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

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

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

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

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Overview for Request: cder_mpl1p_wp083_nsdp_v01

Request ID: cder_mpl1p_wp083

Request Description: In this report, we identified pregnancies ending in live birth delivery in the Sentinel Distributed Database (SDD), and described medical products of interest (MOIs) utilization during pregnancy for select MOIs with pregnancy-related postmarketing requirements, requirement(s) and/or commitment(s), those involved in pregnancy registries, or those investigated in clinical trials with respect to their use during pregnancy.

Sentinel Routine Querying Module: Cohort Identification and Descriptive Analysis (CIDA) module, version 12.1.0, with custom programming.

Data Source: We distributed this query to six Sentinel Data Partners on August 4, 2023. This report contains data from Medicare and Medicaid within the Center for Medicare and Medicaid Services (CMS). The query period included data from January 1, 2008 through January 31, 2023. Please see Appendix A for dates of available data.

Study Design: We identified patients with female sex in the Sentinel Common Data Model demographics table between the ages of 10 and 54 years of age at evidence of a live birth delivery, and assessed use of selected medical products during pregnancy overall and by number of years each medical product had been on the market. This is a Type 4 analysis in the Query Request Package (QRP) documentation.

Cohort Eligibility Criteria: We required members to be enrolled in health plans with medical and drug coverage from the estimated pregnancy start date through the delivery date in order to be included in the cohort; a gap in coverage of up to 45 days was allowed and treated as continuous enrollment. The following age groups were included in the live birth delivery pregnancy cohort: 10-17, 18-24, 25-34, 35-44, and 45-54 years of age.

Pregnancy Episode Creation: We identified pregnancies ending in a live birth using a claims-based algorithm.¹ This algorithm used International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) diagnosis codes indicative of weeks of gestation, and International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and ICD-10-CM diagnosis codes for pre-term and post-term deliveries, to calculate the length of the pregnancy episode.

Qualifying codes had to occur within seven days of a delivery date in the inpatient setting. In absence of pre-/post-term codes, pregnancy duration was set to 273 days. Pregnancies were excluded from the cohort if there was evidence of a pregnancy outcome in the 180 days before the delivery date of interest. Please see Appendix B for a list of ICD-9- and ICD-10-CM diagnosis codes and Current Procedural Terminology, Fourth Edition (CPT-4) procedure codes used to define a live birth delivery, and Appendix B.1 for a list of ICD-9- and ICD-10-CM diagnosis codes used in the gestational age algorithm.

Overview for Request: cder_mpl1p_wp083_nsdv_v01

Medical Products of Interest: We defined the Medical Products of Interest (MOIs) using pharmacy dispensing data (identified with National Drug Codes [NDCs]) and medical procedure data (identified with International Classification of Diseases, Tenth Revision, Procedure Coding System [ICD-10-PCS], Current Procedural Terminology, Fourth Edition [CPT-4], and Healthcare Common Procedure Coding System [HCPCS] codes). We considered a pregnancy exposed to a given MOI if that MP's episode overlapped the period from estimated pregnancy start through the day before delivery.

We also stratified MOI-exposed pregnancies by number of years (defined as the number of 365-day periods) the relevant MOI had been on the market at the time of exposure. For a list of generic/brand names, NDCs, and procedure codes used to define MOIs, please see Appendices C and D.

Baseline Characteristics: We assessed the following demographic characteristics of the mother on the day of delivery: age, sex, race, Hispanic ethnicity, and year of delivery.

We also summarized gestational age based on codes present in the data and classified the pregnancy into terms where pre-term pregnancies delivered at a gestational age less than 259 days, term pregnancies delivered at a gestational age between greater than or equal to 259 days and less than or equal to 280 days, post-term pregnancies delivered at a gestational age more than 280 days, and pregnancies without gestational age codes within 7 days of delivery were classified as having an unknown term.

Finally, we evaluated health service and medication utilization from the estimated pregnancy start date through 90 days of pregnancy.

Please see Appendix E for specifications of the parameters used in this request and Appendix F for a summary of MOIs and classification into drug concepts. Please see Appendix G for a diagram detailing the design of this request.

Limitations: Algorithms and codes to define pregnancy episodes and MOIs are imperfect and may be misclassified. Therefore, data should be interpreted with this limitation in mind.

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

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

Table of Contents

<u>Glossary</u>	Glossary of Terms for Analysis Using Cohort Identification and Descriptive Analysis (CIDA) Module
<u>Table 1</u>	Aggregated Characteristics of Live Birth Deliveries in the Sentinel Distributed Database from January 1, 2008 to January 31, 2023
<u>Table 2</u>	Pregnancy Episodes with Exposures of Interest in the Sentinel Distributed Database from January 1, 2008 to January 31, 2023
<u>Table 3</u>	Summary of Episode Level Cohort Attrition in the Sentinel Distributed Database from January 1, 2008 to January 31, 2023
<u>Figure 1a</u>	Pregnancies Exposed to Ethinyl Estradiol and Drospirenone (Beyaz and equivalents only) by Number of Years After September 24, 2010 Approval Date
<u>Figure 1b</u>	Pregnancies Exposed to Ethinyl Estradiol and Drospirenone-Containing Products (except Yasmin and equivalents) by Number of Years After March 16, 2006 Approval Date
<u>Figure 1c</u>	Pregnancies Exposed to Ethinyl Estradiol and Drospirenone (Yasmin equivalents only) by Number of Years After March 18, 2010 Approval Date
<u>Figure 1d</u>	Pregnancies Exposed to Ethinyl Estradiol and Drospirenone (Yaz and equivalents only) by Number of Years After March 16, 2006 Approval Date
<u>Figure 1e</u>	Pregnancies Exposed to Ethinyl Estradiol and Drospirenone (Yasmin only) by Number of Years After May 11, 2001 Approval Date
<u>Figure 2a</u>	Pregnancies Exposed to Etonogestrel and Ethinyl Estradiol (Nuvaring equivalents only) by Number of Years After December 11, 2019 Approval Date
<u>Figure 2b</u>	Pregnancies Exposed to Etonogestrel and Ethinyl Estradiol (Nuvaring only) by Number of Years After October 3, 2001 Approval Date
<u>Figure 3</u>	Pregnancies Exposed to Adalimumab (Humira only)* by Number of Years After December 31, 2002 Approval Date
<u>Figure 4</u>	Pregnancies Exposed to Amitriptyline-Containing Products by Number of Years After June 2, 1961 Approval Date
<u>Figure 5</u>	Pregnancies Exposed to Amphetamine-Containing Products by Number of Years After February 13, 1996 Approval Date
<u>Figure 6</u>	Pregnancies Exposed to Apremilast (Otezla only)* by Number of Years After March 21, 2014 Approval Date
<u>Figure 7a</u>	Pregnancies Exposed to Aripiprazole (Abilify Maintena and equivalents only) by Number of Years After September 20, 2006 Approval Date
<u>Figure 7b</u>	Pregnancies Exposed to Aripiprazole (Abilify and equivalents only) by Number of Years After November 15, 2002 Approval Date
<u>Figure 7c</u>	Pregnancies Exposed to Aripiprazole Lauroxil (Aristada Initio and equivalents only) by Number of Years After June 29, 2018 Approval Date
<u>Figure 7d</u>	Pregnancies Exposed to Aripiprazole Lauroxil (Aristada and equivalents only) by Number of Years After October 5, 2015 Approval Date
<u>Figure 7e</u>	Pregnancies Exposed to Aripiprazole-Containing Products by Number of Years After November 15, 2002 Approval Date
<u>Figure 8a</u>	Pregnancies Exposed to Armodafinil (Nuvigil equivalents only) by Number of Years After June 1, 2012 Approval Date
<u>Figure 8b</u>	Pregnancies Exposed to Armodafinil (Nuvigil only) by Number of Years After June 15, 2007 Approval Date

Table of Contents

- Figure 9** Pregnancies Exposed to Bupropion-Containing Products by Number of Years After December 30, 1985 Approval Date
- Figure 10** Pregnancies Exposed to Certolizumab Pegol (Cimzia only)* by Number of Years After April 22, 2008 Approval Date
- Figure 11** Pregnancies Exposed to Citalopram-Containing Products by Number of Years After July 17, 1998 Approval Date
- Figure 12a** Pregnancies Exposed to Cyclosporine-Containing Products (except Neoral and equivalents) by Number of Years After September 30, 1990 Approval Date
- Figure 12b** Pregnancies Exposed to Cyclosporine (Neoral equivalents only) by Number of Years After January 13, 2000 Approval Date
- Figure 12c** Pregnancies Exposed to Cyclosporine (Neoral only) by Number of Years After July 13, 1995 Approval Date
- Figure 13a** Pregnancies Exposed to Desvenlafaxine-Containing Products by Number of Years After February 29, 2008 Approval Date
- Figure 13b** Pregnancies Exposed to Desvenlafaxine Fumarate (Khedezla and equivalents only) by Number of Years After July 10, 2013 Approval Date
- Figure 13c** Pregnancies Exposed to Desvenlafaxine Succinate (Pristiq and equivalents only) by Number of Years After February 29, 2008 Approval Date
- Figure 14** Pregnancies Exposed to Dextroamphetamine-Containing Products by Number of Years After September 30, 1990 Approval Date
- Figure 15a** Pregnancies Exposed to Doxylamine and Pyridoxine (Diclegis equivalents only) by Number of Years After August 19, 2016 Approval Date
- Figure 15b** Pregnancies Exposed to Doxylamine and Pyridoxine-Containing Products (Bonjesta only) by Number of Years After November 7, 2016 Approval Date
- Figure 15c** Pregnancies Exposed to Doxylamine and Pyridoxine (Diclegis only) by Number of Years After April 8, 2013 Approval Date
- Figure 16a** Pregnancies Exposed to Duloxetine (Cymbalta equivalents only) by Number of Years After December 11, 2013 Approval Date
- Figure 16b** Pregnancies Exposed to Duloxetine (Cymbalta only) by Number of Years After August 3, 2004 Approval Date
- Figure 16c** Pregnancies Exposed to Duloxetine (except Cymbalta and equivalents) by Number of Years After July 19, 2019 Approval Date
- Figure 17** Pregnancies Exposed to Dupilumab (Dupixent only)* by Number of Years After March 28, 2017 Approval Date
- Figure 18a** Pregnancies Exposed to Emtricitabine and Tenofovir Disoproxil Fumarate-Containing Products (except Truvada and equivalents) by Number of Years After July 12, 2006 Approval Date
- Figure 18b** Pregnancies Exposed to Emtricitabine and Tenofovir Disoproxil Fumarate (Truvada equivalents only) by Number of Years After June 8, 2017 Approval Date
- Figure 18c** Pregnancies Exposed to Emtricitabine and Tenofovir Disoproxil Fumarate (Truvada only) by Number of Years After August 2, 2004 Approval Date
- Figure 19** Pregnancies Exposed to Erenumab-Aooe (Aimovig only)* by Number of Years After May 17, 2018 Approval Date

Table of Contents

Figure 20 Pregnancies Exposed to Escitalopram-Containing Products by Number of Years After August 16, 2002 Approval Date

Figure 21 Pregnancies Exposed to Fluoxetine-Containing Products by Number of Years After December 29, 1987 Approval Date

Figure 22a Pregnancies Exposed to Hydroxyprogesterone Caproate (Makena equivalents only) by Number of Years After August 24, 2015 Approval Date

Figure 22b Pregnancies Exposed to Hydroxyprogesterone Caproate (Makena only) by Number of Years After February 3, 2011 Approval Date

Figure 23 Pregnancies Exposed to Insulin NPH-Containing Products by Number of Years After September 30, 1990 Approval Date

Figure 24 Pregnancies Exposed to Insulin Aspart-Containing Products by Number of Years After June 7, 2000 Approval Date

Figure 25 Pregnancies Exposed to Insulin Detemir-Containing Products by Number of Years After June 16, 2005 Approval Date

Figure 26 Pregnancies Exposed to Lamotrigine-Containing Products by Number of Years After December 27, 1994 Approval Date

Figure 27 Pregnancies Exposed to Levetiracetam-Containing Products by Number of Years After November 30, 1999 Approval Date

Figure 28a Pregnancies Exposed to Levonorgestrel-Containing Intrauterine Device Products (except Liletta and Mirena) by Number of Years After January 9, 2013 Approval Date

Figure 28b Pregnancies Exposed to Levonorgestrel Intrauterine Device (Liletta only) by Number of Years After February 26, 2015 Approval Date

Figure 28c Pregnancies Exposed to Levonorgestrel Intrauterine Device (Mirena only) by Number of Years After December 2, 2000 Approval Date

Figure 29 Pregnancies Exposed to Lisdexamphetamine-Containing Products by Number of Years After February 23, 2007 Approval Date

Figure 30 Pregnancies Exposed to Lurasidone-Containing Products by Number of Years After October 28, 2010 Approval Date

Figure 31 Pregnancies Exposed to Methylphenidate-Containing Products by Number of Years After December 5, 1955 Approval Date

Figure 32 Pregnancies Exposed to Milnacipran (Savella only)* by Number of Years After January 14, 2009 Approval Date

Figure 33 Pregnancies Exposed to Mirtazapine-Containing Products by Number of Years After June 14, 1996 Approval Date

Figure 34a Pregnancies Exposed to Modafinil (Provigil equivalents only) by Number of Years After September 27, 2012 Approval Date

Figure 34b Pregnancies Exposed to Modafinil (Provigil only) by Number of Years After December 24, 1998 Approval Date

Figure 35a Pregnancies Exposed to Nicotine Nasal Spray Device (Nicotrol NS only)* by Number of Years After June 30, 1995 Approval Date

Figure 35b Pregnancies Exposed to Nicotine Transdermal Device (Nicoderm CQ only) by Number of Years After September 3, 1996 Approval Date

Figure 35c Pregnancies Exposed to Nicotine Transdermal Device (except Nicoderm CQ) by Number of Years After October 20, 1997 Approval Date

Table of Contents

Figure 36 Pregnancies Exposed to Non-Transdermal Nicotine Products by Number of Years After August 24, 1999 Approval Date

Figure 37 Pregnancies Exposed to Nortriptyline-Containing Products by Number of Years After August 1, 1977 Approval Date

Figure 38 Pregnancies Exposed to Olanzapine-Containing Products by Number of Years After December 24, 2003 Approval Date

Figure 39 Pregnancies Exposed to Omalizumab (Xolair only)* by Number of Years After June 20, 2003 Approval Date

Figure 40 Pregnancies Exposed to Paroxetine-Containing Products by Number of Years After December 29, 1992 Approval Date

Figure 41 Pregnancies Exposed to Peginterferon beta 1a (Plegridy only)* by Number of Years After August 15, 2014 Approval Date

Figure 42 Pregnancies Exposed to Pregabalin-Containing Products by Number of Years After December 30, 2004 Approval Date

Figure 43 Pregnancies Exposed to Quetiapine-Containing Products by Number of Years After September 29, 1997 Approval Date

Figure 44 Pregnancies Exposed to Remdesivir (Veklury only)* by Number of Years After October 22, 2020 Approval Date

Figure 45 Pregnancies Exposed to Risperidone-Containing Products by Number of Years After December 29, 1993 Approval Date

Figure 46a Pregnancies Exposed to Semaglutide (Wegovy only) by Number of Years After June 4, 2021 Approval Date

Figure 46b Pregnancies Exposed to Semaglutide (Ozempic only) by Number of Years After December 5, 2017 Approval Date

Figure 46c Pregnancies Exposed to Semaglutide (except Wegovy and Ozempic) by Number of Years After September 20, 2019 Approval Date

Figure 47 Pregnancies Exposed to Sertraline-Containing Products by Number of Years After December 30, 1991 Approval Date

Figure 48 Pregnancies Exposed to Sitagliptin-Containing Products by Number of Years After October 16, 2006 Approval Date

Figure 49 Pregnancies Exposed to Sumatriptan-Containing Products by Number of Years After December 28, 1992 Approval Date

Figure 50 Pregnancies Exposed to Trazodone-Containing Products by Number of Years After September 30, 1990 Approval Date

Figure 51 Pregnancies Exposed to Ulipristal (Ella only)* by Number of Years After August 13, 2010 Approval Date

Figure 52 Pregnancies Exposed to Ustekinumab (Stelara only)* by Number of Years After September 25, 2009 Approval Date

Figure 53a Pregnancies Exposed to Varenicline (Chantix equivalents only) by Number of Years After August 11, 2021 Approval Date

Figure 53b Pregnancies Exposed to Varenicline-Containing Products (except Chantix and equivalents) by Number of Years After October 15, 2021 Approval Date

Figure 53c Pregnancies Exposed to Varenicline (Chantix only) by Number of Years After May 10, 2006 Approval Date

Table of Contents

Figure 54 Pregnancies Exposed to Venlafaxine-Containing Products by Number of Years After December 28, 1993 Approval Date

Figure 55 Pregnancies Exposed to Zolpidem-Containing Products by Number of Years After December 16, 1992 Approval Date

Appendix A Dates of Available Data for Each Data Partner (DP) as of Request Distribution Date (August 4, 2023)

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

Appendix B.1 List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) codes used to Define Gestational Age

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

Appendix D List of Healthcare Common Procedure Coding System, Level II (HCPCS) and National Drug Code (NDC) Codes Used to Define Exposures in this Request

Appendix E Specifications for Request cder_mpl1p_wp083_nsdv01

Appendix F Drug Concepts and Medical Product of Interest for Request cder_mpl1p_wp083_nsdv01

Appendix G Design Diagrams for Request cder_mpl1p_wp083_nsdv01

*The medical product of interest in this figure has a pregnancy-related PMR or PMC and is the only product in its drug concept available on the market. A drug concept is defined as the ingredients contained in the medical product of interest as identified by FDA. A single drug concept may include one or more medical products of interest.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

*all terms may not be used in this report

Table 1. Aggregated Characteristics of Live Birth Deliveries in the Sentinel Distributed Database from January 1, 2008 to January 31, 2023¹

Live Birth Deliveries Pregnancy Cohort		
Mother Characteristics ²		Percent/ Standard Deviation ³
Unique patients	6,165,744	N/A
Episodes	7,299,350	100.0%
Demographic Characteristics		
Age (years)	29.4	5.7
Age		
10-17 years	145,976	2.0%
18-24 years	1,679,861	23.0%
25-34 years	4,126,201	56.5%
35-44 years	1,309,303	17.9%
45-54 years	38,009	0.5%
Sex		
Female	6,165,744	100.0%
Race ⁴		
American Indian or Alaska Native	63,493	1.0%
Asian	117,272	1.9%
Black or African American	663,793	10.8%
Multi-racial	29,971	0.5%
Native Hawaiian or Other Pacific Islander	19,245	0.3%
Unknown	4,016,180	65.1%
White	1,255,790	20.4%
Hispanic origin		
Yes	643,992	10.4%
No	1,932,422	31.3%
Unknown	3,589,330	58.2%
Year		
2008	163,461	2.2%
2009	296,508	4.1%
2010	276,022	3.8%
2011	270,102	3.7%
2012	261,529	3.6%
2013	269,522	3.7%
2014	330,700	4.5%
2015	489,817	6.7%
2016	693,571	9.5%
2017	947,142	13.0%
2018	944,648	12.9%
2019	935,360	12.8%
2020	936,735	12.8%
2021	277,739	3.8%
2022	206,142	2.8%
2023	352	0.0%

Table 1. Aggregated Characteristics of Live Birth Deliveries in the Sentinel Distributed Database from January 1, 2008 to January 31, 2023¹

Live Birth Deliveries Pregnancy Cohort		
Mother Characteristics ²	Percent/ Standard Deviation ³	
Pregnancy Characteristics		
Pre-Term (0-258 days)	677,823	9.3%
Term (259-280 days)	2,849,640	39.0%
Post-Term (281-301 days)	1,291,681	17.7%
Unknown Term	2,480,206	34.0%
Gestational age ⁵ at delivery	39.5	2.2
Health Service Utilization Intensity Metrics		
Mean number of ambulatory encounters	3.9	4.1
Mean number of emergency room encounters	0.3	0.8
Mean number of inpatient hospital encounters	0.0	0.1
Mean number of non-acute institutional encounters	0.0	0.0
Mean number of other ambulatory encounters	1.4	3.0
Mean number of filled prescriptions	2.2	3.3
Mean number of generics dispensed	1.6	2.1
Mean number of unique drug classes dispensed	1.6	2.0

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

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

³Value represents standard deviation where no % follows the value.

⁴Race data may not be completely populated at all Data Partners; therefore, data about race may be incomplete.

⁵Gestational age estimated using a claims-based algorithm, previously validated in the Medication Exposure in Pregnancy Risk Evaluation Program (MEPREP), to identify pregnancies ending in a live birth. ICD-10-CM diagnosis codes indicative of weeks of gestation, and ICD-9-CM and ICD-10-CM diagnosis codes for pre-term and post-term deliveries, were used to calculate the length of the pregnancy episode. Codes had to occur within 7 days of a delivery date in the inpatient setting. In absence of pre-/post-term codes, pregnancy duration was set to 273 days.

Table 2. Pregnancy Episodes with Exposures of Interest in the Sentinel Distributed Database from January 1, 2008 to January 31, 2023¹

Exposures of Interest ²	Use During Any Trimester	
		Percent
Live Birth Delivery Episodes (N = 7,299,350)		
<i>Approved Prior to 2008</i>		
aripiprazole (Abilify Maintena and equivalents only)	1,387	0.0%
aripiprazole (Abilify and equivalents only)	26,323	0.4%
amitriptyline-containing products	24,439	0.3%
amphetamine-containing products	79,035	1.1%
bupropion-containing products	97,236	1.3%
citalopram-containing products	50,394	0.7%
cyclosporine-containing products (except Neoral and equivalents)	4,111	0.1%
cyclosporine (Neoral equivalents only)	228	0.0%
dextroamphetamine-containing products	80,052	1.1%
emtricitabine and tenofovir disoproxil fumarate-containing products (except Truvada and equivalents)	1,649	0.0%
escitalopram-containing products	106,611	1.5%
ethinyl estradiol and drospirenone-containing products (except Yasmin and equivalents)	18,183	0.2%
fluoxetine-containing products	105,112	1.4%
adalimumab (Humira only)*	4,987	0.1%
insulin aspart-containing products	36,591	0.5%
insulin detemir-containing products	27,181	0.4%
insulin NPH-containing products	105,424	1.4%
lamotrigine-containing products	45,943	0.6%
levetiracetam-containing products	22,292	0.3%
lisdexamfetamine-containing products	21,529	0.3%
methylphenidate-containing products	12,728	0.2%
levonorgestrel intrauterine device (Mirena only)	8,382	0.1%
mirtazapine-containing products	14,486	0.2%
non-transdermal nicotine products	10,238	0.1%
nortriptyline-containing products	7,203	0.1%
olanzapine-containing products	9,519	0.1%
aripiprazole-containing products	27,390	0.4%
pregabalin-containing products	6,791	0.1%
quetiapine-containing products	38,899	0.5%
risperidone-containing products	9,873	0.1%
sertraline-containing products	294,049	4.0%
sumatriptan-containing products	46,761	0.6%
trazodone-containing products	56,283	0.8%
venlafaxine-containing products	39,597	0.5%
ethinyl estradiol and drospirenone (Yaz and equivalents only)	12,766	0.2%
zolpidem-containing products	84,850	1.2%
paroxetine-containing products	19,935	0.3%
cyclosporine (Neoral only)	32	0.0%

Table 2. Pregnancy Episodes with Exposures of Interest in the Sentinel Distributed Database from January 1, 2008 to January 31, 2023¹

Exposures of Interest ²	Use During Any Trimester	
		Percent
Live Birth Delivery Episodes (N = 7,299,350)		
duloxetine (Cymbalta only)	7,295	0.1%
emtricitabine and tenofovir disoproxil fumarate (Truvada only)	4,784	0.1%
ethinyl estradiol and drospirenone (Yasmin only)	3,201	0.0%
etonogestrel and ethinyl estradiol (Nuvaring only)	34,832	0.5%
nicotine nasal spray device (Nicotrol NS only)*	69	0.0%
nicotine transdermal device (Nicoderm CQ only)	572	0.0%
nicotine transdermal device (except Nicoderm CQ)	29,578	0.4%
varenicline (Chantix only)	6,326	0.1%
sitagliptin-containing products	2,809	0.0%
armodafinil (Nuvigil equivalents only)	308	0.0%
armodafinil (Nuvigil only)	534	0.0%
modafinil (Provigil equivalents only)	880	0.0%
modafinil (Provigil only)	489	0.0%
omalizumab (Xolair only)*	556	0.0%
<i>Aproved in 2008</i>		
desvenlafaxine-containing products	6,318	0.1%
desvenlafaxine succinate (Pristiq and equivalents only)	6,318	0.1%
certolizumab pegol (Cimzia only)*	1,720	0.0%
<i>Aproved in 2009</i>		
milnacipran (Savella only)*	560	0.0%
ustekinumab (Stelara only)*	818	0.0%
<i>Aproved in 2010</i>		
ethinyl estradiol and drospirenone (Beyaz and equivalents only)	1,493	0.0%
lurasidone-containing products	15,754	0.2%
ethinyl estradiol and drospirenone (Yasmin equivalents only)	10,452	0.1%
ulipristal (Ella only)*	1,008	0.0%
<i>Aproved in 2011</i>		
hydroxyprogesterone caproate (Makena only)	53,458	0.7%
<i>Aproved in 2013</i>		
doxylamine and pyridoxine (Diclegis equivalents only)	27,155	0.4%
duloxetine (Cymbalta equivalents only)	23,047	0.3%
desvenlafaxine fumarate (Khedezla and equivalents only)	0	0.0%
levonorgestrel-containing intrauterine device products (except Liletta and Mirena)	777	0.0%
doxylamine and pyridoxine (Diclegis only)	170,705	2.3%
<i>Aproved in 2014</i>		
apremilast (Otezla only)*	247	0.0%
peginterferon beta 1a (Plegridy only)*	38	0.0%
<i>Aproved in 2015</i>		
aripiprazole lauroxil (Aristada and equivalents only)	339	0.0%
levonorgestrel intrauterine device (Liletta only)	1,353	0.0%

Table 2. Pregnancy Episodes with Exposures of Interest in the Sentinel Distributed Database from January 1, 2008 to January 31, 2023¹

Exposures of Interest ²	Use During Any Trimester	
		Percent
Live Birth Delivery Episodes (N = 7,299,350)		
hydroxyprogesterone caproate (Makena equivalents only)	48,313	0.7%
<i>Approved in 2016</i>		
doxylamine and pyridoxine-containing products (Bonjesta only)	12,725	0.2%
<i>Approved in 2017</i>		
emtricitabine and tenofovir disoproxil fumarate (Truvada equivalents only)	162	0.0%
semaglutide (Ozempic only)	678	0.0%
dupilumab (Dupixent only)*	457	0.0%
<i>Approved in 2018</i>		
aripiprazole lauroxil (Aristada Initio and equivalents only)	18	0.0%
erenumab-aooe (Aimovig only)*	623	0.0%
<i>Approved in 2019</i>		
etonogestrel and ethinyl estradiol (Nuvaring equivalents only)	6,865	0.1%
semaglutide (except Wegovy and Ozempic)	67	0.0%
duloxetine (except Cymbalta and equivalents)	0	0.0%
<i>Approved in 2020</i>		
remdesivir (Veklury only)*	0	0.0%
<i>Approved in 2021</i>		
varenicline (Chantix equivalents only)	21	0.0%
varenicline-containing products (except Chantix and equivalents)	*****	*****
semaglutide (Wegovy only)	37	0.0%

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

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

* The medical product of interest in this figure has a pregnancy-related PMR or PMC and is the only product in its drug concept available on the market. A drug concept is defined as the ingredients contained in the medical product of interest as identified by FDA. A single drug concept may include one or more medical products of interest.

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

Table 3. Summary of Episode-Level¹ Cohort Attrition in the Sentinel Distributed Database from January 1, 2008 to January 31, 2023²

	Live Birth Deliveries	
		Excluded
Members meeting enrollment and demographic requirements		
Enrolled at any point during the query period	463,851,545	N/A
Had required coverage type (medical and/or drug coverage)	339,036,994	124,814,551
Enrolled during specified age range	248,672,438	90,364,556
Had requestable medical charts	248,672,438	0
Met demographic requirements (sex, race, and Hispanic origin)	128,042,946	120,629,492
Members with a valid index event		
Had a live birth delivery claim during the query period	11,643,682	116,399,264
Live birth deliveries with a valid index date		
Total number of live birth deliveries during the query period	22,315,880	N/A
Live birth delivery recorded during specified age range	21,489,513	826,367
Pregnancy episode recorded during the query period	13,454,888	8,034,625
Had sufficient pre-delivery continuous enrollment	7,299,350	6,155,538
Met inclusion and exclusion criteria	7,299,350	0
Pregnancy episodes with required post-index follow-up		
Had sufficient post-index continuous enrollment	7,299,350	0
Final cohort		
Number of members	6,165,744	N/A
Number of pregnancy episodes	7,299,350	N/A
Number of non-pregnant matched comparator episodes	0	N/A

¹Cohorts are formed by first evaluating enrollment and demographic requirements as well as index events among members, then evaluating index dates, pre-index history, and post-index follow-up among pregnancy episodes. Because of this, the number remaining often increases from the member- to episode-level steps.

²Pregnancy is defined as a pregnancy that resulted in a live birth delivery identified using the method specified in the overview section of this report.

Figure 1a. Pregnancies Exposed to Ethinyl Estradiol and Drospirenone (Beyaz and Equivalents only) by Number of Years After September 24, 2010 Approval Date

Figure 1a not generated due to CMS small cell suppression policies.

Figure 1b. Pregnancies Exposed to Ethinyl Estradiol and Drospirenone-Containing Products (except Yasmin and Equivalents) by Number of Years After March 16, 2006 Approval Date

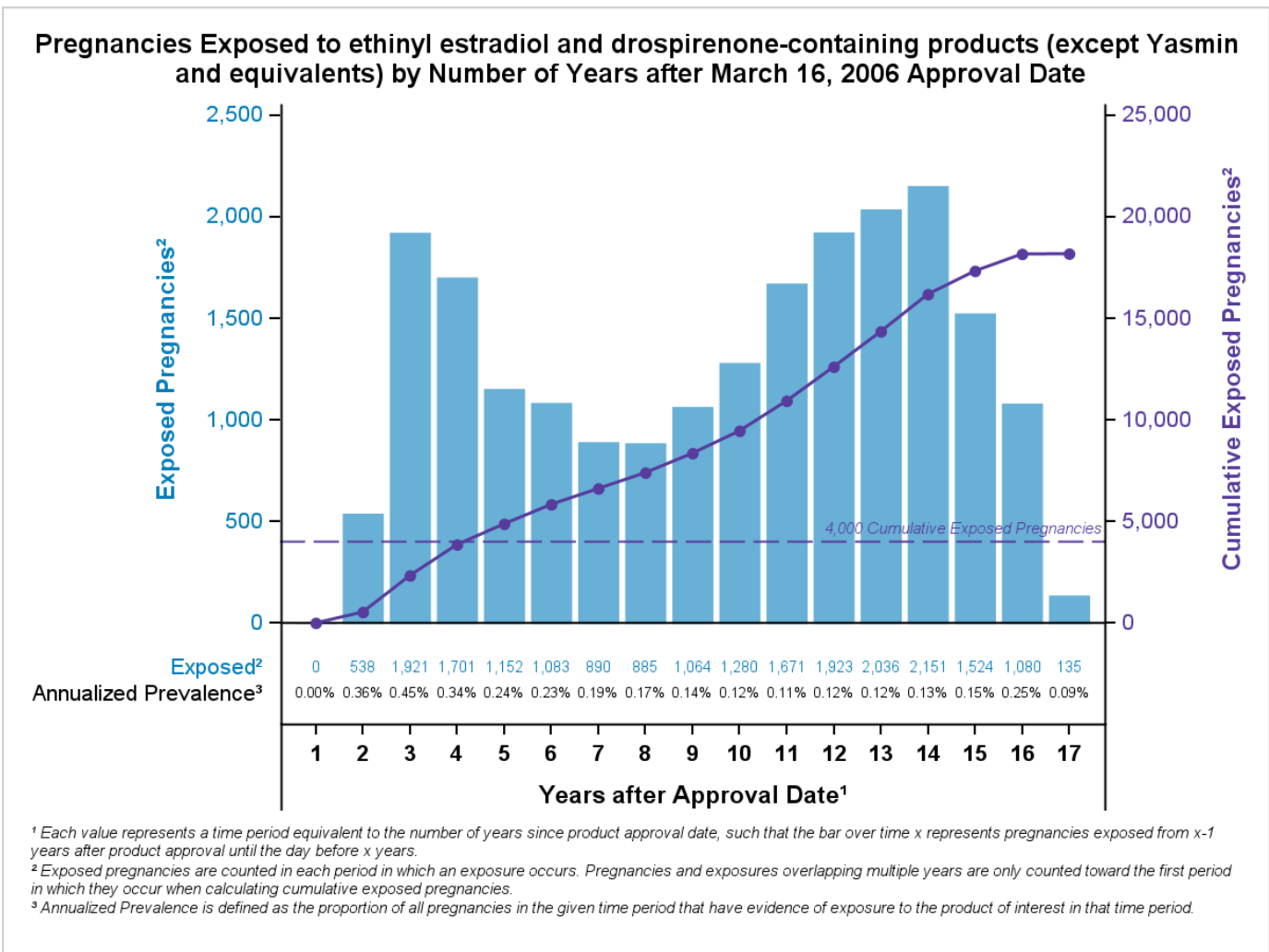


Figure 1c. Pregnancies Exposed to ethinyl estradiol and drospirenone (Yasmin equivalents only) by Number of Years after March 18, 2010 Approval Date

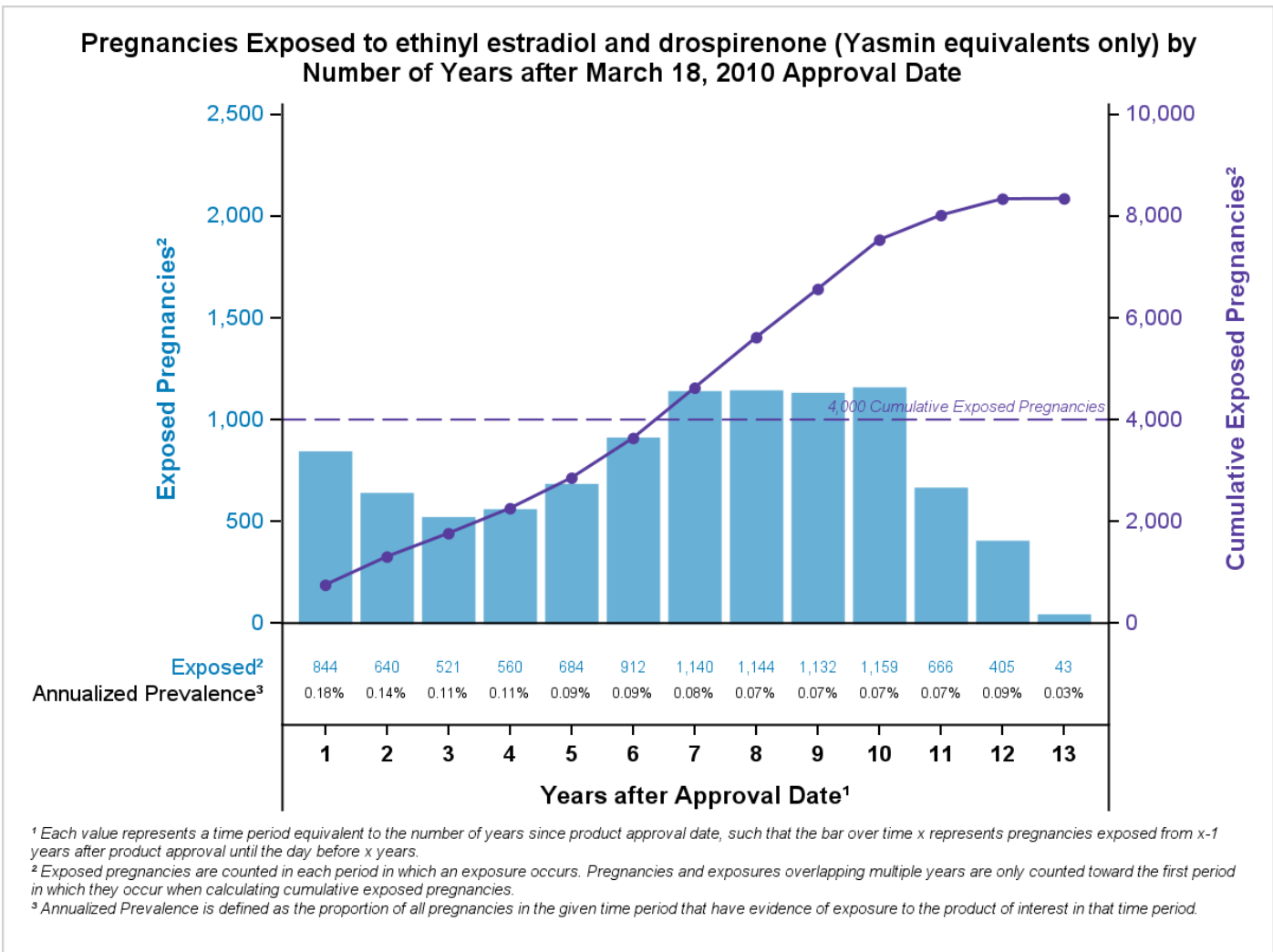


Figure 1d. Pregnancies Exposed to ethinyl estradiol and drospirenone (Yaz and equivalents only) by Number of Years after March 16, 2006 Approval Date

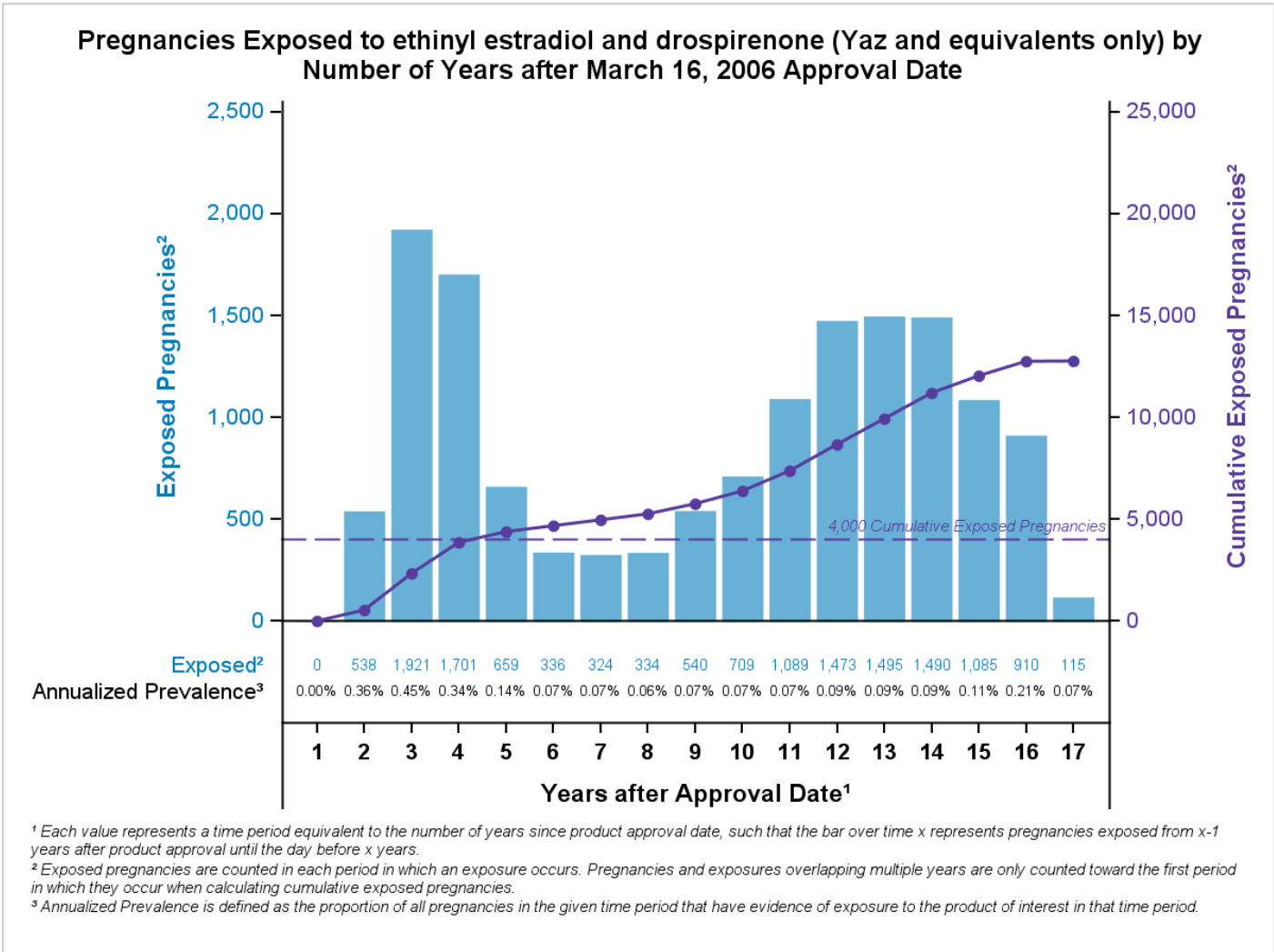


Figure 1e. Pregnancies Exposed to ethinyl estradiol and drospirenone (Yasmin only) by Number of Years after May 11, 2001 App
 Figure 1e not generated due to CMS small cell suppression policies.

Figure 2a. Pregnancies Exposed to Etonogestrel and Ethinyl Estradiol (Nuvaring equivalents only) by Number of Years After December 11, 2019 Approval Date

Figure 2a not generated due to CMS small cell suppression policies.

Figure 2b. Pregnancies Exposed to Etonogestrel and Ethinyl Estradiol (Nuvaring only) by Number of Years After October 3, 2001 Approval Date

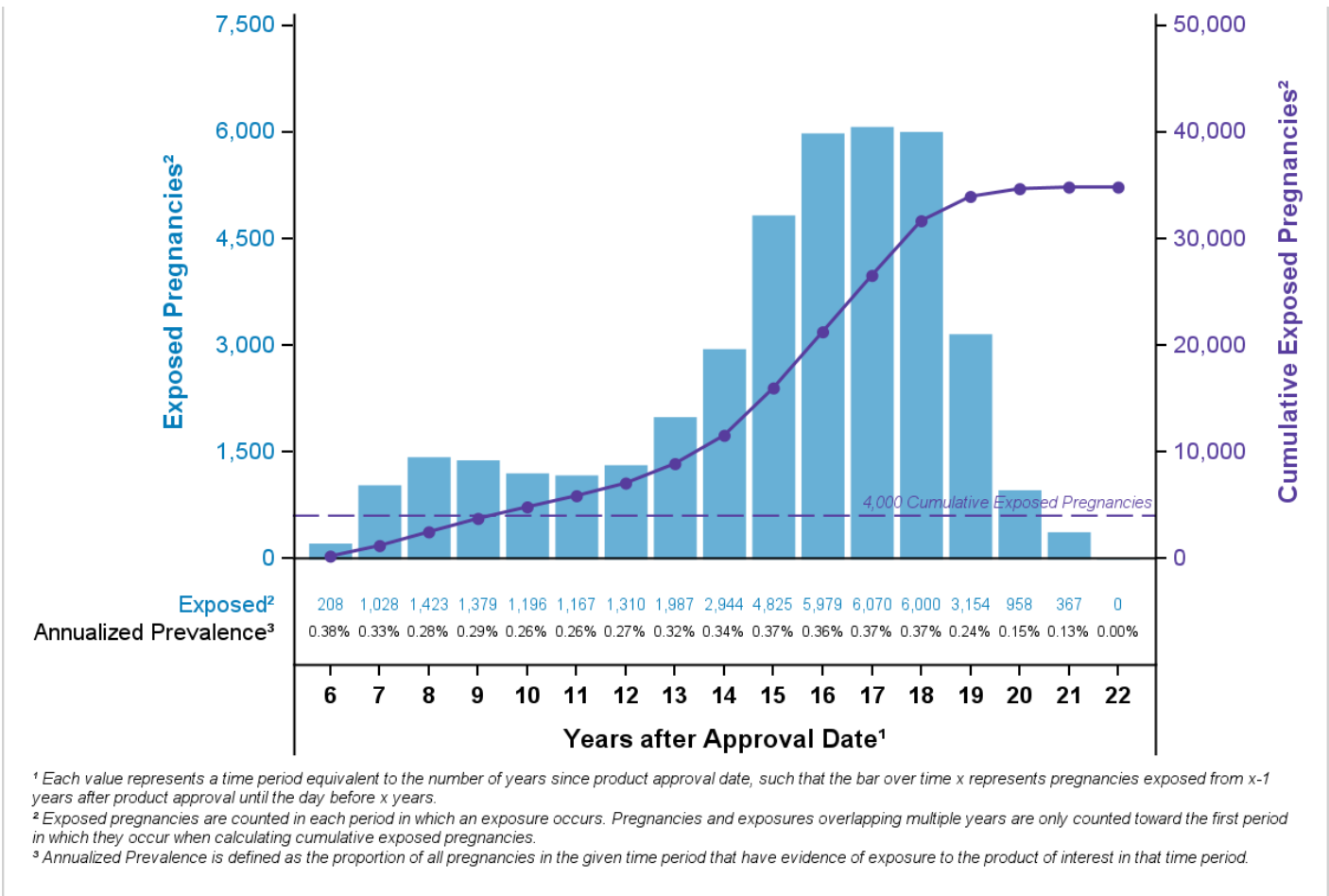


Figure 3. Pregnancies Exposed to Adalimumab (Humira only)* by Number of Years After December 31, 2002 Approval Date

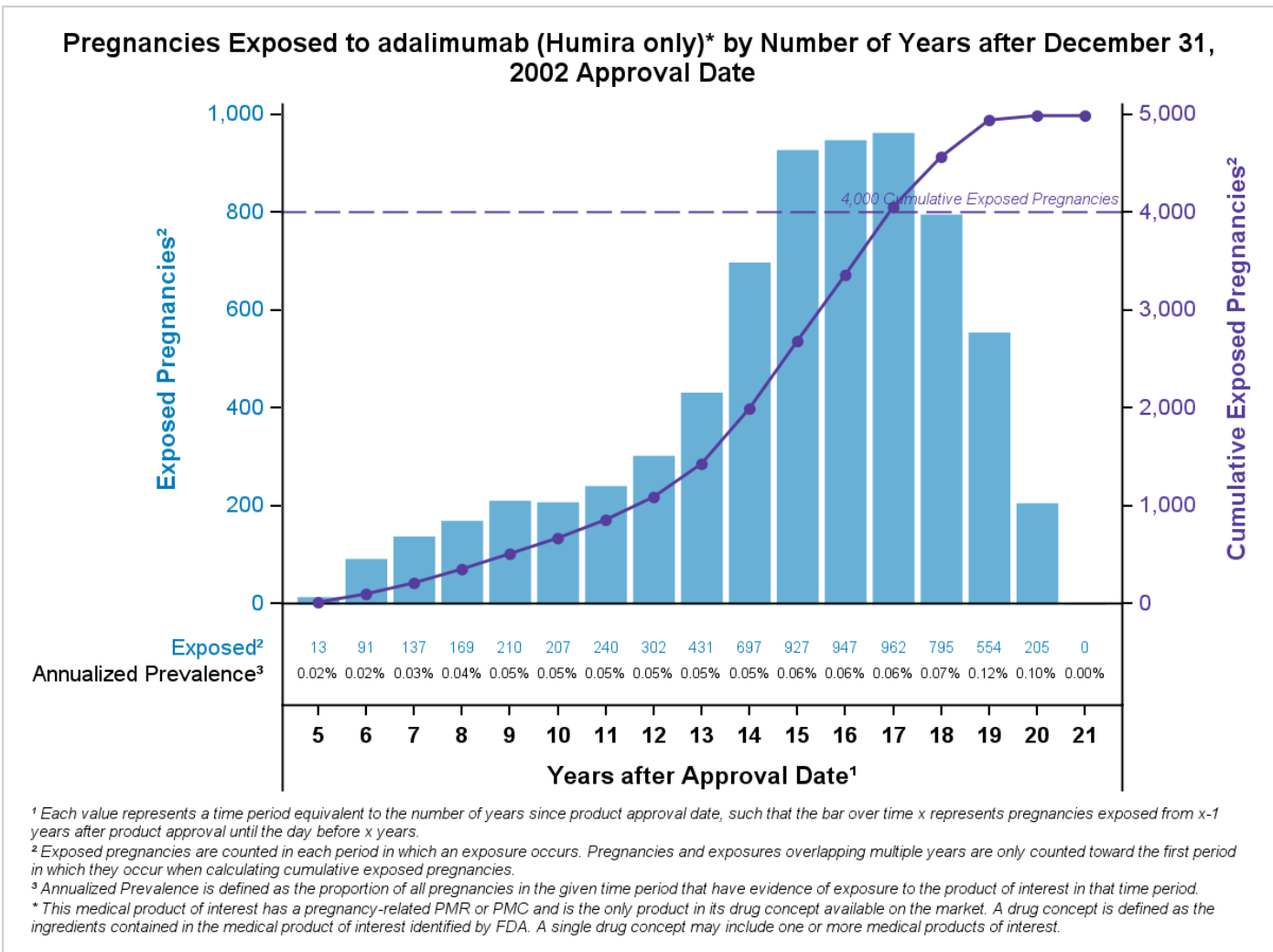


Figure 4. Pregnancies Exposed to Amitriptyline-Containing Products by Number of Years After June 2, 1961 Approval Date

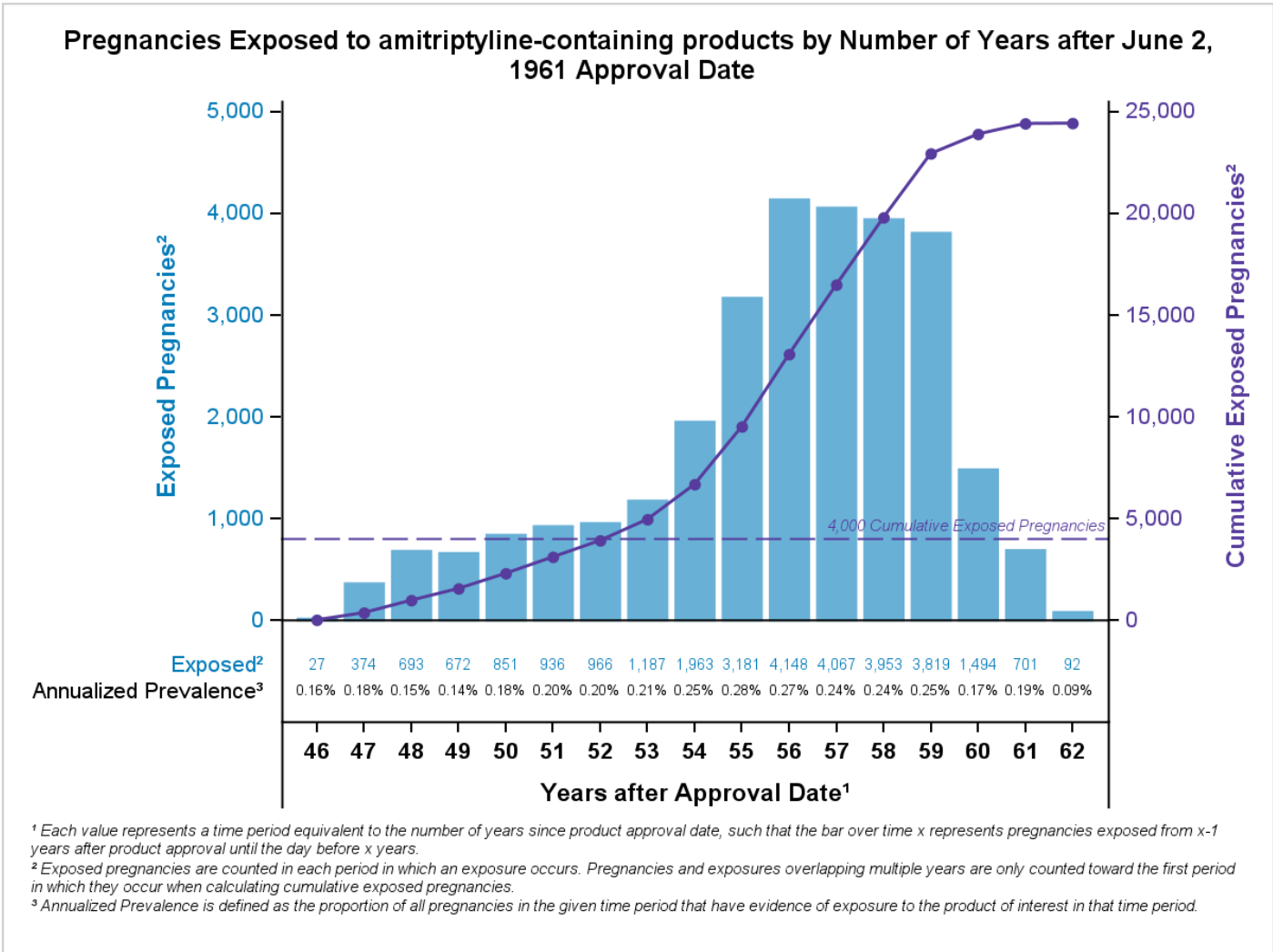


Figure 5. Pregnancies Exposed to Amphetamine-Containing Products by Number of Years After February 13, 1996 Approval Date

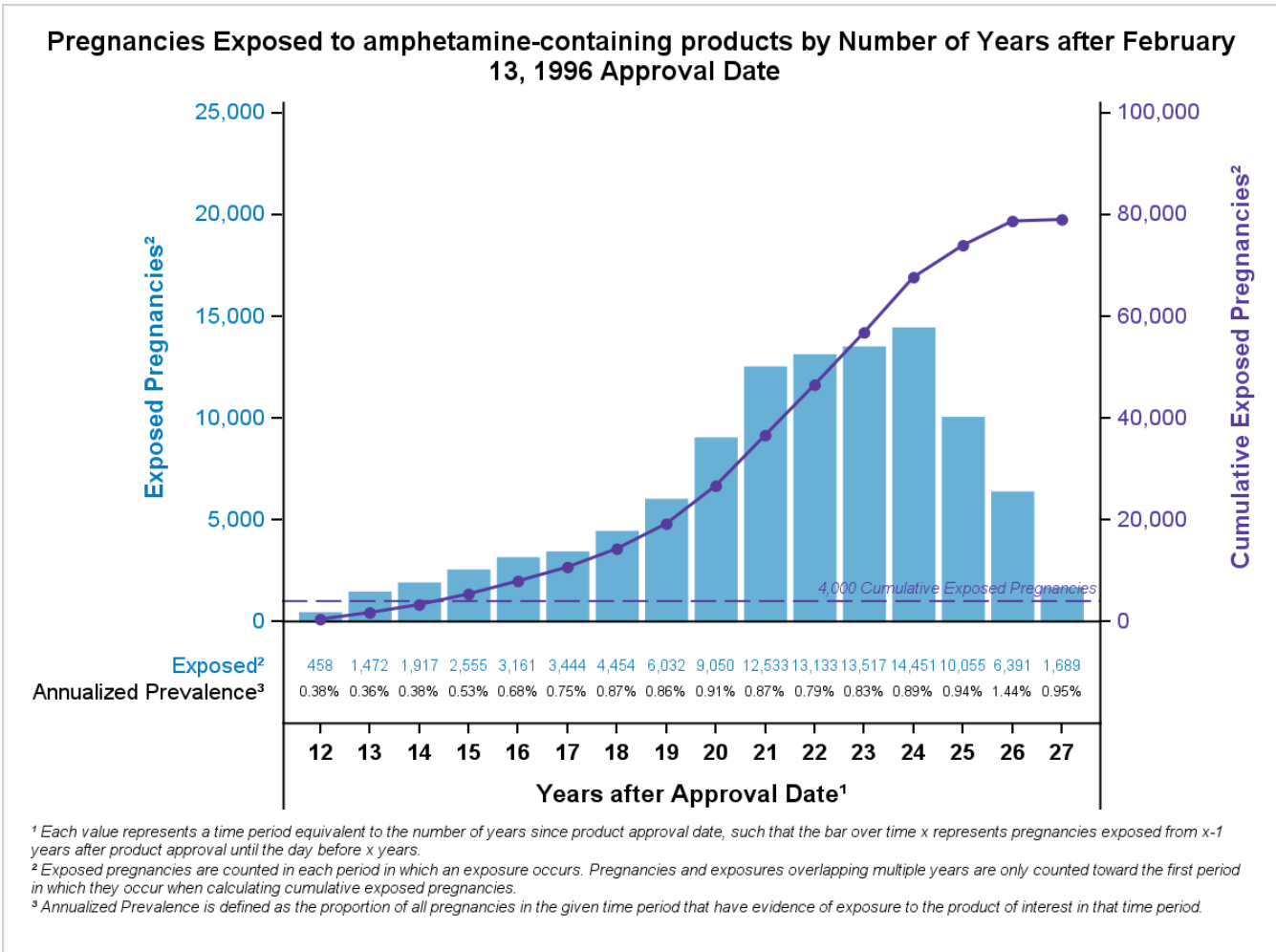


Figure 6. Pregnancies Exposed to Apremilast (Otezla only)* by Number of Years After March 21, 2014 Approval Date

Figure 6 not generated due to CMS small cell suppression policies.

Figure 7a. Pregnancies Exposed to Aripiprazole (Abilify Maintena and equivalents only) by Number of Years After September 20, 2006 Approval Date

Figure 7a not generated due to CMS small cell suppression policies.

Figure 7b. Pregnancies Exposed to Aripiprazole (Abilify and equivalents only) by Number of Years After November 15, 2002 Approval Date

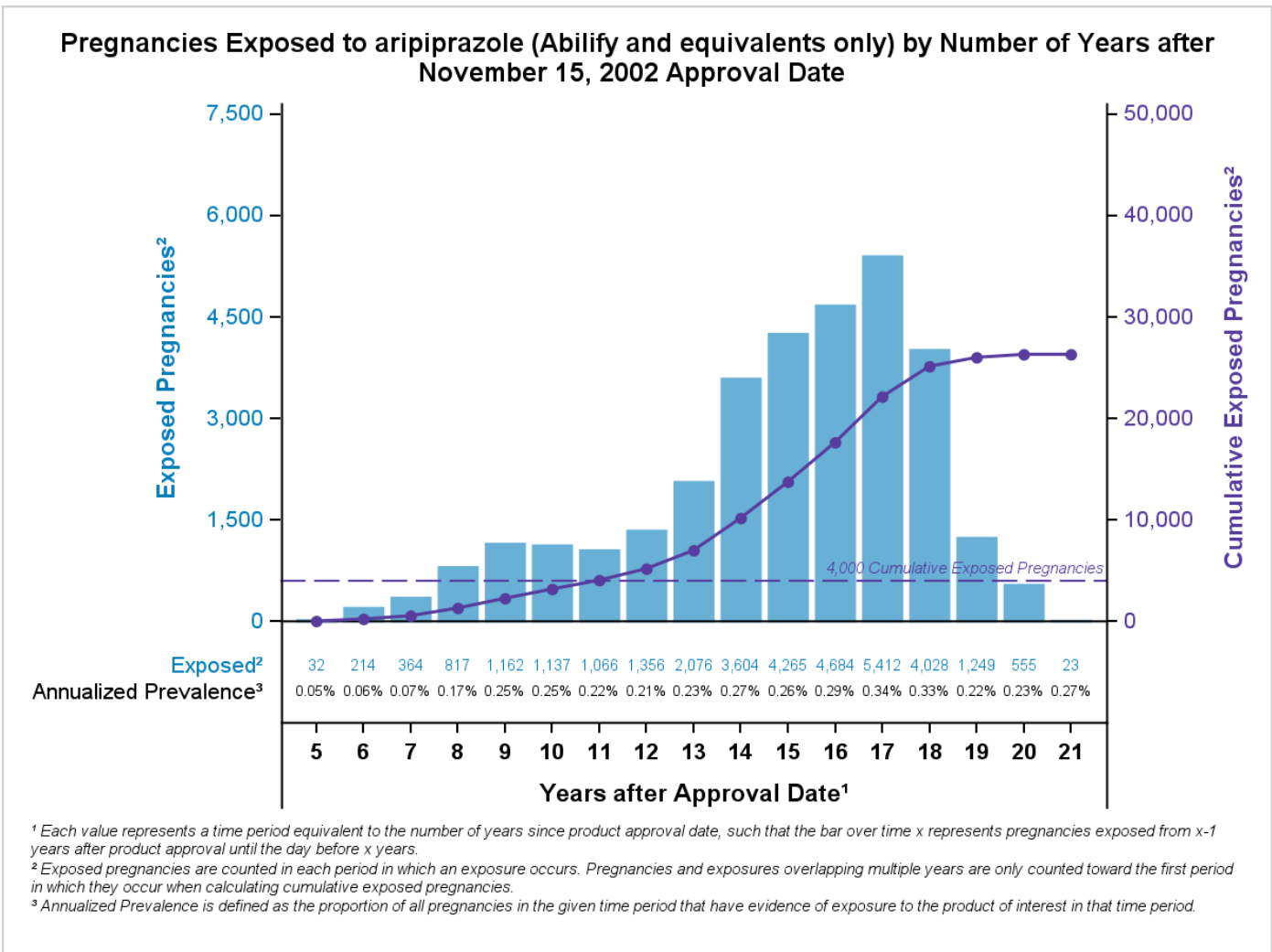


Figure 7c. Pregnancies Exposed to aripiprazole lauroxil (Aristada Initio and equivalents only) by Number of Years After June 29, 2018 Approval Date

Figure 7c not generated due to CMS small cell suppression policies.

Figure 7d. Pregnancies Exposed to Aripiprazole Lauroxil (Aristada and equivalents only) by Number of Years After October 5, 2015 Approval Date

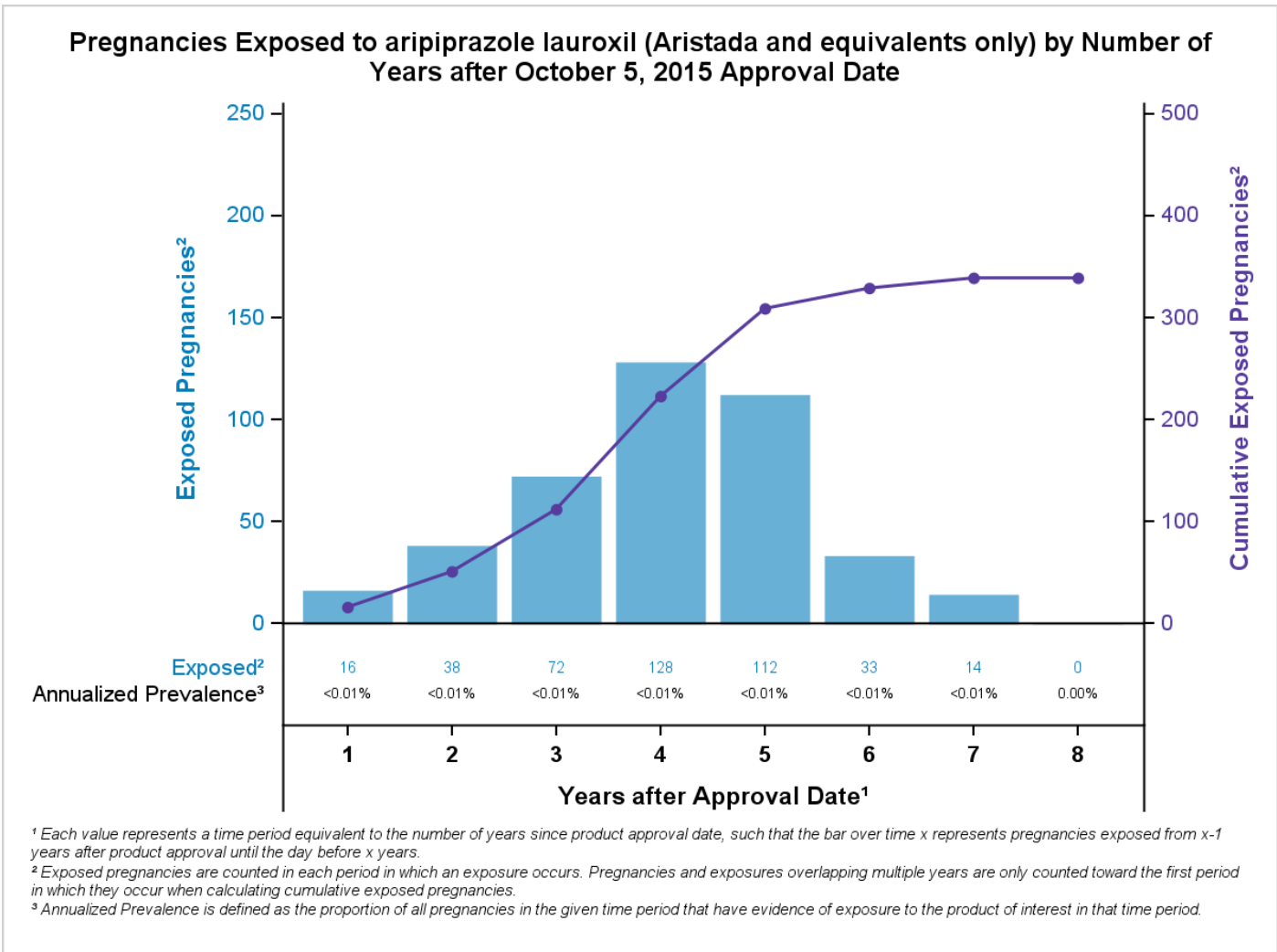


Figure 7e. Pregnancies Exposed to aripiprazole-containing products by Number of Years After November 15, 2002 Approval Date

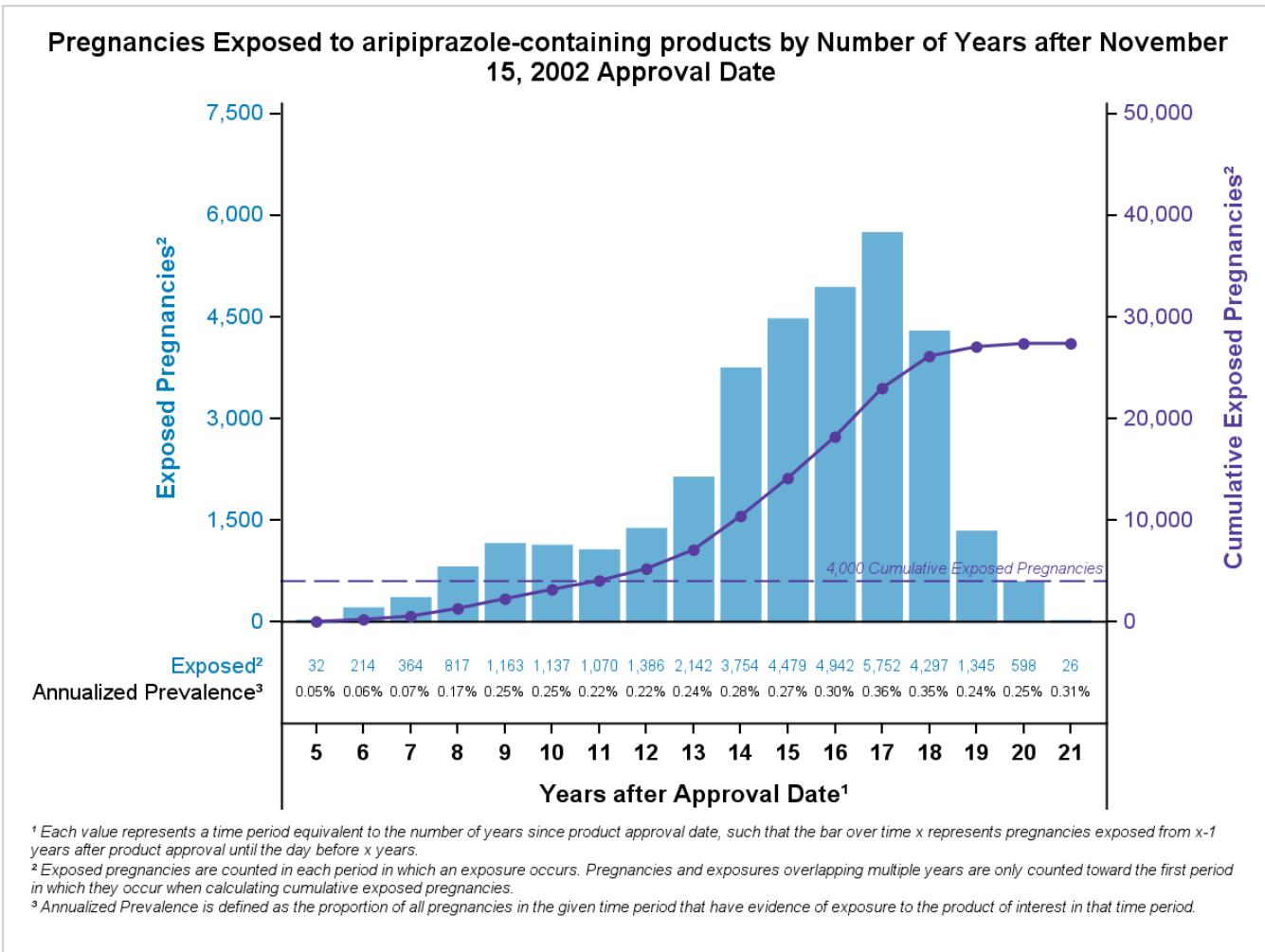


Figure 8a. Pregnancies Exposed to Armodafinil (Nuvigil equivalents only) by Number of Years After June 1, 2012 Approval Date

Figure 8a not generated due to CMS small cell suppression policies.

Figure 8b. Pregnancies Exposed to Armodafinil (Nuvigil only) by Number of Years After June 15, 2007 Approval Date

Figure 8b not generated due to CMS small cell suppression policies.

Figure 9. Pregnancies Exposed to Bupropion-Containing Products by Number of Years After December 30, 1985 Approval Date

Figure 9 not generated due to CMS small cell suppression policies.

Figure 10. Pregnancies Exposed to Certolizumab Pegol (Cimzia only)* by Number of Years After April 22, 2008 Approval Date
Figure 10 not generated due to CMS small cell suppression policies.

Figure 11. Pregnancies Exposed to Citalopram-Containing Products by Number of Years After July 17, 1998 Approval Date

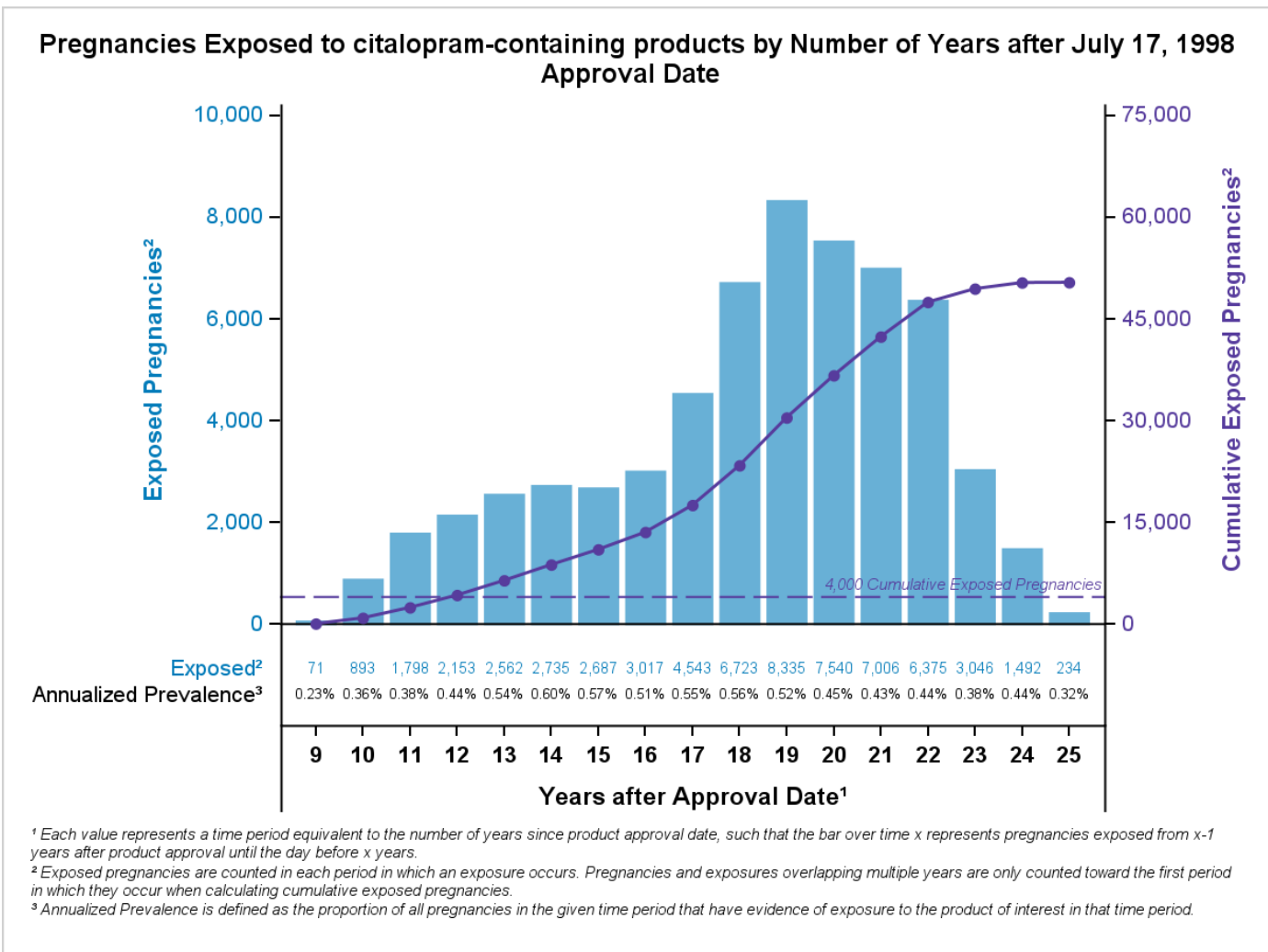


Figure 12a. Pregnancies Exposed to Cyclosporine-Containing Products (except Neoral and equivalents) by Number of Years After September 30, 1990 Approval Date

Figure 12a not generated due to CMS small cell suppression policies.

Figure 12b. Pregnancies Exposed to Cyclosporine (Neoral equivalents only) by Number of Years After January 13, 2000 Approval Date

Figure 12b not generated due to CMS small cell suppression policies.

Figure 12c. Pregnancies Exposed to Cyclosporine (Neoral only) by Number of Years After July 13, 1995 Approval Date

Figure 12c not generated due to CMS small cell suppression policies.

Figure 13a. Pregnancies Exposed to Desvenlafaxine-Containing products by Number of Years After February 29, 2008 Approval Date

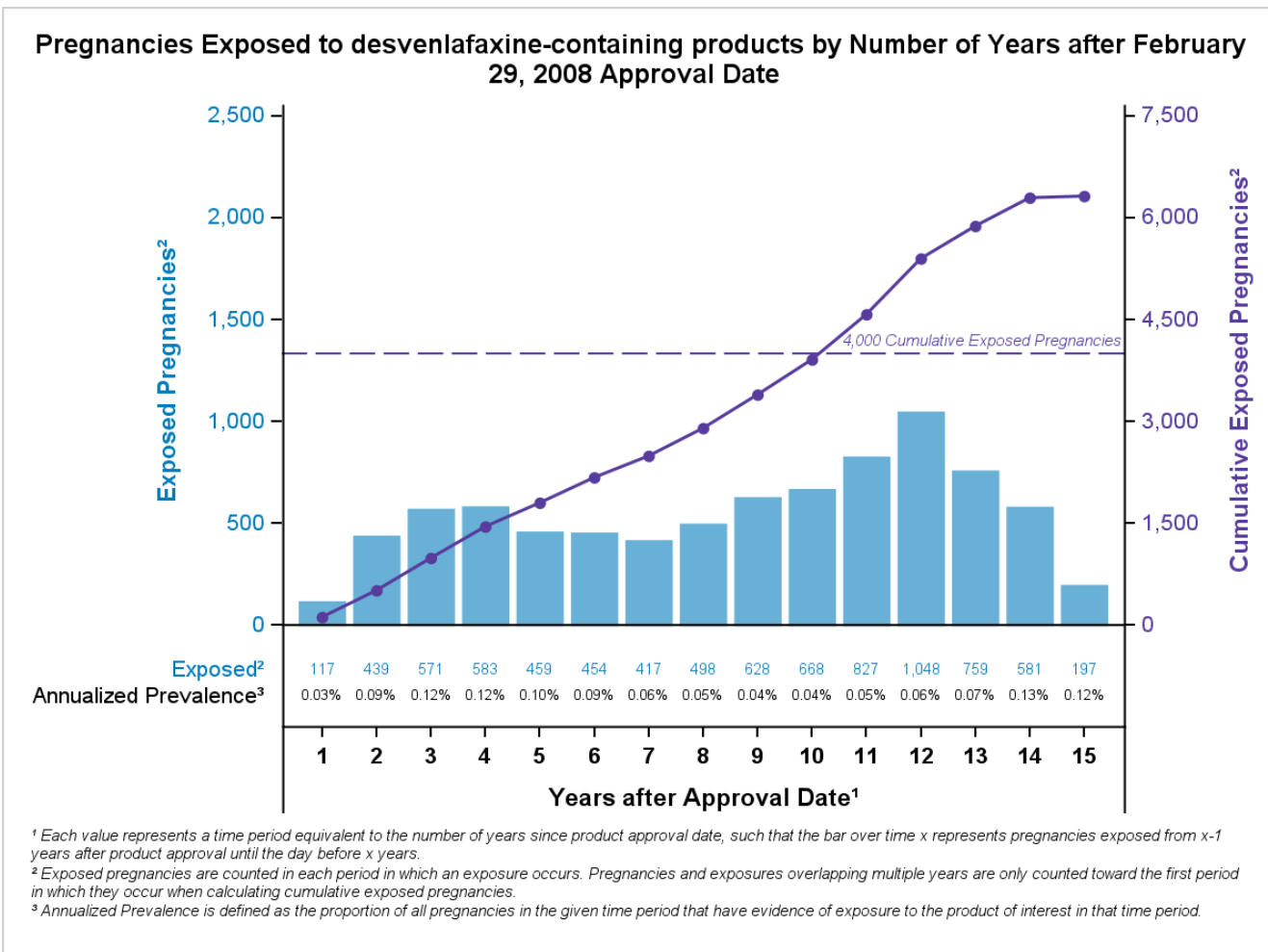


Figure 13b. Pregnancies Exposed to Desvenlafaxine Fumarate (Khedezla and equivalents only) by Number of Years After July 10, 2013 Approval Date

Figure 13b not generated because no exposed pregnancies were identified.

Figure 13c. Pregnancies Exposed to Desvenlafaxine Succinate (Pristiq and equivalents only) by Number of Years After February 29, 2008 Approval Date

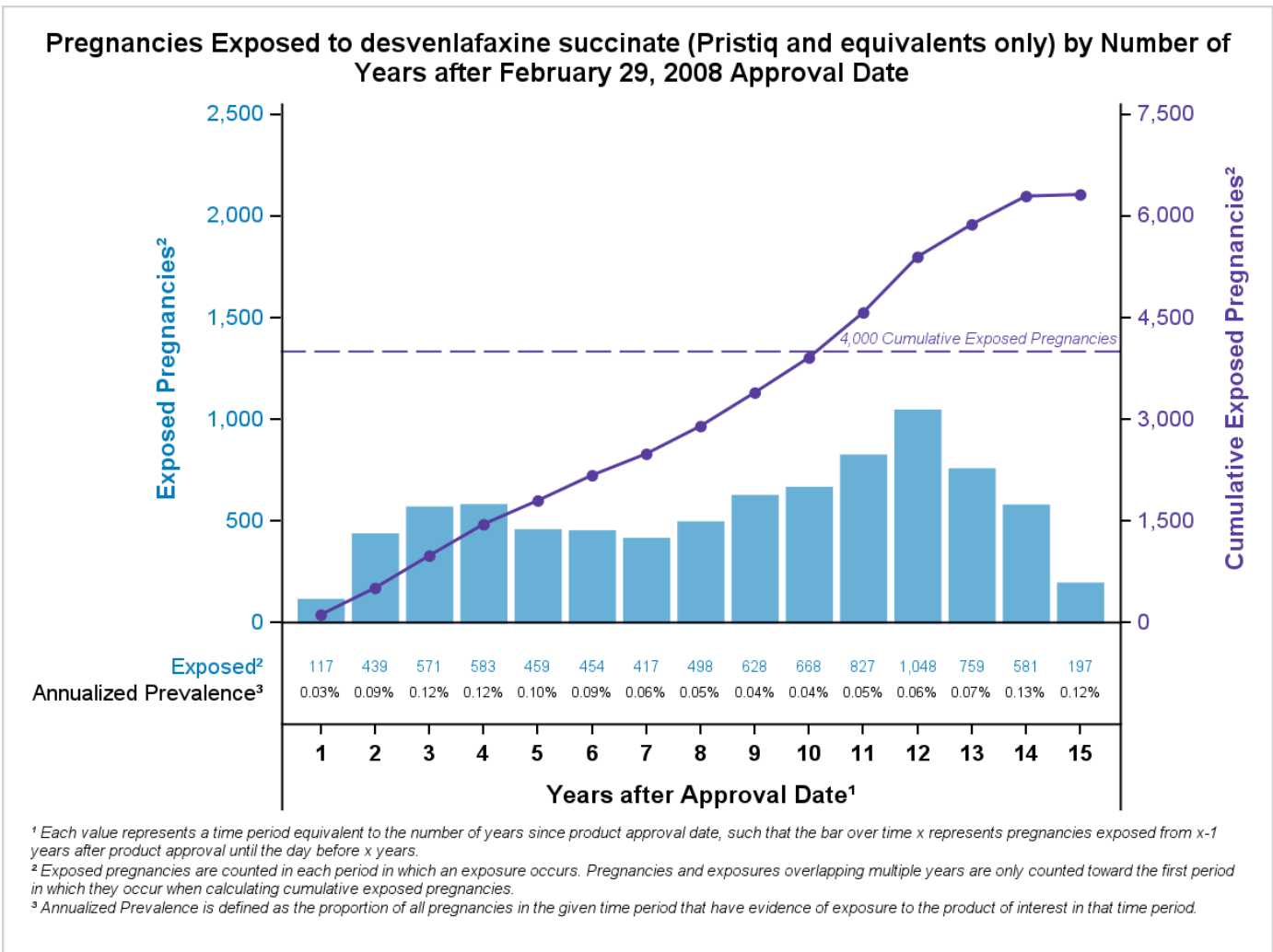


Figure 14. Pregnancies Exposed to Dextroamphetamine-Containing Products by Number of Years After September 30, 1990 Approval Date

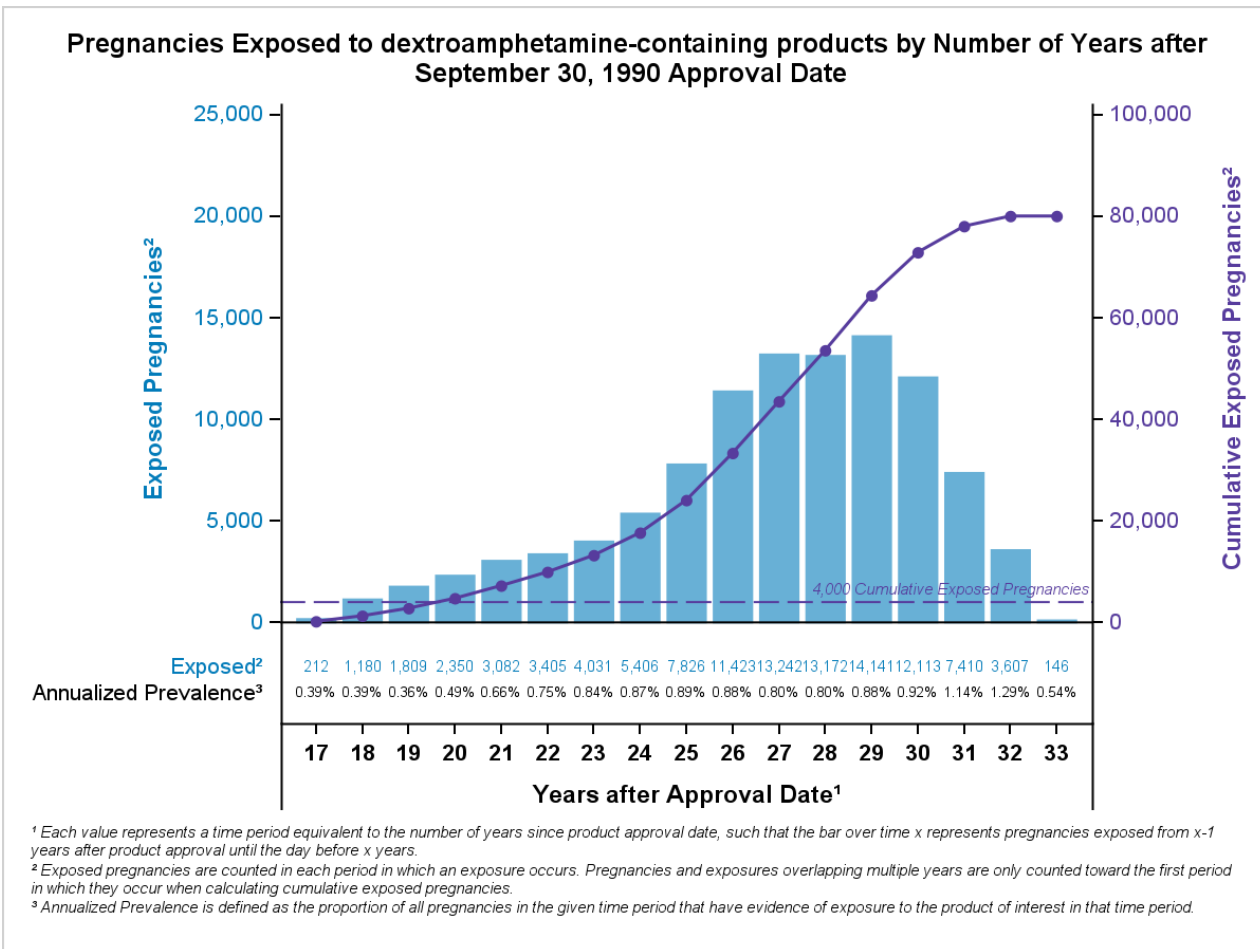


Figure 15a. Pregnancies Exposed to Doxylamine and Pyridoxine (Diclegis equivalents only) by Number of Years After August 19, 2016 Approval Date

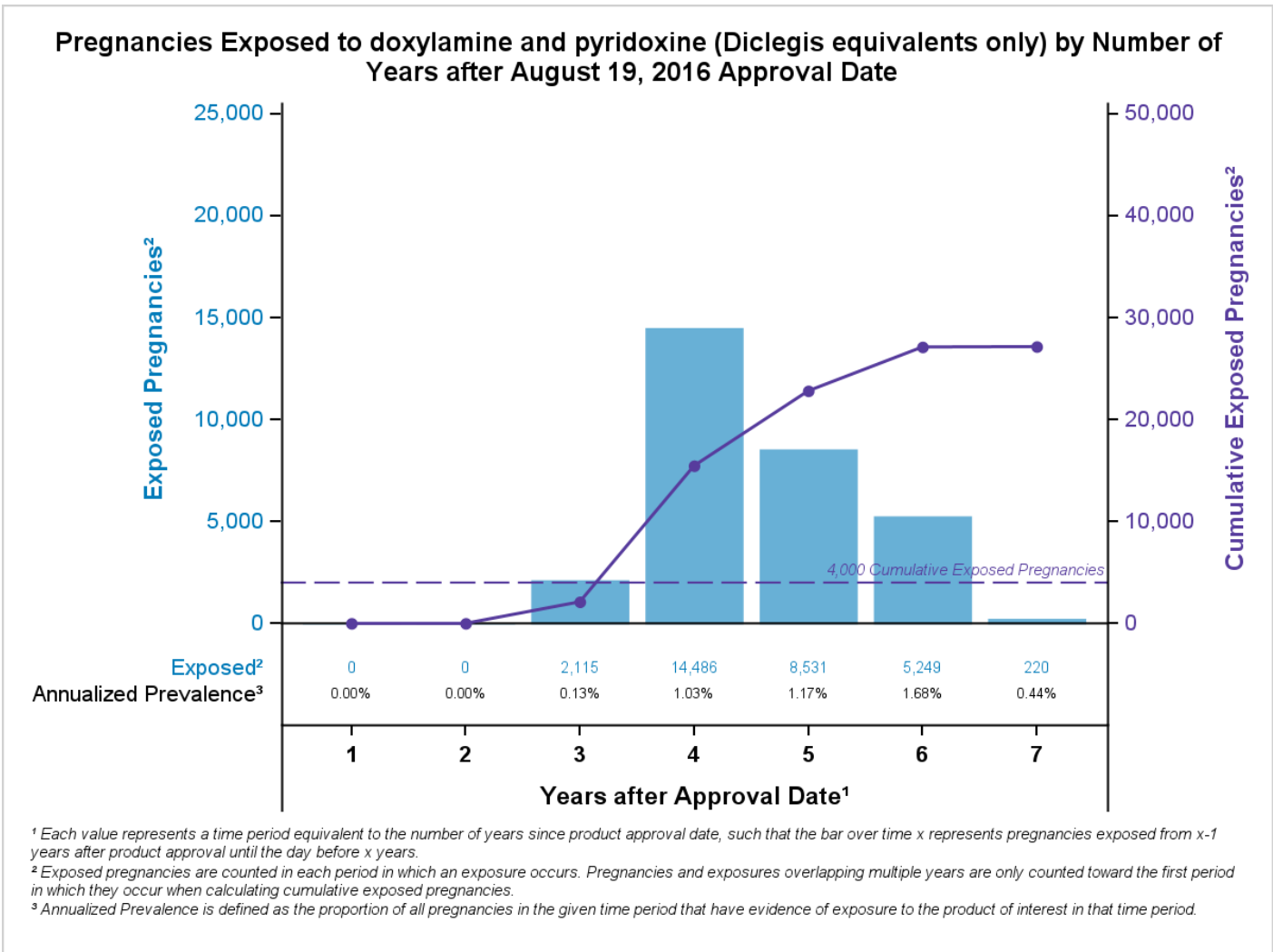


Figure 15b. Pregnancies Exposed to Doxylamine and Pyridoxine-Containing Products (Bonjesta only) by Number of Years After November 7, 2016 Approval Date

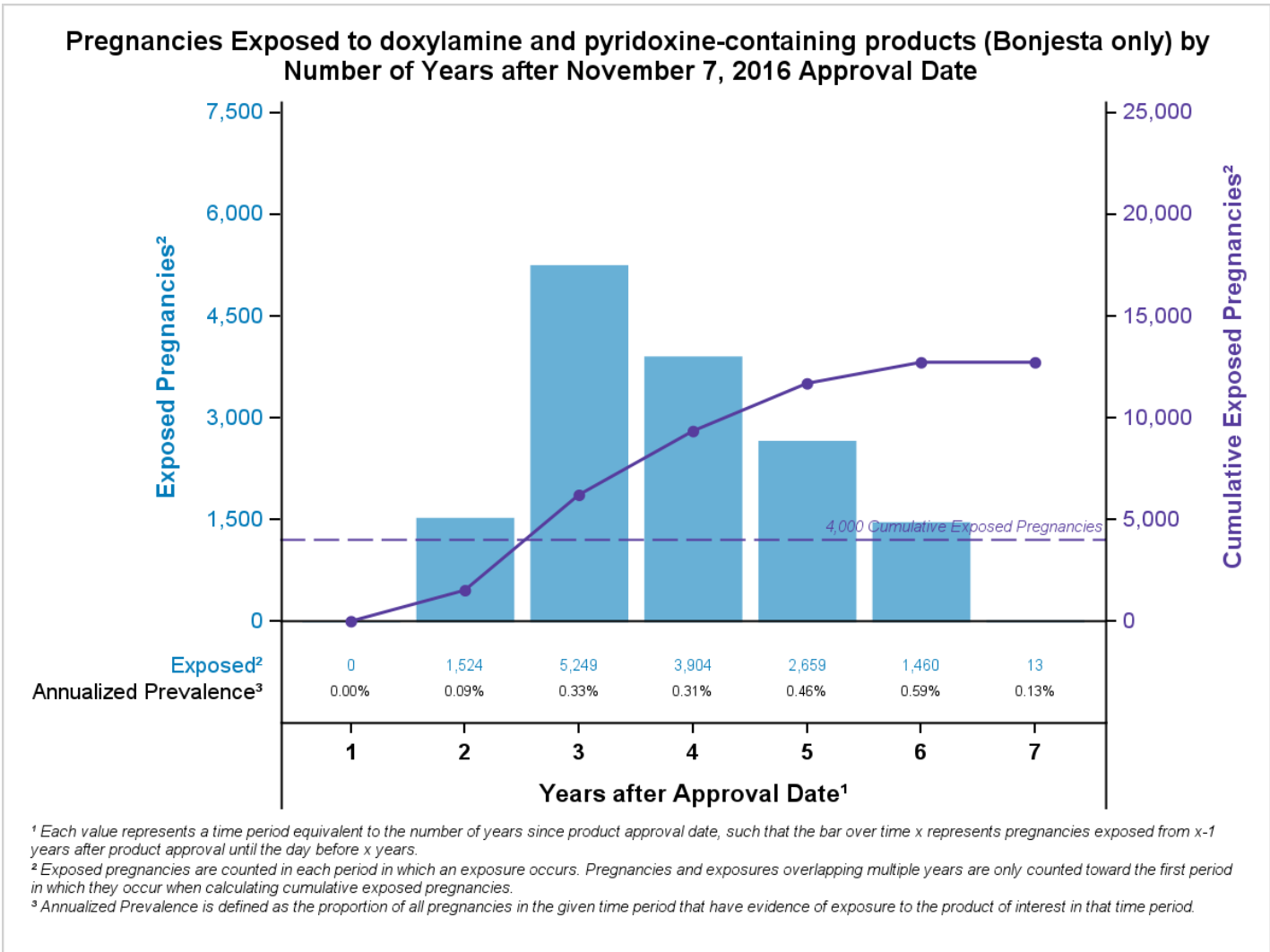


Figure 15c. Pregnancies Exposed to Doxylamine and Pyridoxine (Diclegis only) by Number of Years After April 8, 2013 Approval Date

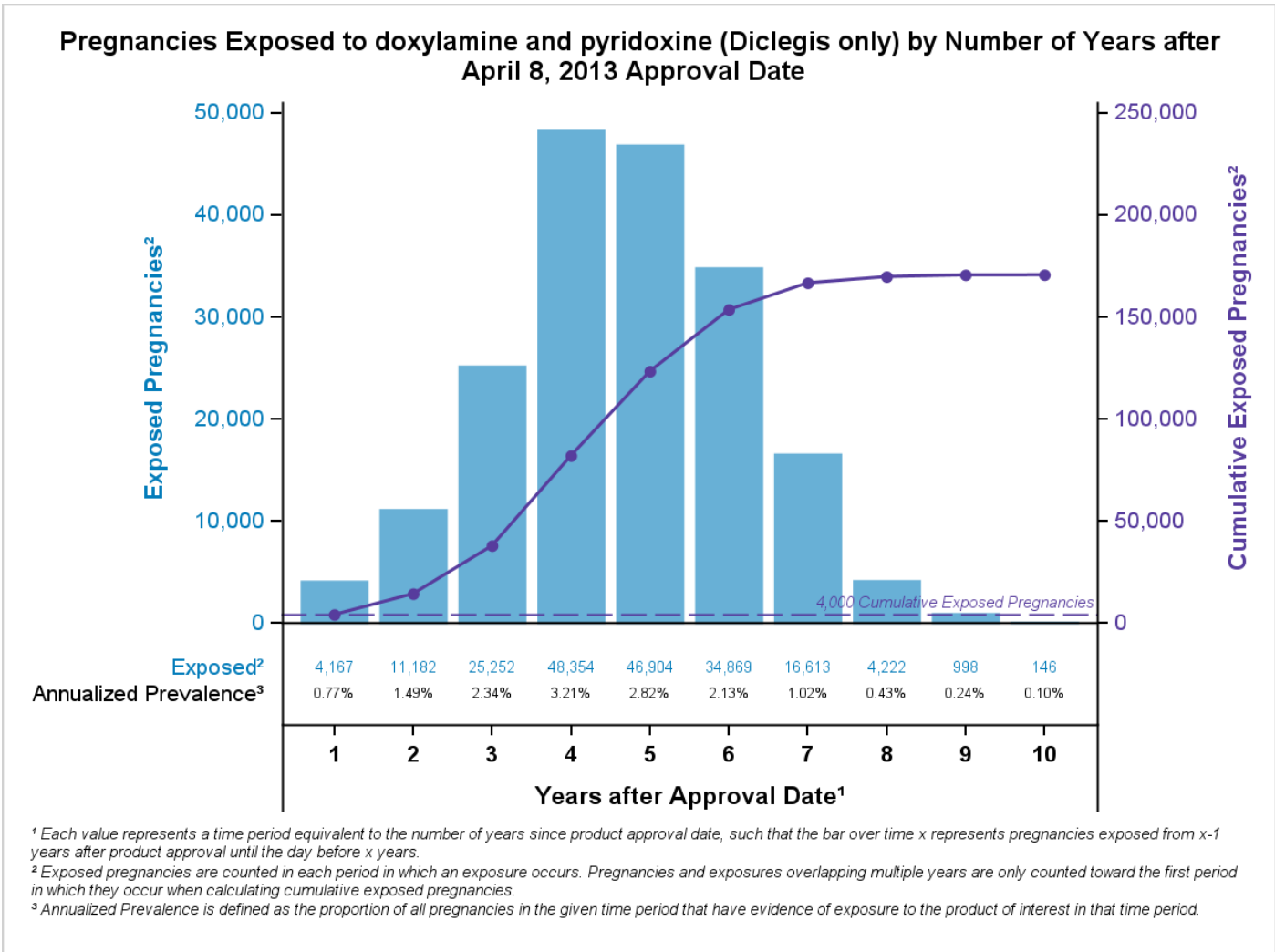


Figure 16a. Pregnancies Exposed to Duloxetine (Cymbalta equivalents only) by Number of Years After December 11, 2013 Approval Date

Figure 16a not generated due to CMS small cell suppression policies.

Figure 16b. Pregnancies Exposed to Duloxetine (Cymbalta only) by Number of Years After August 3, 2004 Approval Date

Figure 16b not generated due to CMS small cell suppression policies.

Figure 16c. Pregnancies Exposed to Duloxetine (except Cymbalta and equivalents) by Number of Years After July 19, 2019 Approval Date

Figure 16c not generated because no exposed pregnancies were identified.

Figure 17. Pregnancies Exposed to Dupilumab (Dupixent only)* by Number of Years After March 28, 2017 Approval Date

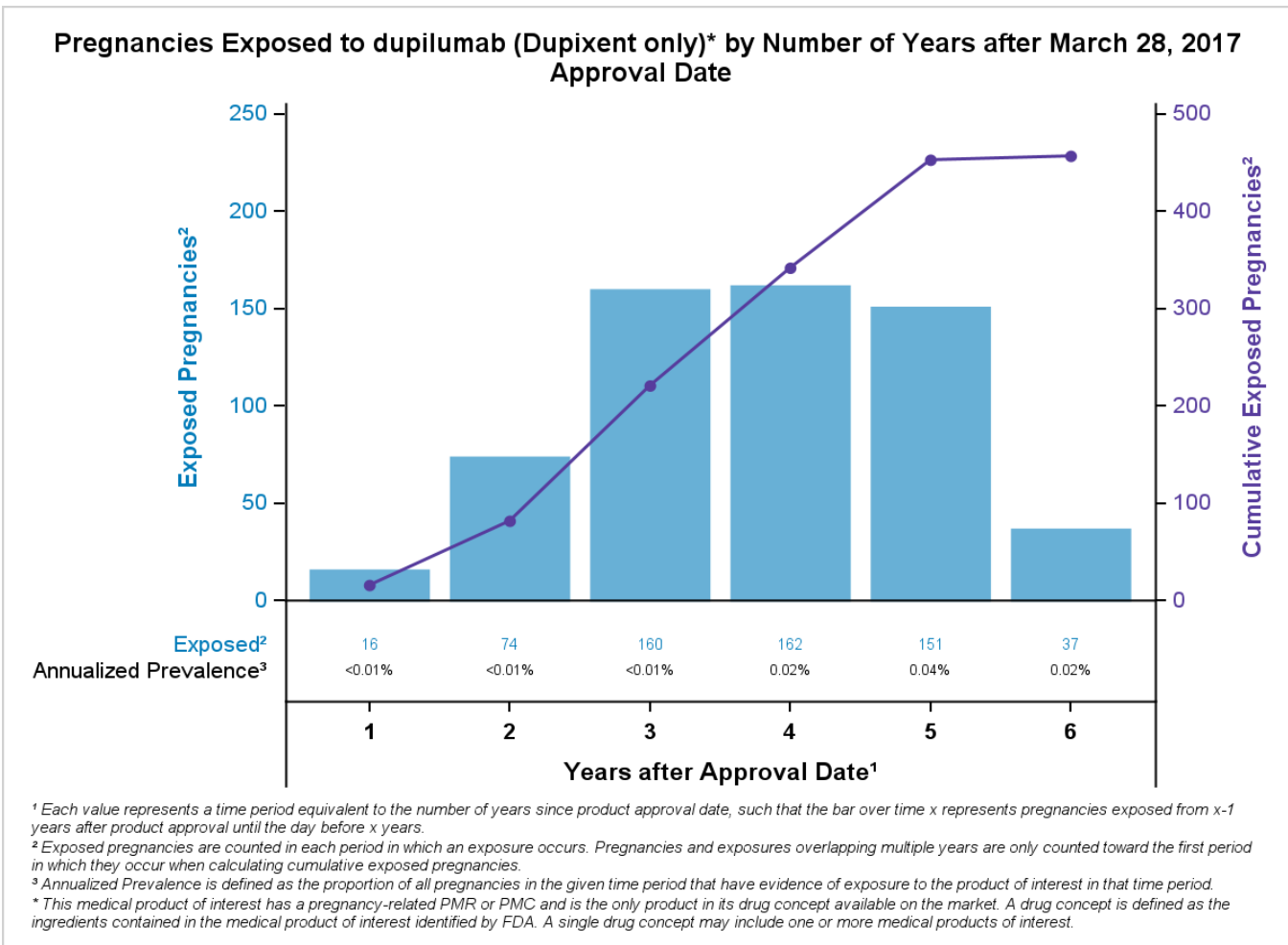


Figure 18a. Pregnancies Exposed to Emtricitabine and Tenofovir Disoproxil Fumarate-Containing Products (except Truvada and equivalents) by Number of Years After July 12, 2006 Approval Date

Figure 18a not generated due to CMS small cell suppression policies.

Figure 18b. Pregnancies Exposed to Emtricitabine and Tenofovir Disoproxil Fumarate (Truvada equivalents only) by Number of Years After June 8, 2017 Approval Date

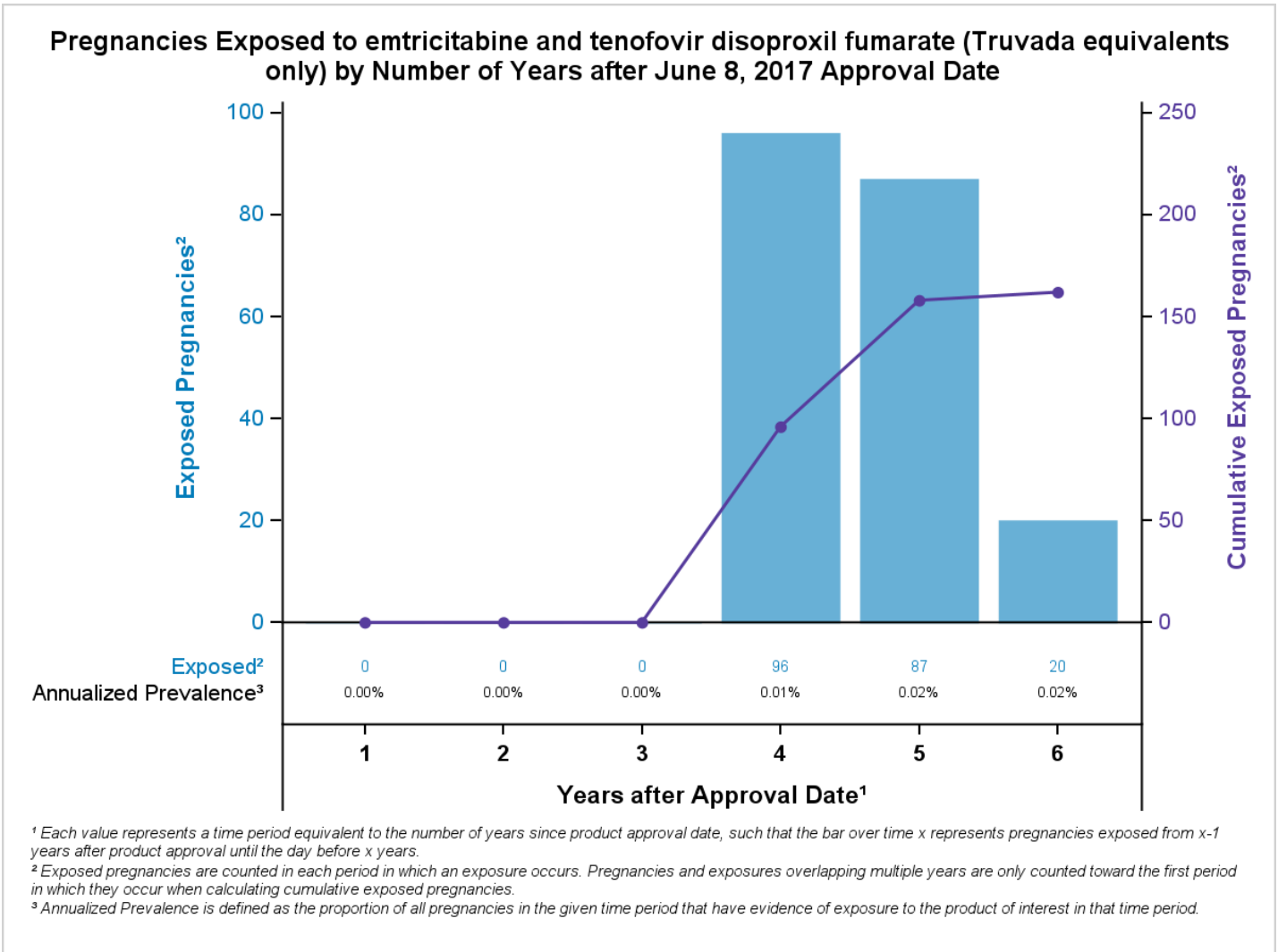


Figure 18c. Pregnancies Exposed to Emtricitabine and Tenofovir Disoproxil Fumarate (Truvada only) by Number of Years After August 2, 2004 Approval Date

Figure 18c not generated due to CMS small cell suppression policies.

Figure 19. Pregnancies Exposed to Erenumab-Aooe (Aimovig only)* by Number of Years After May 17, 2018 Approval Date

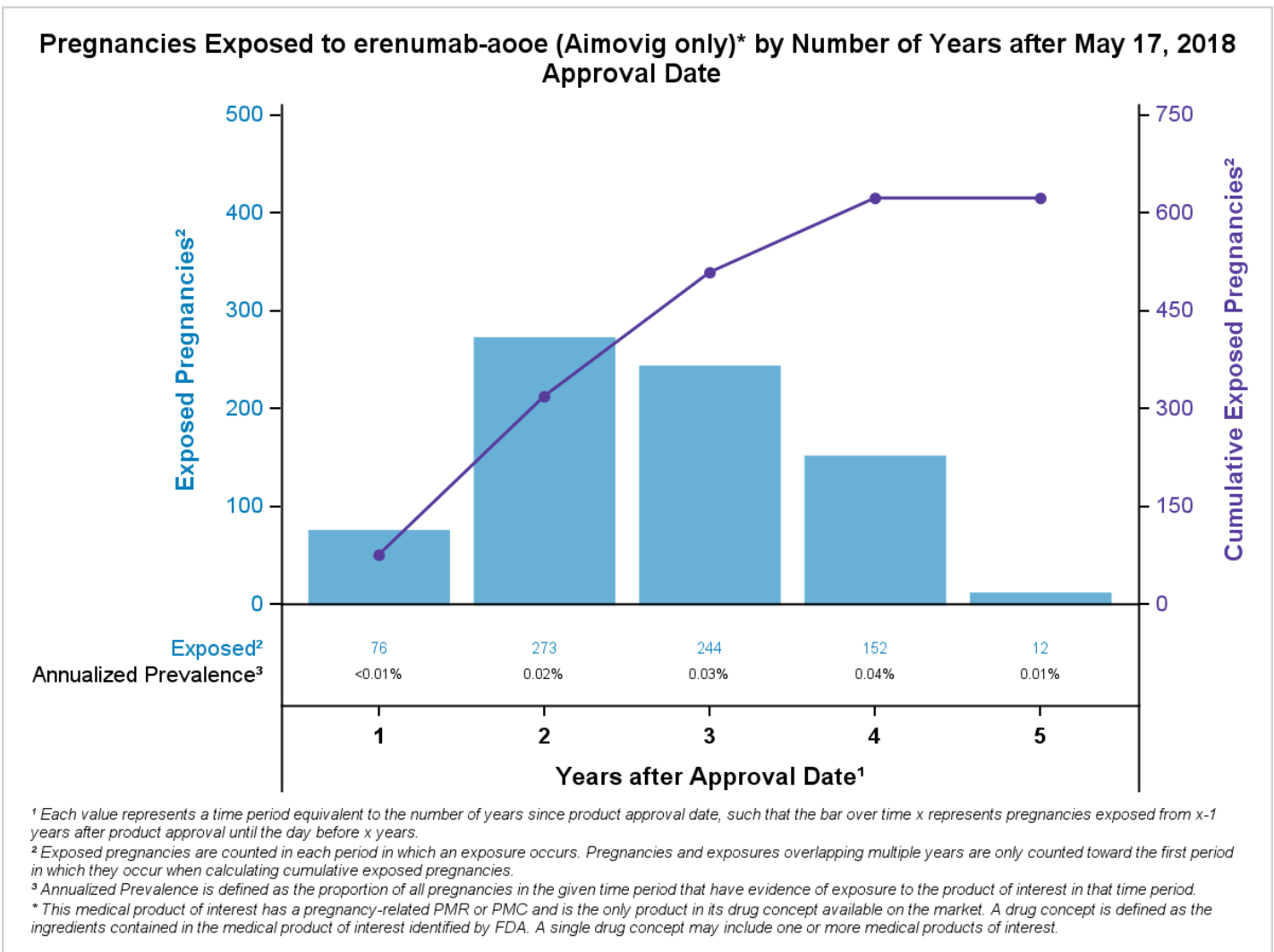


Figure 20. Pregnancies Exposed to Escitalopram-Containing products by Number of Years After August 16, 2002 Approval Date

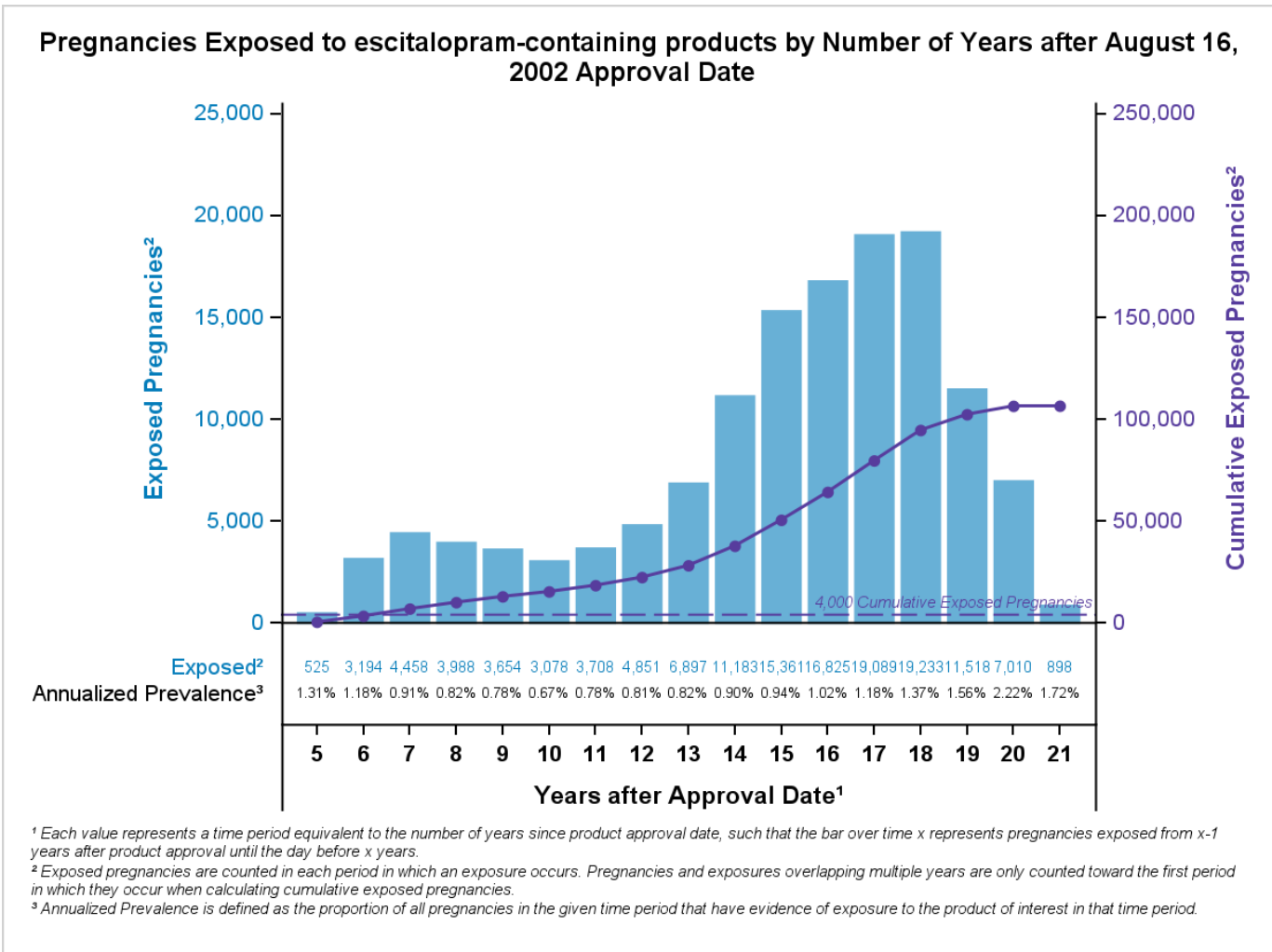


Figure 21. Pregnancies Exposed to Fluoxetine-Containing Products by Number of Years After December 29, 1987 Approval Date

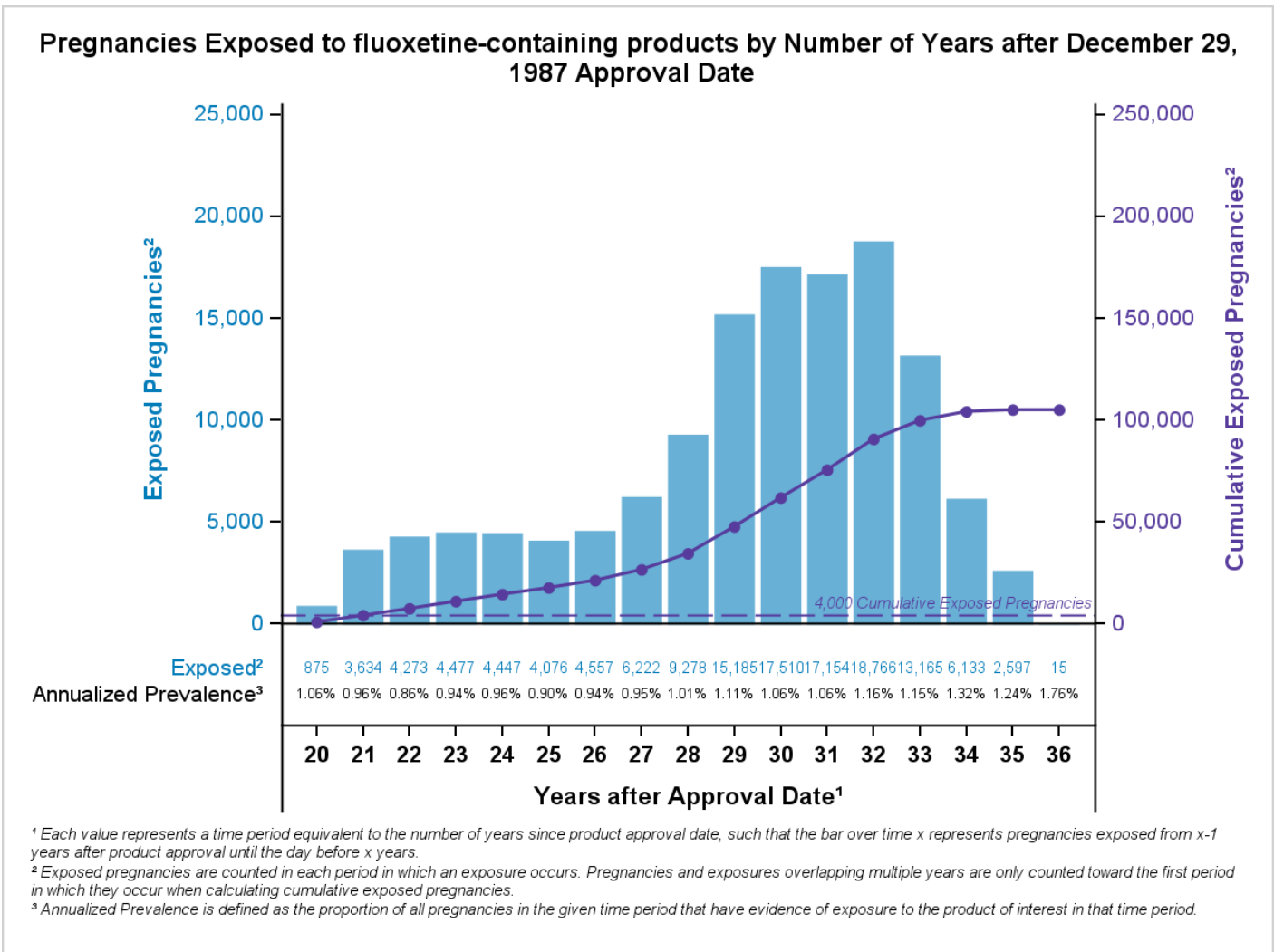


Figure 22a. Pregnancies Exposed to Hydroxyprogesterone Caproate (Makena equivalents only) by Number of Years After August 24, 2015 Approval Date

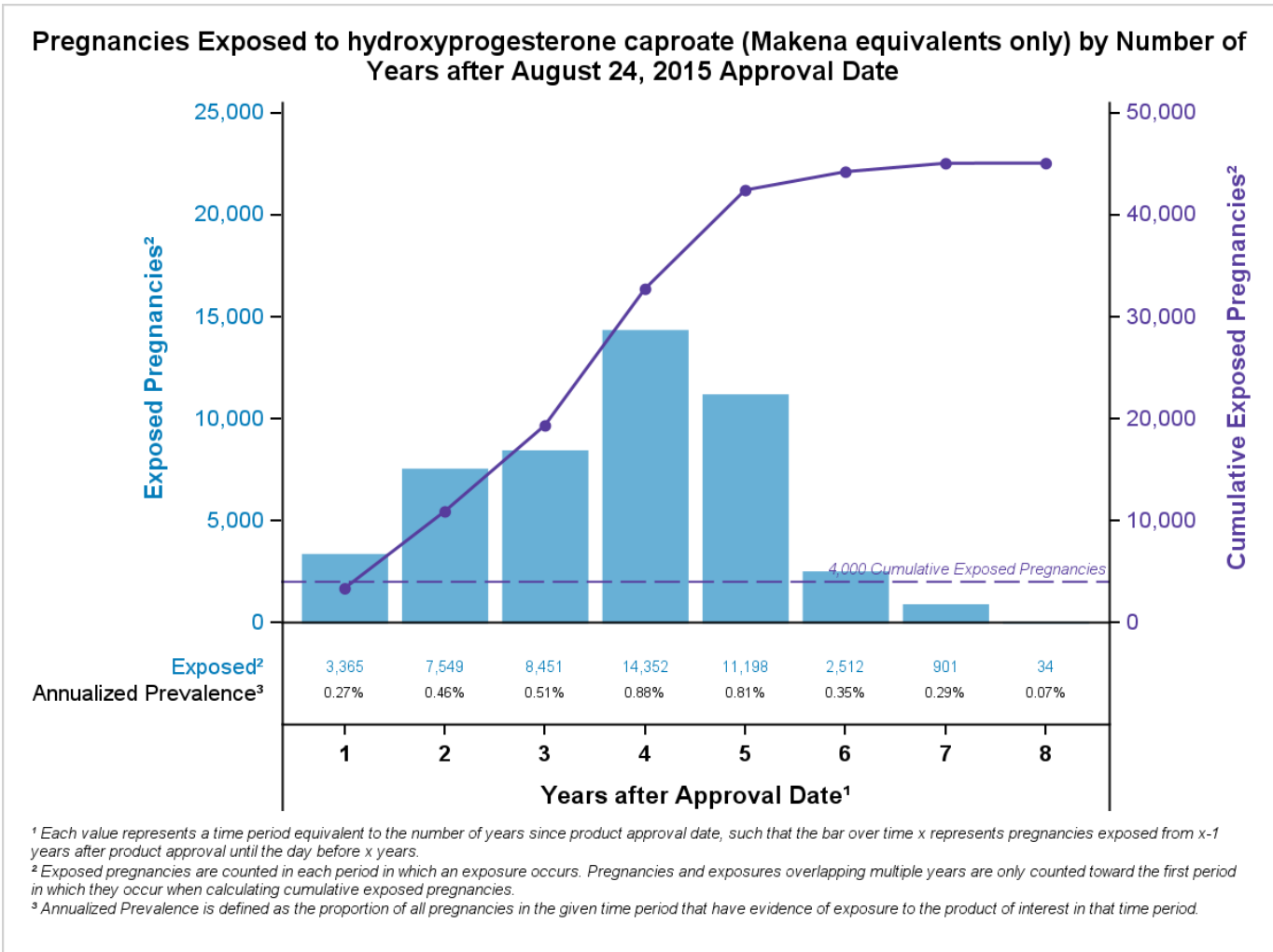


Figure 22b. Pregnancies Exposed to Hydroxyprogesterone Caproate (Makena only) by Number of Years After February 3, 2011 Approval Date

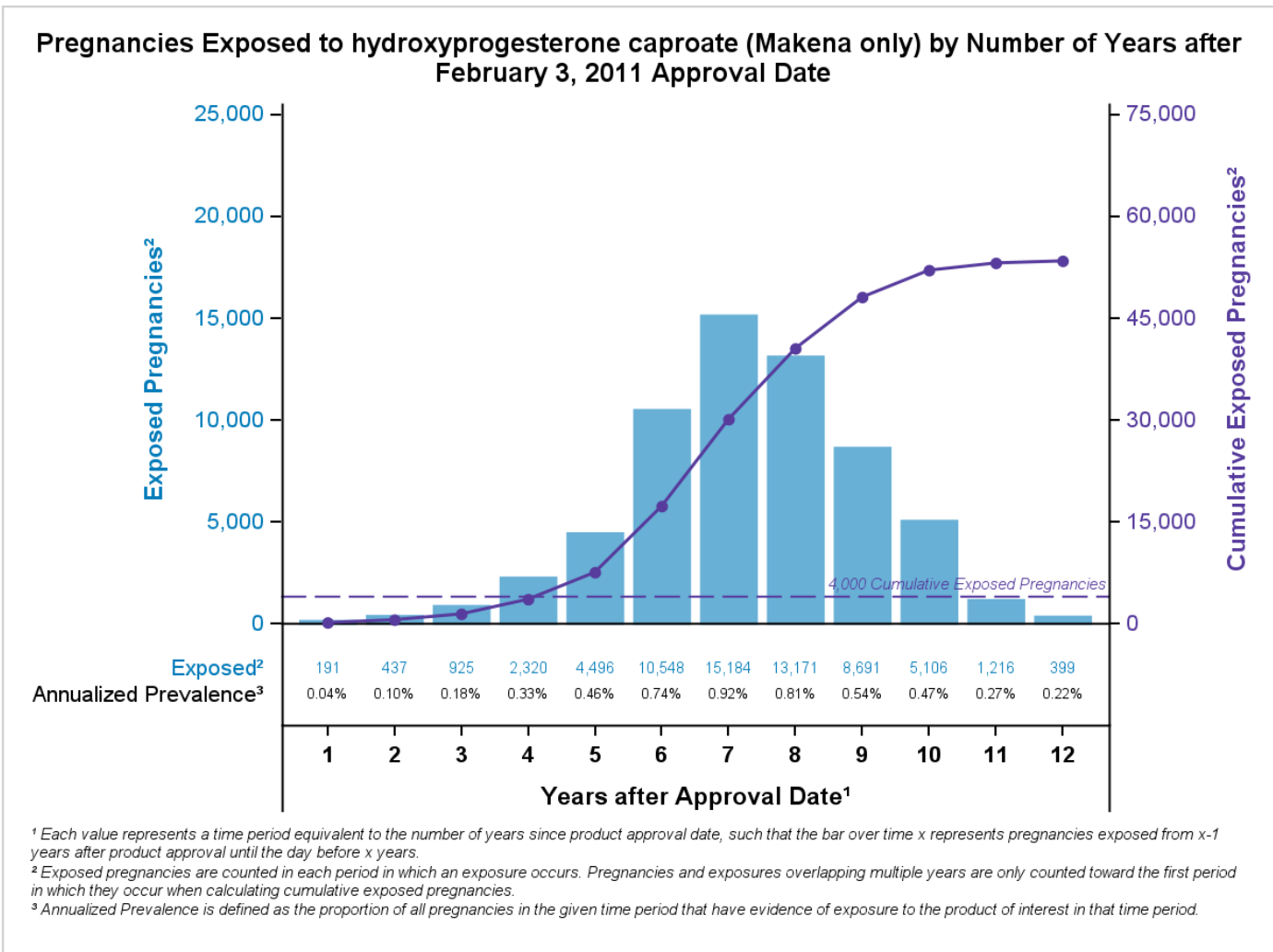


Figure 23. Pregnancies Exposed to Insulin NPH-Containing Products by Number of Years After September 30, 1990 Approval Date

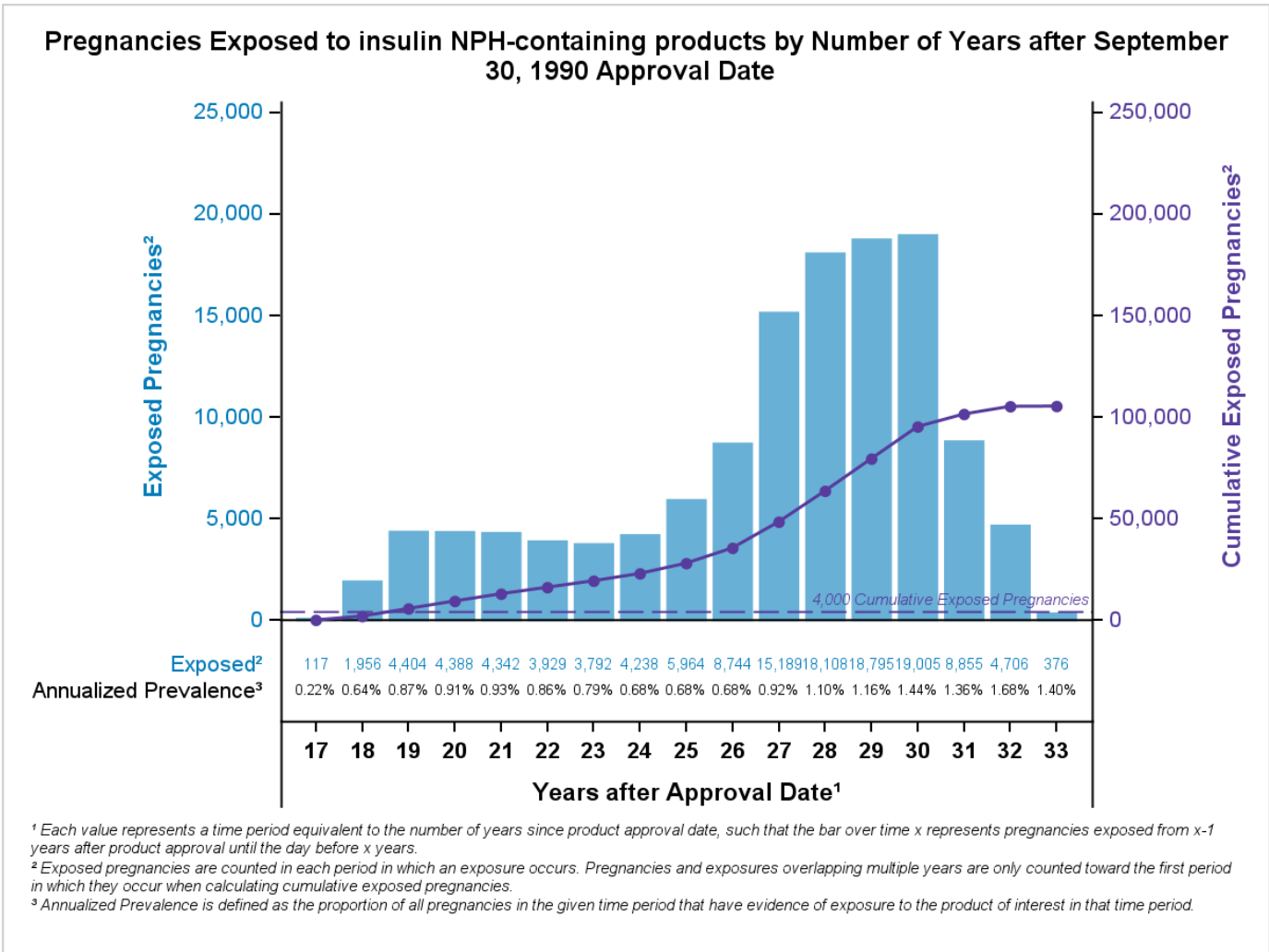


Figure 24. Pregnancies Exposed to Insulin Aspart-Containing Products by Number of Years After June 7, 2000 Approval Date

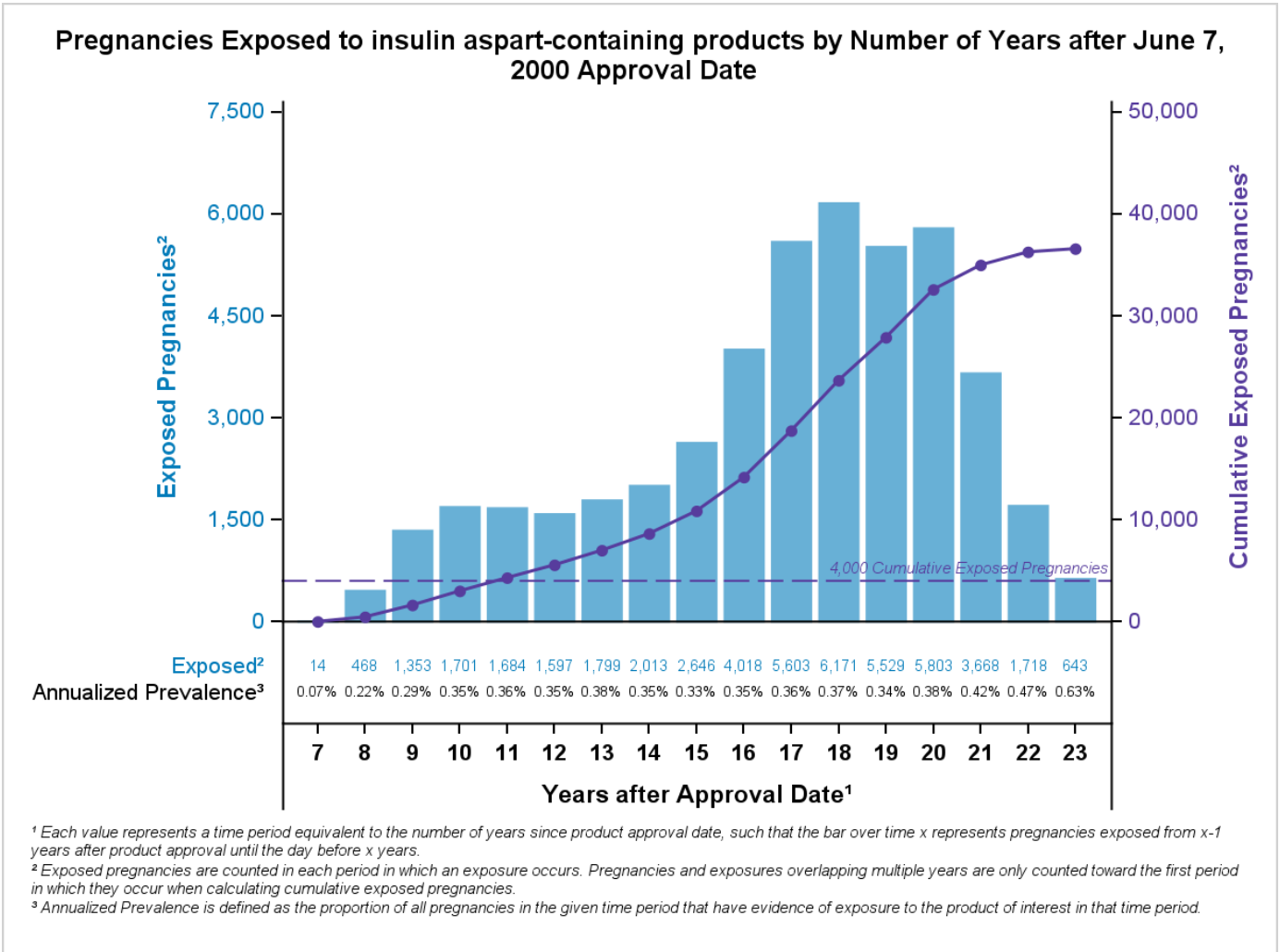


Figure 25. Pregnancies Exposed to Insulin Detemir-Containing Products by Number of Years After June 16, 2005 Approval Date
Figure 25 not generated due to CMS small cell suppression policies.

Figure 26. Pregnancies Exposed to Lamotrigine-Containing Products by Number of Years After December 27, 1994 Approval Date

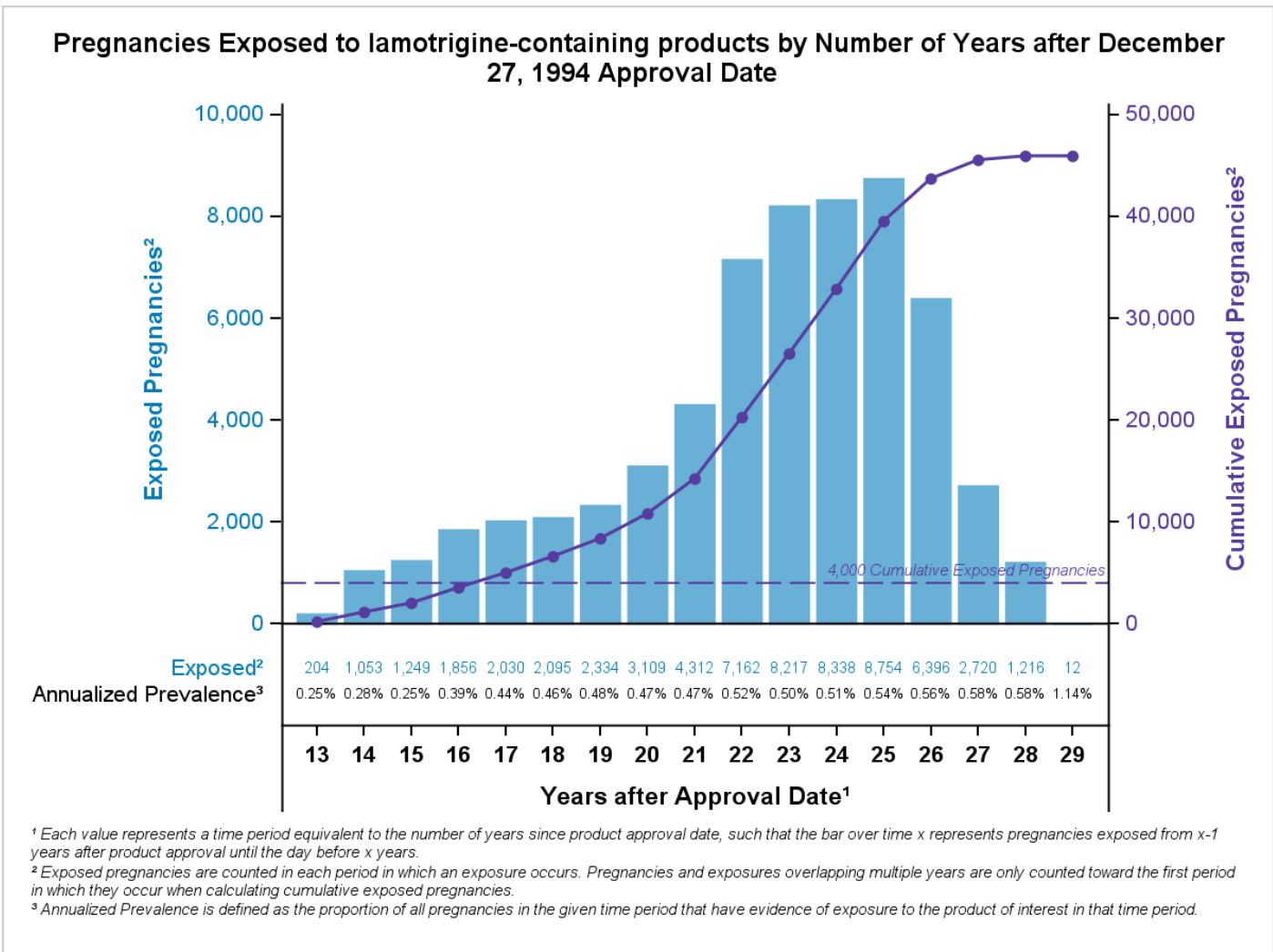


Figure 27. Pregnancies Exposed to Levetiracetam-Containing Products by Number of Years After November 30, 1999 Approval Date

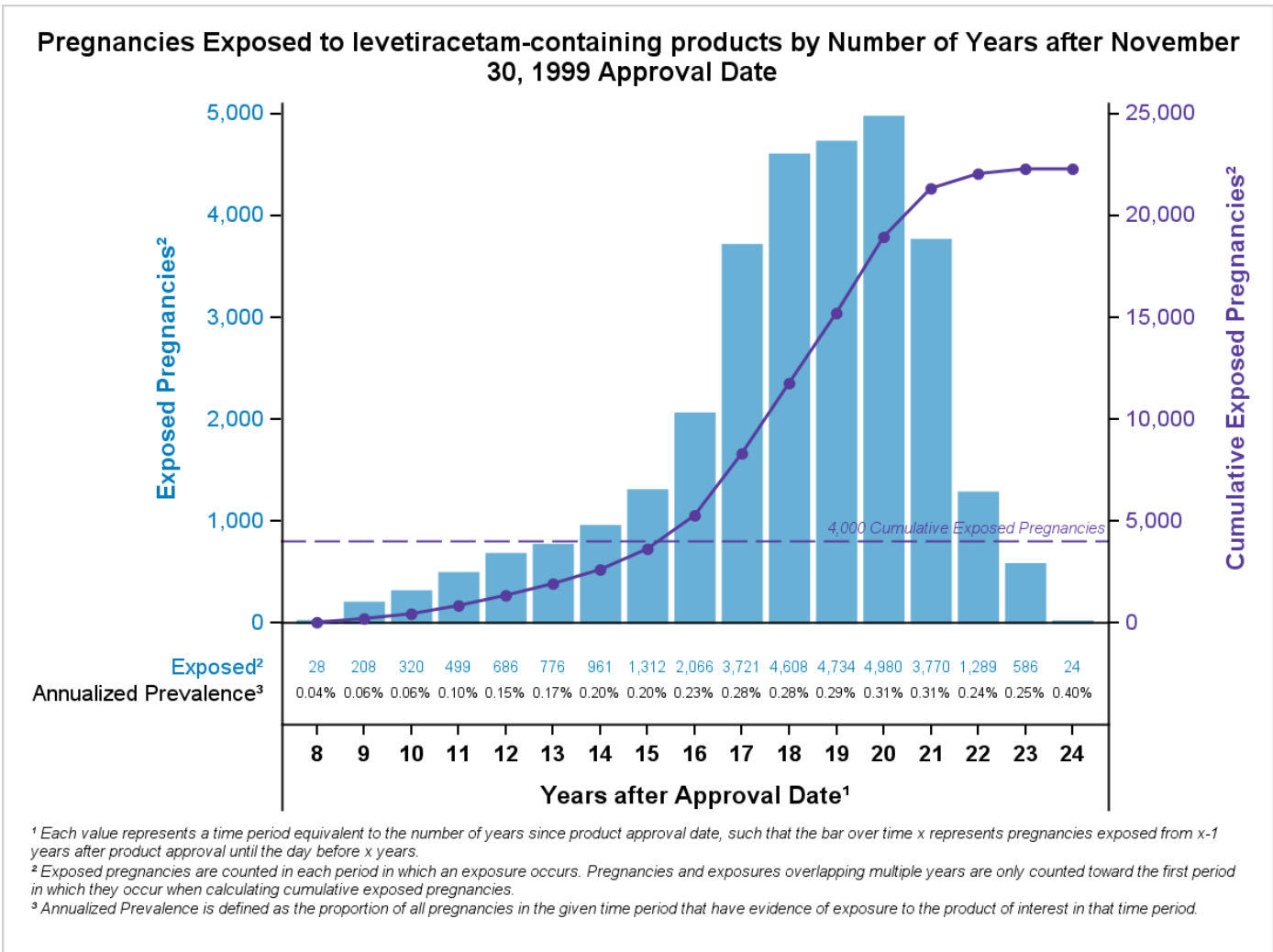


Figure 28a. Pregnancies Exposed to Levonorgestrel-Containing Intrauterine Device Products (except Liletta and Mirena) by Number of Years After January 9, 2013 Approval Date

Figure 28a not generated due to CMS small cell suppression policies.

Figure 28b. Pregnancies Exposed to Levonorgestrel Intrauterine Device (Liletta only) by Number of Years After February 26, 2015 Approval Date

Figure 28b not generated due to CMS small cell suppression policies.

Figure 28c. Pregnancies Exposed to Levonorgestrel Intrauterine Device (Mirena only) by Number of Years After December 2, 2000 Approval Date

Figure 28c not generated due to CMS small cell suppression policies.

Figure 29. Pregnancies Exposed to Lisdexamfetamine-Containing Products by Number of Years After February 23, 2007 Approval Date

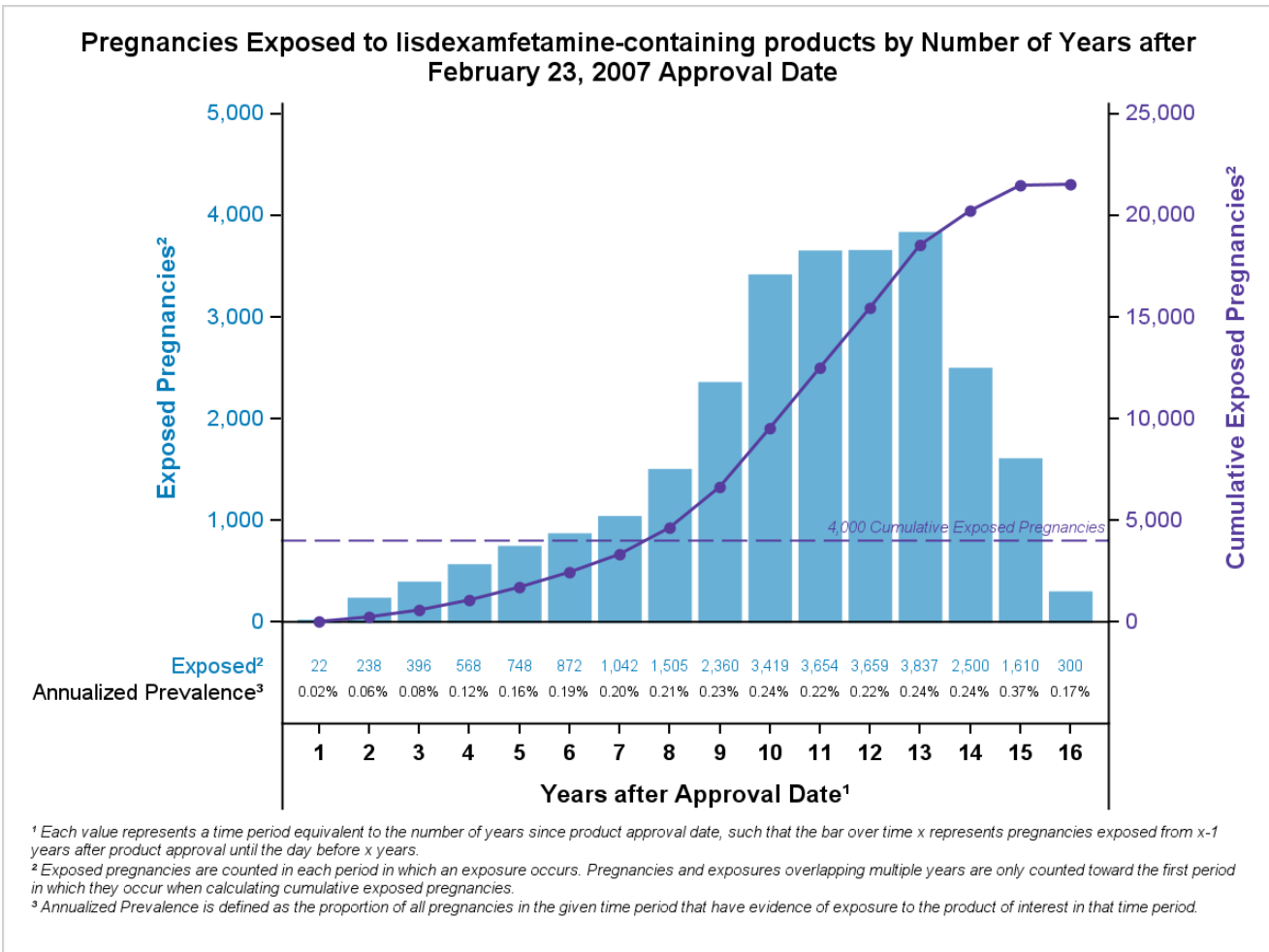


Figure 30. Pregnancies Exposed to Lurasidone-Containing Products by Number of Years After October 28, 2010 Approval Date

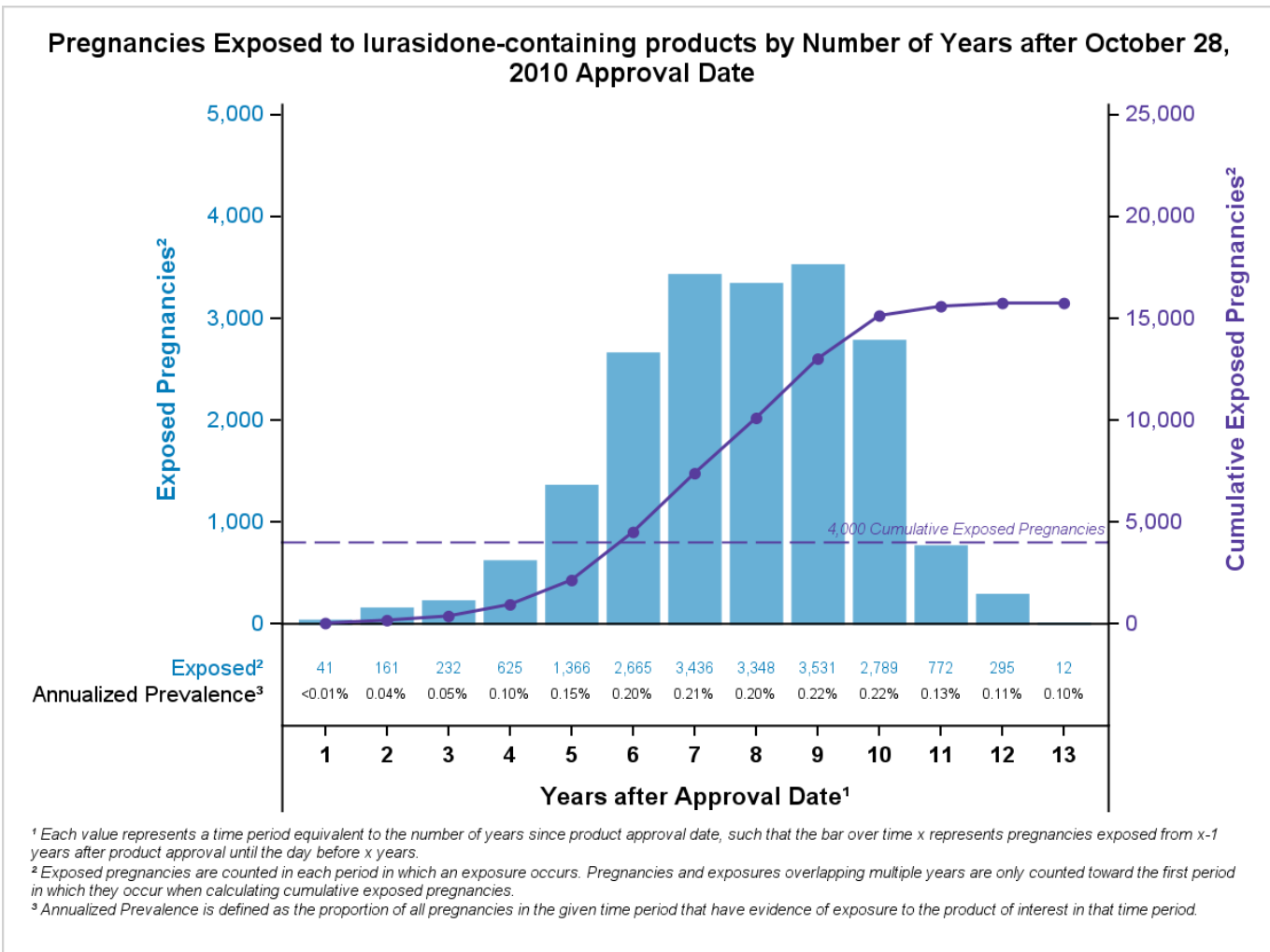


Figure 31. Pregnancies Exposed to Methylphenidate-Containing Products by Number of Years After December 5, 1955 Approval Date

Figure 31 not generated due to CMS small cell suppression policies.

Figure 32. Pregnancies Exposed to Milnacipran (Savella only)* by Number of Years After January 14, 2009 Approval Date
Figure 32 not generated due to CMS small cell suppression policies.

Figure 33. Pregnancies Exposed to Mirtazapine-Containing Products by Number of Years After June 14, 1996 Approval Date

Figure 33 not generated due to CMS small cell suppression policies.

Figure 34a. Pregnancies Exposed to Modafinil (Provigil equivalents only) by Number of Years After September 27, 2012 Approval Date

Figure 34a not generated due to CMS small cell suppression policies.

Figure 34b. Pregnancies Exposed to Modafinil (Provigil only) by Number of Years After December 24, 1998 Approval Date

Figure 34b not generated due to CMS small cell suppression policies.

Figure 35a. Pregnancies Exposed to Nicotine Nasal Spray Device (Nicotrol NS only)* by Number of Years After June 30, 1995 Approval Date

Figure 35a not generated due to CMS small cell suppression policies.

Figure 35b. Pregnancies Exposed to Nicotine Transdermal Device (Nicoderm CQ only) by Number of Years After September 3, 1996 Approval Date

Figure 35b not generated due to CMS small cell suppression policies.

Figure 35c. Pregnancies Exposed to Nicotine Transdermal Device (except Nicoderm CQ) by Number of Years After October 20, 1997 Approval Date

Figure 35c not generated due to CMS small cell suppression policies.

Figure 36. Pregnancies Exposed to Non-Transdermal Nicotine Products by Number of Years After August 24, 1999 Approval Date

Figure 36 not generated due to CMS small cell suppression policies.

Figure 37. Pregnancies Exposed to Nortriptyline-Containing Products by Number of Years After August 1, 1977 Approval Date

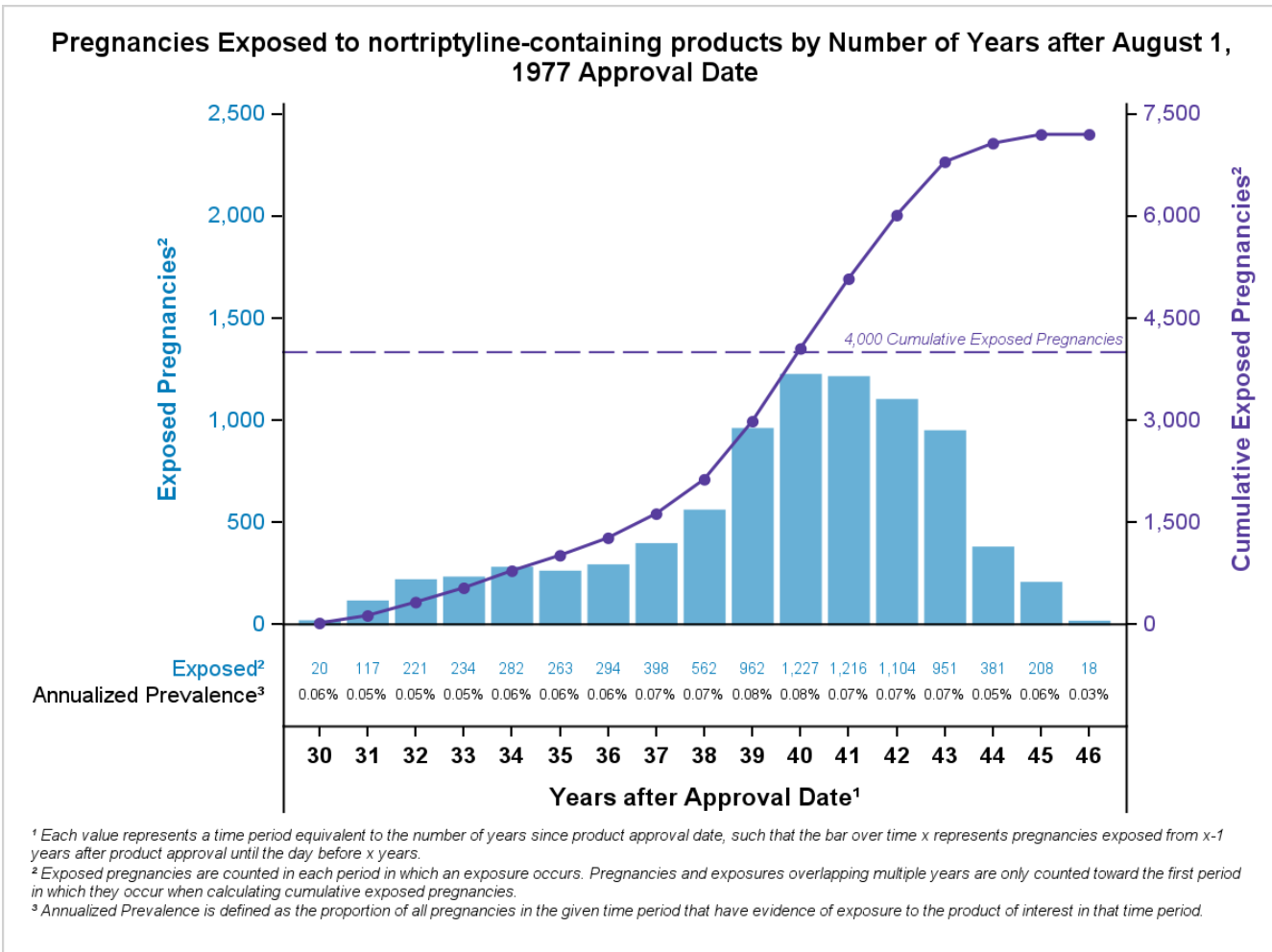


Figure 38. Pregnancies Exposed to Olanzapine-Containing Products by Number of Years After December 24, 2003 Approval Date

Figure 38 not generated due to CMS small cell suppression policies.

Figure 39. Pregnancies Exposed to Omalizumab (Xolair only)* by Number of Years After June 20, 2003 Approval Date
Figure 39 not generated due to CMS small cell suppression policies.

Figure 40. Pregnancies Exposed to Paroxetine-Containing Products by Number of Years After December 29, 1992 Approval Date

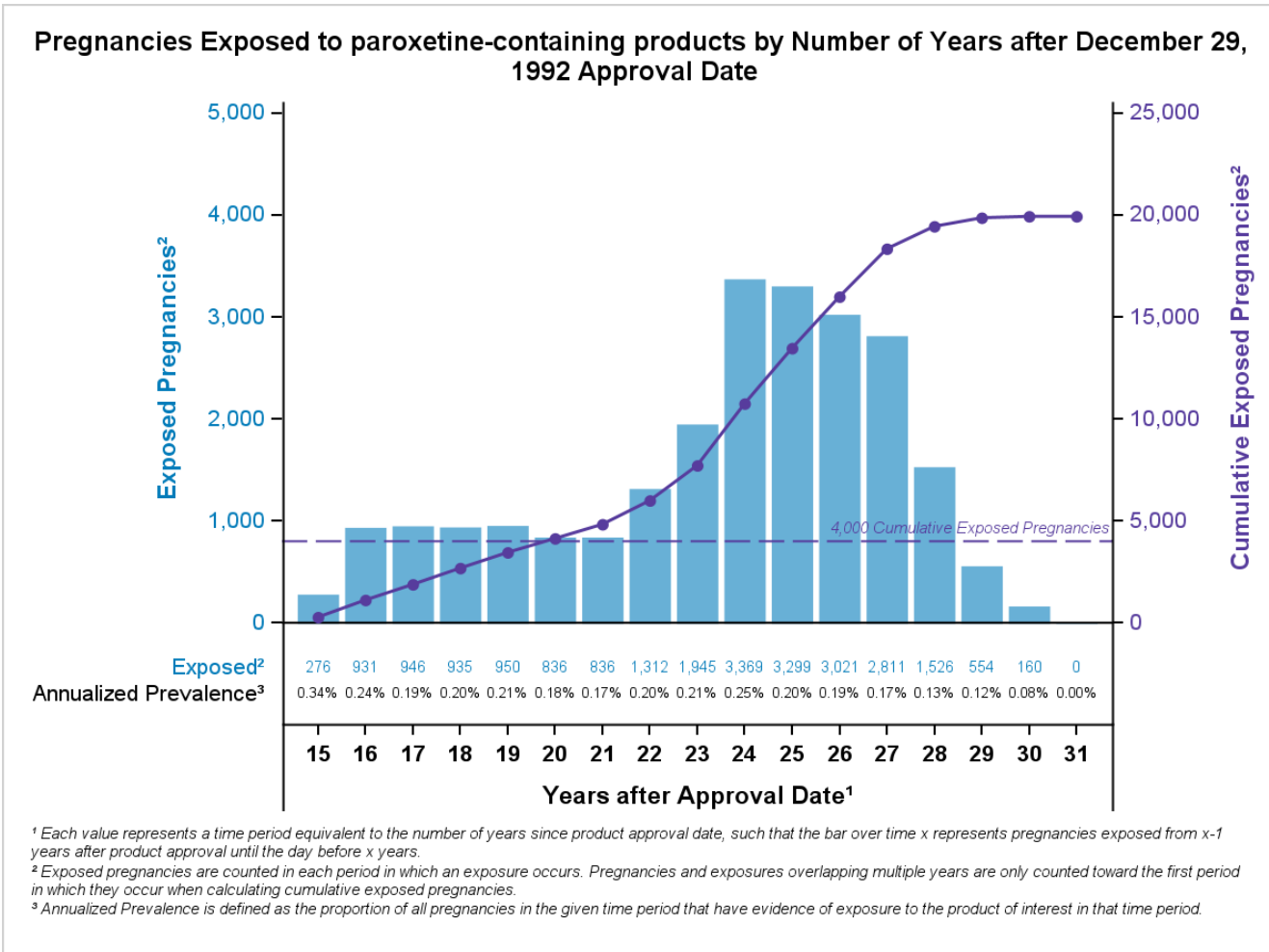


Figure 41. Pregnancies Exposed to Peginterferon Beta 1a (Plegridy only)* by Number of Years After August 15, 2014 Approval Date

Figure 41 not generated due to CMS small cell suppression policies.

Figure 42. Pregnancies Exposed to Pregabalin-Containing Products by Number of Years After December 30, 2004 Approval Date

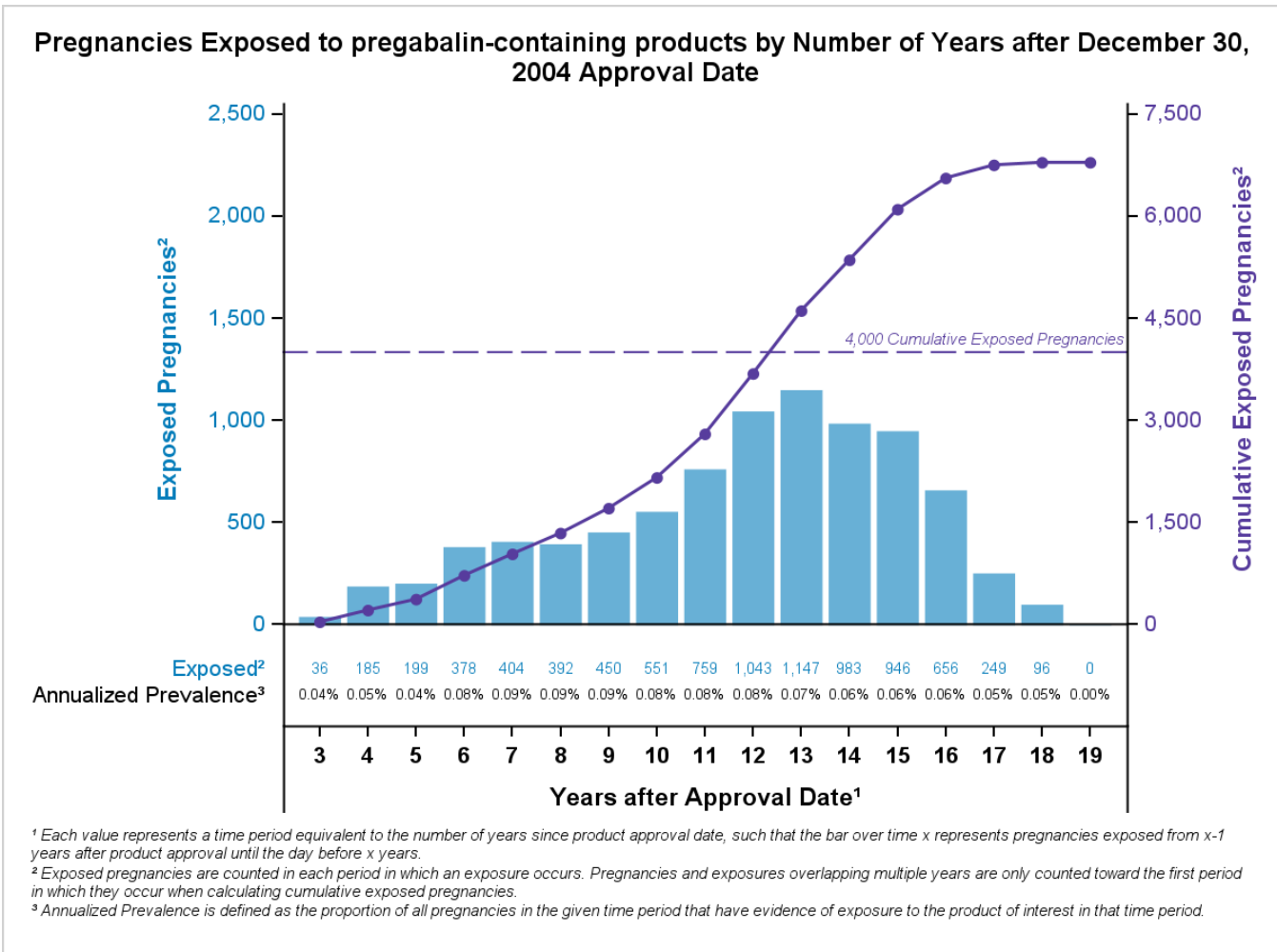


Figure 43. Pregnancies Exposed to Quetiapine-Containing Products by Number of Years After September 29, 1997 Approval Date

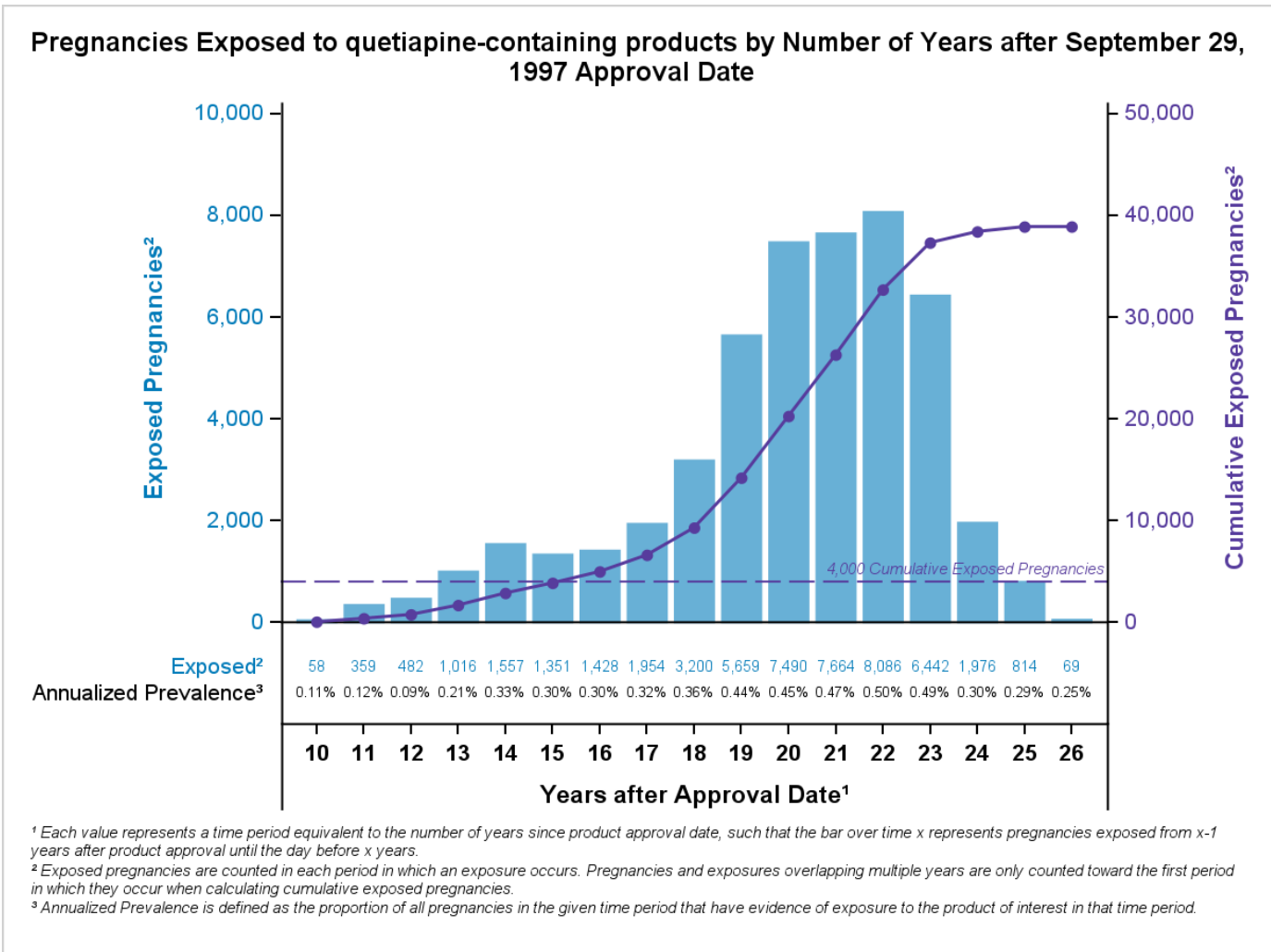


Figure 44. Pregnancies Exposed to Remdesivir (Veklury only)* by Number of Years After October 22, 2020 Approval Date
Figure 44 not generated because no exposed pregnancies were identified.

Figure 45. Pregnancies Exposed to Risperidone-Containing Products by Number of Years After December 29, 1993 Approval Date

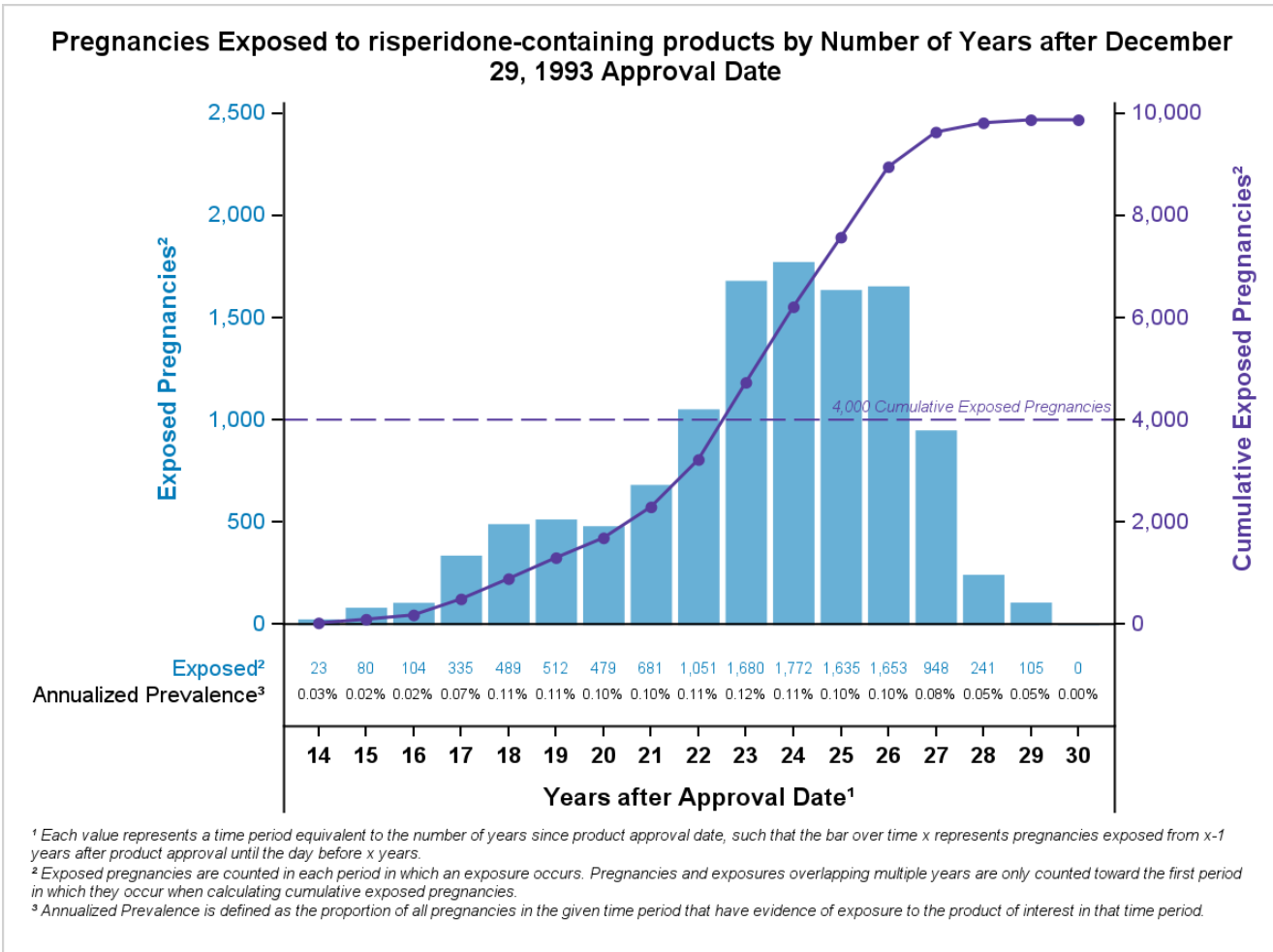


Figure 46a. Pregnancies Exposed to Semaglutide (Wegovy only) by Number of Years After June 4, 2021 Approval Date

Figure 46a not generated due to CMS small cell suppression policies.

Figure 46b. Pregnancies Exposed to Semaglutide (Ozempic only) by Number of Years After December 5, 2017 Approval Date

Figure 46b not generated due to CMS small cell suppression policies.

Figure 46c. Pregnancies Exposed to Semaglutide (except Wegovy and Ozempic) by Number of Years After September 20, 2019 Approval Date

Figure 46c not generated due to CMS small cell suppression policies.

Figure 47. Pregnancies Exposed to Sertraline-Containing Products by Number of Years After December 30, 1991 Approval Date

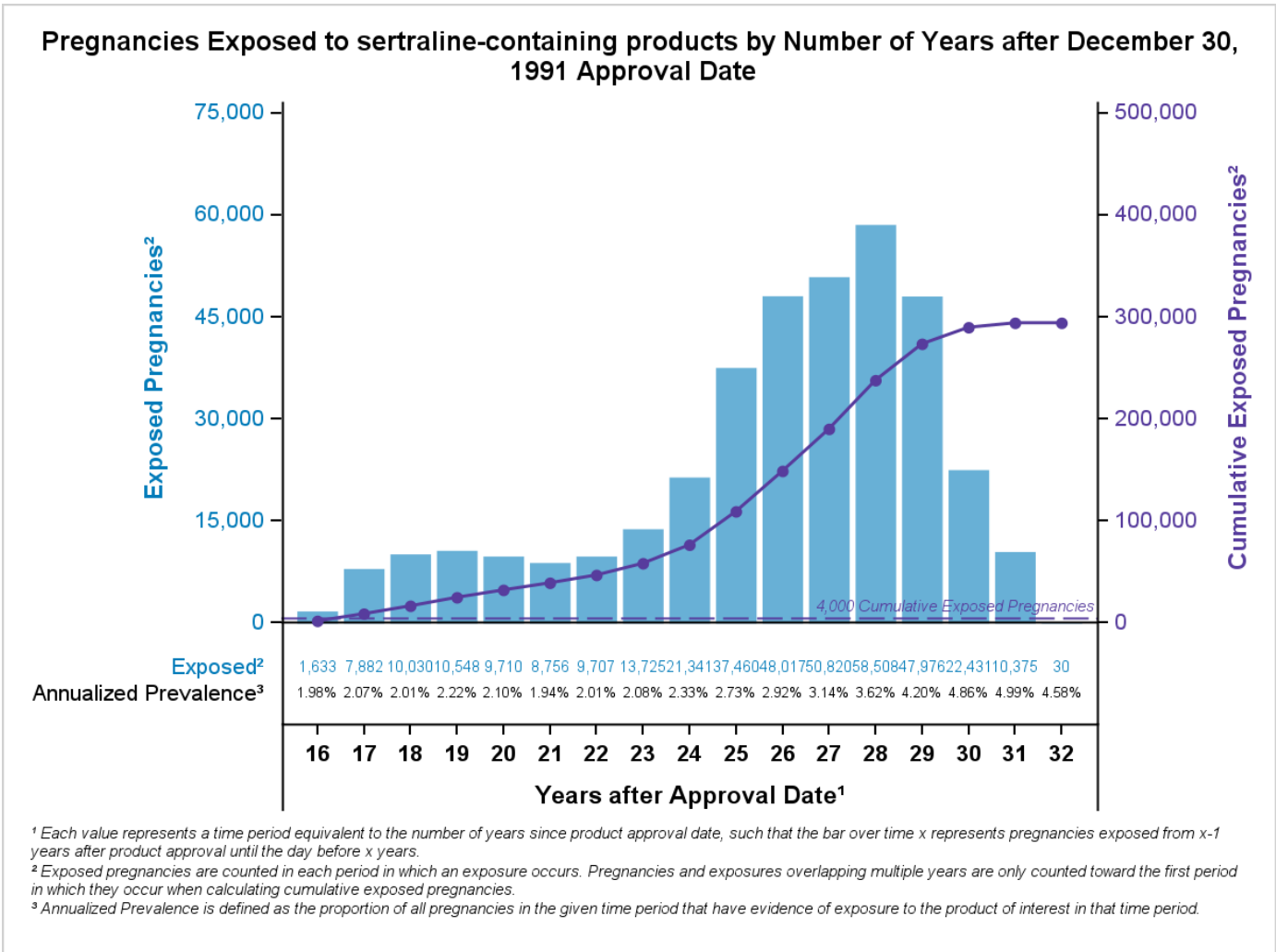


Figure 48. Pregnancies Exposed to Sitagliptin-Containing Products by Number of Years After October 16, 2006 Approval Date

Figure 48 not generated due to CMS small cell suppression policies.

Figure 49. Pregnancies Exposed to Sumatriptan-Containing Products by Number of Years After December 28, 1992 Approval Date

Figure 49 not generated due to CMS small cell suppression policies.

Figure 50. Pregnancies Exposed to Trazodone-Containing Products by Number of Years After September 30, 1990 Approval Date

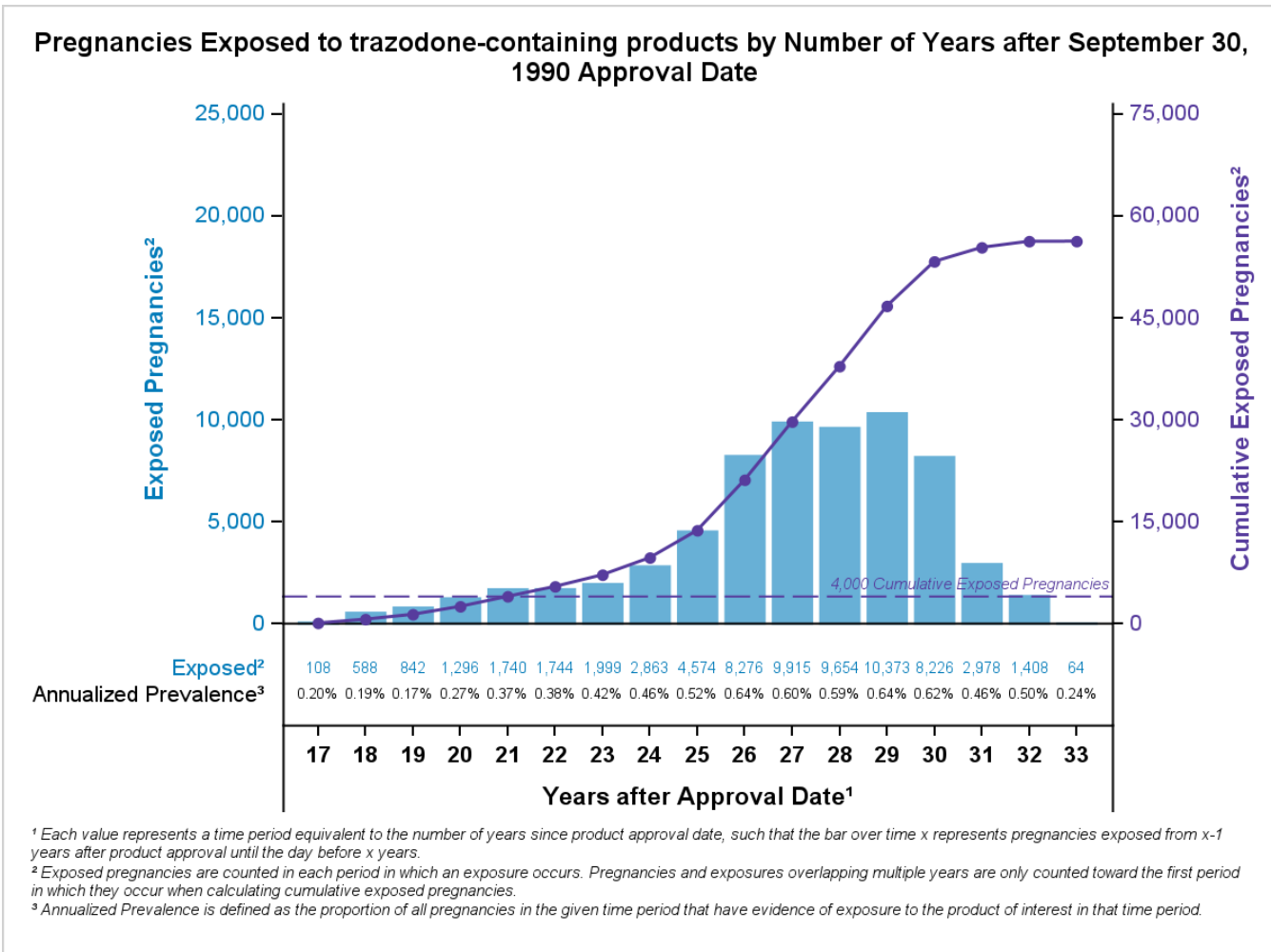


Figure 51. Pregnancies Exposed to Ulipristal (Ella only)* by Number of Years After August 13, 2010 Approval Date
Figure 51 not generated due to CMS small cell suppression policies.

Figure 52. Pregnancies Exposed to Ustekinumab (Stelara only)* by Number of Years After September 25, 2009 Approval Date

Figure 52 not generated due to CMS small cell suppression policies.

Figure 53a. Pregnancies Exposed to Varenicline (Chantix equivalents only) by Number of Years After August 11, 2021 Approval Date

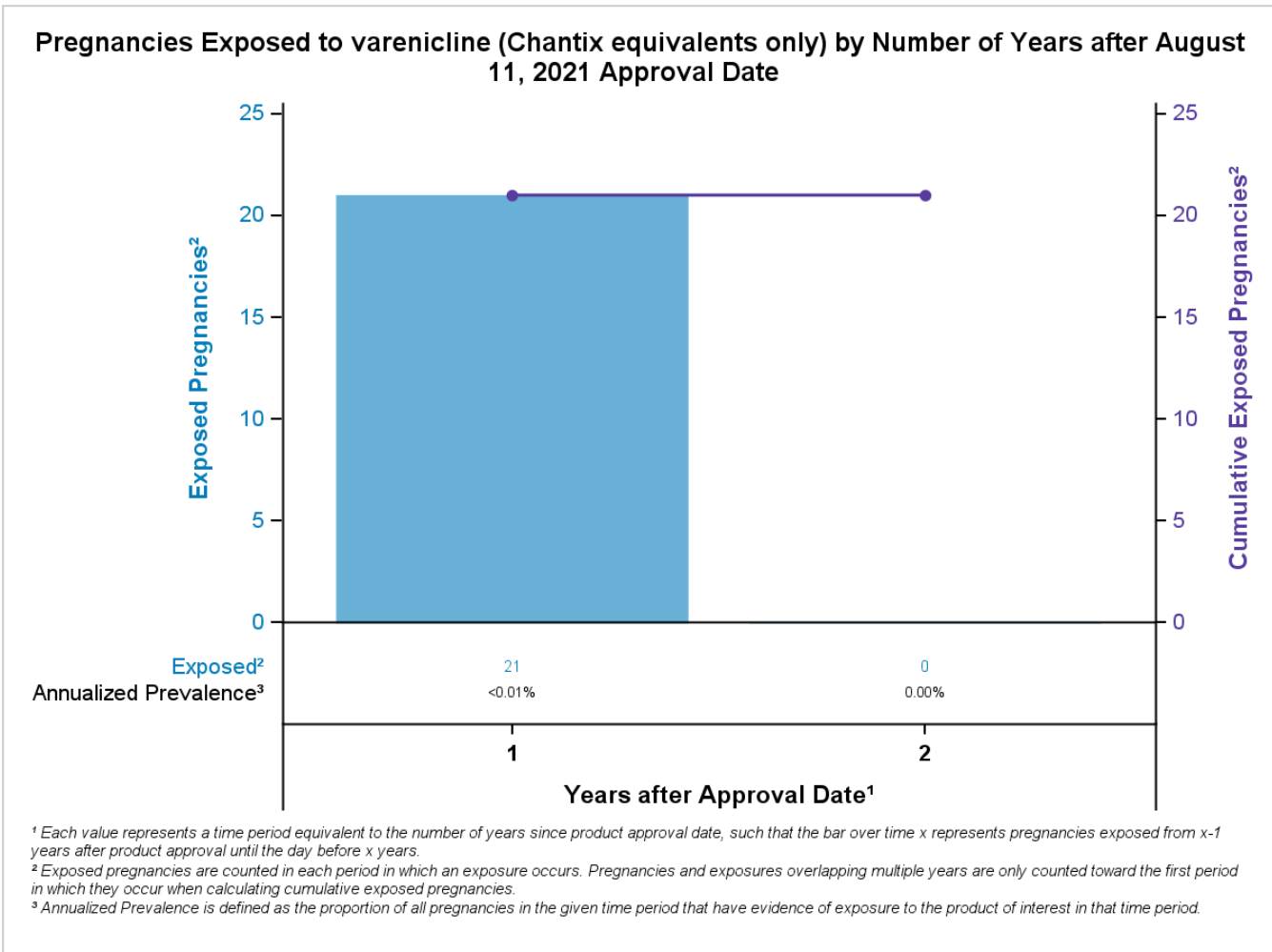


Figure 53b. Pregnancies Exposed to Varenicline-Containing Products (except Chantix and equivalents) by Number of Years After October 15, 2021 Approval Date

Figure 53b not generated due to CMS small cell suppression policies.

Figure 53c. Pregnancies Exposed to Varenicline (Chantix only) by Number of Years After May 10, 2006 Approval Date

Figure 53c not generated due to CMS small cell suppression policies.

Figure 54. Pregnancies Exposed to Venlafaxine-Containing Products by Number of Years After December 28, 1993 Approval Date

Figure 54 not generated due to CMS small cell suppression policies.

Figure 55. Pregnancies Exposed to Zolpidem-Containing Products by Number of Years After December 16, 1992 Approval Date

Figure 55 not generated due to CMS small cell suppression policies.

Appendix A. Dates of Available Data for Each Data Partner (DP) as of Request Distribution Date (August 4, 2023)

Masked DP ID ¹	DP Start Date	DP End Date ¹
DP01	01/01/2008	08/31/2022
DP02	01/01/2010	12/31/2022
DP03	01/01/2014	12/31/2020
DP04	01/01/2007	01/31/2023
DP05	01/01/2008	12/31/2022
DP06	01/01/2006	10/31/2022

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

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

Code	Description	Code Category	Code Type
Live birth delivery			
0W8NXZZ	Division of Female Perineum, External Approach	Procedure	ICD-10-PCS
10900ZC	Drainage of Amniotic Fluid, Therapeutic from Products of Conception, Open Approach	Procedure	ICD-10-PCS
10903ZC	Drainage of Amniotic Fluid, Therapeutic from Products of Conception, Percutaneous Approach	Procedure	ICD-10-PCS
10904ZC	Drainage of Amniotic Fluid, Therapeutic from Products of Conception, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
10907ZC	Drainage of Amniotic Fluid, Therapeutic from Products of Conception, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
10908ZC	Drainage of Amniotic Fluid, Therapeutic from Products of Conception, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
10D00Z0	Extraction of Products of Conception, Classical, Open Approach	Procedure	ICD-10-PCS
10D00Z1	Extraction of Products of Conception, Low Cervical, Open Approach	Procedure	ICD-10-PCS
10D00Z2	Extraction of Products of Conception, Extraperitoneal, Open Approach	Procedure	ICD-10-PCS
10D07Z3	Extraction of Products of Conception, Low Forceps, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
10D07Z4	Extraction of Products of Conception, Mid Forceps, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
10D07Z5	Extraction of Products of Conception, High Forceps, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
10D07Z6	Extraction of Products of Conception, Vacuum, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
10D07Z7	Extraction of Products of Conception, Internal Version, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
10D07Z8	Extraction of Products of Conception, Other, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
10E0XZZ	Delivery of Products of Conception, External Approach	Procedure	ICD-10-PCS
10S07ZZ	Reposition Products of Conception, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
59400	Routine obstetric care including antepartum care, vaginal delivery (with or without episiotomy, and/or forceps) and postpartum care	Procedure	CPT-4
59409	Vaginal delivery only (with or without episiotomy and/or forceps);	Procedure	CPT-4
59410	Vaginal delivery only (with or without episiotomy and/or forceps); including postpartum care	Procedure	CPT-4
59510	Routine obstetric care including antepartum care, cesarean delivery, and postpartum care	Procedure	CPT-4
59514	Cesarean delivery only;	Procedure	CPT-4
59515	Cesarean delivery only; including postpartum care	Procedure	CPT-4

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

Code	Description	Code Category	Code Type
59610	Routine obstetric care including antepartum care, vaginal delivery (with or without episiotomy, and/or forceps) and postpartum care, after previous cesarean delivery	Procedure	CPT-4
59612	Vaginal delivery only, after previous cesarean delivery (with or without episiotomy and/or forceps);	Procedure	CPT-4
59614	Vaginal delivery only, after previous cesarean delivery (with or without episiotomy and/or forceps); including postpartum care	Procedure	CPT-4
59618	Routine obstetric care including antepartum care, cesarean delivery, and postpartum care, following attempted vaginal delivery after previous cesarean delivery	Procedure	CPT-4
59620	Cesarean delivery only, following attempted vaginal delivery after previous cesarean delivery;	Procedure	CPT-4
59622	Cesarean delivery only, following attempted vaginal delivery after previous cesarean delivery; including postpartum care	Procedure	CPT-4
64101	Placenta previa without hemorrhage, with delivery	Diagnosis	ICD-9-CM
64111	Hemorrhage from placenta previa, with delivery	Diagnosis	ICD-9-CM
64121	Premature separation of placenta, with delivery	Diagnosis	ICD-9-CM
64131	Antepartum hemorrhage associated with coagulation defects, with delivery	Diagnosis	ICD-9-CM
64181	Other antepartum hemorrhage, with delivery	Diagnosis	ICD-9-CM
64191	Unspecified antepartum hemorrhage, with delivery	Diagnosis	ICD-9-CM
64201	Benign essential hypertension with delivery	Diagnosis	ICD-9-CM
64202	Benign essential hypertension, with delivery, with current postpartum complication	Diagnosis	ICD-9-CM
64211	Hypertension secondary to renal disease, with delivery	Diagnosis	ICD-9-CM
64212	Hypertension secondary to renal disease, with delivery, with current postpartum complication	Diagnosis	ICD-9-CM
64221	Other pre-existing hypertension, with delivery	Diagnosis	ICD-9-CM
64222	Other pre-existing hypertension, with delivery, with current postpartum complication	Diagnosis	ICD-9-CM
64231	Transient hypertension of pregnancy, with delivery	Diagnosis	ICD-9-CM
64232	Transient hypertension of pregnancy, with delivery, with current postpartum complication	Diagnosis	ICD-9-CM
64241	Mild or unspecified pre-eclampsia, with delivery	Diagnosis	ICD-9-CM
64242	Mild or unspecified pre-eclampsia, with delivery, with current postpartum complication	Diagnosis	ICD-9-CM
64251	Severe pre-eclampsia, with delivery	Diagnosis	ICD-9-CM
64252	Severe pre-eclampsia, with delivery, with current postpartum complication	Diagnosis	ICD-9-CM
64261	Eclampsia, with delivery	Diagnosis	ICD-9-CM

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

Code	Description	Code Category	Code Type
64262	Eclampsia, with delivery, with current postpartum complication	Diagnosis	ICD-9-CM
64271	Pre-eclampsia or eclampsia superimposed on pre-existing hypertension, with delivery	Diagnosis	ICD-9-CM
64272	Pre-eclampsia or eclampsia superimposed on pre-existing hypertension, with delivery, with current postpartum complication	Diagnosis	ICD-9-CM
64291	Unspecified hypertension, with delivery	Diagnosis	ICD-9-CM
64292	Unspecified hypertension, with delivery, with current postpartum complication	Diagnosis	ICD-9-CM
64301	Mild hyperemesis gravidarum, delivered	Diagnosis	ICD-9-CM
64311	Hyperemesis gravidarum with metabolic disturbance, delivered	Diagnosis	ICD-9-CM
64321	Late vomiting of pregnancy, delivered	Diagnosis	ICD-9-CM
64381	Other vomiting complicating pregnancy, delivered	Diagnosis	ICD-9-CM
64391	Unspecified vomiting of pregnancy, delivered	Diagnosis	ICD-9-CM
64421	Early onset of delivery, delivered, with or without mention of antepartum condition	Diagnosis	ICD-9-CM
64501	Prolonged pregnancy, with delivery	Diagnosis	ICD-9-CM
64511	Post term pregnancy, delivered, with or without mention of antepartum condition	Diagnosis	ICD-9-CM
64521	Prolonged pregnancy, delivered, with or without mention of antepartum condition	Diagnosis	ICD-9-CM
64522		Diagnosis	ICD-9-CM
64601	Papyraceous fetus, delivered, with or without mention of antepartum condition	Diagnosis	ICD-9-CM
64611	Edema or excessive weight gain in pregnancy, with delivery, with or without mention of antepartum complication	Diagnosis	ICD-9-CM
64612	Edema or excessive weight gain in pregnancy, with delivery, with current postpartum complication	Diagnosis	ICD-9-CM
64621	Unspecified renal disease in pregnancy, with delivery	Diagnosis	ICD-9-CM
64622	Unspecified renal disease in pregnancy, with delivery, with current postpartum complication	Diagnosis	ICD-9-CM
64631	Pregnancy complication, recurrent pregnancy loss, with or without mention of antepartum condition	Diagnosis	ICD-9-CM
64641	Peripheral neuritis in pregnancy, with delivery	Diagnosis	ICD-9-CM
64642	Peripheral neuritis in pregnancy, with delivery, with current postpartum complication	Diagnosis	ICD-9-CM
64651	Asymptomatic bacteriuria in pregnancy, with delivery	Diagnosis	ICD-9-CM
64652	Asymptomatic bacteriuria in pregnancy, with delivery, with current postpartum complication	Diagnosis	ICD-9-CM
64661	Infections of genitourinary tract in pregnancy, with delivery	Diagnosis	ICD-9-CM

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

Code	Description	Code Category	Code Type
64662	Infections of genitourinary tract in pregnancy, with delivery, with current postpartum complication	Diagnosis	ICD-9-CM
64671	Liver and biliary tract disorders in pregnancy, delivered, with or without mention of antepartum condition	Diagnosis	ICD-9-CM
64681	Other specified complication of pregnancy, with delivery	Diagnosis	ICD-9-CM
64682	Other specified complications of pregnancy, with delivery, with current postpartum complication	Diagnosis	ICD-9-CM
64691	Unspecified complication of pregnancy, with delivery	Diagnosis	ICD-9-CM
64701	Maternal syphilis, complicating pregnancy, with delivery	Diagnosis	ICD-9-CM
64702	Maternal syphilis, complicating pregnancy, with delivery, with current postpartum complication	Diagnosis	ICD-9-CM
64711	Maternal gonorrhea with delivery	Diagnosis	ICD-9-CM
64712	Maternal gonorrhea, with delivery, with current postpartum complication	Diagnosis	ICD-9-CM
64721	Other maternal venereal diseases with delivery	Diagnosis	ICD-9-CM
64722	Other maternal venereal diseases with delivery, with current postpartum complication	Diagnosis	ICD-9-CM
64731	Maternal tuberculosis with delivery	Diagnosis	ICD-9-CM
64732	Maternal tuberculosis with delivery, with current postpartum complication	Diagnosis	ICD-9-CM
64741	Maternal malaria with delivery	Diagnosis	ICD-9-CM
64742	Maternal malaria with delivery, with current postpartum complication	Diagnosis	ICD-9-CM
64751	Maternal rubella with delivery	Diagnosis	ICD-9-CM
64752	Maternal rubella with delivery, with current postpartum complication	Diagnosis	ICD-9-CM
64761	Other maternal viral disease with delivery	Diagnosis	ICD-9-CM
64762	Other maternal viral disease with delivery, with current postpartum complication	Diagnosis	ICD-9-CM
64781	Other specified maternal infectious and parasitic disease with delivery	Diagnosis	ICD-9-CM
64782	Other specified maternal infectious and parasitic disease with delivery, with current postpartum complication	Diagnosis	ICD-9-CM
64791	Unspecified maternal infection or infestation with delivery	Diagnosis	ICD-9-CM
64792	Unspecified maternal infection or infestation with delivery, with current postpartum complication	Diagnosis	ICD-9-CM
64801	Maternal diabetes mellitus with delivery	Diagnosis	ICD-9-CM
64802	Maternal diabetes mellitus with delivery, with current postpartum complication	Diagnosis	ICD-9-CM

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

Code	Description	Code Category	Code Type
64811	Maternal thyroid dysfunction with delivery, with or without mention of antepartum condition	Diagnosis	ICD-9-CM
64812	Maternal thyroid dysfunction with delivery, with current postpartum complication	Diagnosis	ICD-9-CM
64821	Maternal anemia, with delivery	Diagnosis	ICD-9-CM
64822	Maternal anemia with delivery, with current postpartum complication	Diagnosis	ICD-9-CM
64831	Maternal drug dependence, with delivery	Diagnosis	ICD-9-CM
64832	Maternal drug dependence, with delivery, with current postpartum complication	Diagnosis	ICD-9-CM
64841	Maternal mental disorders, with delivery	Diagnosis	ICD-9-CM
64842	Maternal mental disorders, with delivery, with current postpartum complication	Diagnosis	ICD-9-CM
64851	Maternal congenital cardiovascular disorders, with delivery	Diagnosis	ICD-9-CM
64852	Maternal congenital cardiovascular disorders, with delivery, with current postpartum complication	Diagnosis	ICD-9-CM
64861	Other maternal cardiovascular diseases, with delivery	Diagnosis	ICD-9-CM
64862	Other maternal cardiovascular diseases, with delivery, with current postpartum complication	Diagnosis	ICD-9-CM
64871	Bone and joint disorders of maternal back, pelvis, and lower limbs, with delivery	Diagnosis	ICD-9-CM
64872	Bone and joint disorders of maternal back, pelvis, and lower limbs, with delivery, with current postpartum complication	Diagnosis	ICD-9-CM
64881	Abnormal maternal glucose tolerance, with delivery	Diagnosis	ICD-9-CM
64882	Abnormal maternal glucose tolerance, with delivery, with current postpartum complication	Diagnosis	ICD-9-CM
64891	Other current maternal conditions classifiable elsewhere, with delivery	Diagnosis	ICD-9-CM
64892	Other current maternal conditions classifiable elsewhere, with delivery, with current postpartum complication	Diagnosis	ICD-9-CM
64901	Tobacco use disorder complicating pregnancy, childbirth, or the puerperium, delivered, with or without mention of antepartum condition	Diagnosis	ICD-9-CM
64902	Tobacco use disorder complicating pregnancy, childbirth, or the puerperium, delivered, with mention of postpartum complication	Diagnosis	ICD-9-CM
64911	Obesity complicating pregnancy, childbirth, or the puerperium, delivered, with or without mention of antepartum condition	Diagnosis	ICD-9-CM
64912	Obesity complicating pregnancy, childbirth, or the puerperium, delivered, with mention of postpartum complication	Diagnosis	ICD-9-CM

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

Code	Description	Code Category	Code Type
64921	Bariatric surgery status complicating pregnancy, childbirth, or the puerperium, delivered, with or without mention of antepartum condition	Diagnosis	ICD-9-CM
64922	Bariatric surgery status complicating pregnancy, childbirth, or the puerperium, delivered, with mention of postpartum complication	Diagnosis	ICD-9-CM
64931	Coagulation defects complicating pregnancy, childbirth, or the puerperium, delivered, with or without mention of antepartum condition	Diagnosis	ICD-9-CM
64932	Coagulation defects complicating pregnancy, childbirth, or the puerperium, delivered, with mention of postpartum complication	Diagnosis	ICD-9-CM
64941	Epilepsy complicating pregnancy, childbirth, or the puerperium, delivered, with or without mention of antepartum condition	Diagnosis	ICD-9-CM
64942	Epilepsy complicating pregnancy, childbirth, or the puerperium, delivered, with mention of postpartum complication	Diagnosis	ICD-9-CM
64951	Spotting complicating pregnancy, delivered, with or without mention of antepartum condition	Diagnosis	ICD-9-CM
64961	Uterine size date discrepancy, delivered, with or without mention of antepartum condition	Diagnosis	ICD-9-CM
64962	Uterine size date discrepancy, delivered, with mention of postpartum complication	Diagnosis	ICD-9-CM
64971	Cervical shortening, delivered, with or without mention of antepartum condition	Diagnosis	ICD-9-CM
64981	Onset (spontaneous) of labor after 37 completed weeks of gestation but before 39 completed weeks gestation, with delivery by (planned) cesarean section, delivered, with or without mention of antepartum condition	Diagnosis	ICD-9-CM
64982	Onset (spontaneous) of labor after 37 completed weeks of gestation but before 39 completed weeks gestation, with delivery by (planned) cesarean section, delivered, with mention of postpartum complication	Diagnosis	ICD-9-CM
650	Normal delivery	Diagnosis	ICD-9-CM
65101	Twin pregnancy, delivered	Diagnosis	ICD-9-CM
65111	Triplet pregnancy, delivered	Diagnosis	ICD-9-CM
65121	Quadruplet pregnancy, delivered	Diagnosis	ICD-9-CM
65131	Twin pregnancy with fetal loss and retention of one fetus, delivered	Diagnosis	ICD-9-CM
65141	Triplet pregnancy with fetal loss and retention of one or more, delivered	Diagnosis	ICD-9-CM
65151	Quadruplet pregnancy with fetal loss and retention of one or more, delivered	Diagnosis	ICD-9-CM

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

Code	Description	Code Category	Code Type
65161	Other multiple pregnancy with fetal loss and retention of one or more fetus(es), delivered	Diagnosis	ICD-9-CM
65171	Multiple gestation following (elective) fetal reduction, delivered, with or without mention of antepartum condition	Diagnosis	ICD-9-CM
65181	Other specified multiple gestation, delivered	Diagnosis	ICD-9-CM
65191	Unspecified multiple gestation, delivered	Diagnosis	ICD-9-CM
65201	Unstable lie of fetus, delivered	Diagnosis	ICD-9-CM
65211	Breech or other malpresentation successfully converted to cephalic presentation, delivered	Diagnosis	ICD-9-CM
65221	Breech presentation without mention of version, delivered	Diagnosis	ICD-9-CM
65231	Transverse or oblique fetal presentation, delivered	Diagnosis	ICD-9-CM
65241	Fetal face or brow presentation, delivered	Diagnosis	ICD-9-CM
65251	High fetal head at term, delivered	Diagnosis	ICD-9-CM
65261	Multiple gestation with malpresentation of one fetus or more, delivered	Diagnosis	ICD-9-CM
65271	Prolapsed arm of fetus, delivered	Diagnosis	ICD-9-CM
65281	Other specified malposition or malpresentation of fetus, delivered	Diagnosis	ICD-9-CM
65291	Unspecified malposition or malpresentation of fetus, delivered	Diagnosis	ICD-9-CM
65301	Major abnormality of bony pelvis, not further specified, delivered	Diagnosis	ICD-9-CM
65311	Generally contracted pelvis in pregnancy, delivered	Diagnosis	ICD-9-CM
65321	Inlet contraction of pelvis in pregnancy, delivered	Diagnosis	ICD-9-CM
65331	Outlet contraction of pelvis in pregnancy, delivered	Diagnosis	ICD-9-CM
65341	Fetopelvic disproportion, delivered	Diagnosis	ICD-9-CM
65351	Unusually large fetus causing disproportion, delivered	Diagnosis	ICD-9-CM
65361	Hydrocephalic fetus causing disproportion, delivered	Diagnosis	ICD-9-CM
65371	Other fetal abnormality causing disproportion, delivered	Diagnosis	ICD-9-CM
65381	Fetal disproportion of other origin, delivered	Diagnosis	ICD-9-CM
65391	Unspecified fetal disproportion, delivered	Diagnosis	ICD-9-CM
65401	Congenital abnormalities of pregnant uterus, delivered	Diagnosis	ICD-9-CM
65402	Congenital abnormalities of pregnant uterus, delivered, with mention of postpartum complication	Diagnosis	ICD-9-CM
65411	Tumors of body of uterus, delivered	Diagnosis	ICD-9-CM
65412	Tumors of body of uterus, delivered, with mention of postpartum complication	Diagnosis	ICD-9-CM
65421	Previous cesarean delivery, delivered, with or without mention of antepartum condition	Diagnosis	ICD-9-CM
65431	Retroverted and incarcerated gravid uterus, delivered	Diagnosis	ICD-9-CM
65432	Retroverted and incarcerated gravid uterus, delivered, with mention of postpartum complication	Diagnosis	ICD-9-CM

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

Code	Description	Code Category	Code Type
65441	Other abnormalities in shape or position of gravid uterus and of neighboring structures, delivered	Diagnosis	ICD-9-CM
65442	Other abnormalities in shape or position of gravid uterus and of neighboring structures, delivered, with mention of postpartum complication	Diagnosis	ICD-9-CM
65451	Cervical incompetence, delivered	Diagnosis	ICD-9-CM
65452	Cervical incompetence, delivered, with mention of postpartum complication	Diagnosis	ICD-9-CM
65461	Other congenital or acquired abnormality of cervix, with delivery	Diagnosis	ICD-9-CM
65462	Other congenital or acquired abnormality of cervix, delivered, with mention of postpartum complication	Diagnosis	ICD-9-CM
65471	Congenital or acquired abnormality of vagina, with delivery	Diagnosis	ICD-9-CM
65472	Congenital or acquired abnormality of vagina, delivered, with mention of postpartum complication	Diagnosis	ICD-9-CM
65481	Congenital or acquired abnormality of vulva, with delivery	Diagnosis	ICD-9-CM
65482	Congenital or acquired abnormality of vulva, delivered, with mention of postpartum complication	Diagnosis	ICD-9-CM
65491	Other and unspecified abnormality of organs and soft tissues of pelvis, with delivery	Diagnosis	ICD-9-CM
65492	Other and unspecified abnormality of organs and soft tissues of pelvis, delivered, with mention of postpartum complication	Diagnosis	ICD-9-CM
65501	Central nervous system malformation in fetus, with delivery	Diagnosis	ICD-9-CM
65511	Chromosomal abnormality in fetus, affecting management of mother, with delivery	Diagnosis	ICD-9-CM
65521	Hereditary disease in family possibly affecting fetus, affecting management of mother, with delivery	Diagnosis	ICD-9-CM
65531	Suspected damage to fetus from viral disease in mother, affecting management of mother, with delivery	Diagnosis	ICD-9-CM
65541	Suspected damage to fetus from other disease in mother, affecting management of mother, with delivery	Diagnosis	ICD-9-CM
65551	Suspected damage to fetus from drugs, affecting management of mother, delivered	Diagnosis	ICD-9-CM
65561	Suspected damage to fetus from radiation, affecting management of mother, delivered	Diagnosis	ICD-9-CM
65571	Decreased fetal movements, affecting management of mother, delivered	Diagnosis	ICD-9-CM
65581	Other known or suspected fetal abnormality, not elsewhere classified, affecting management of mother, delivery	Diagnosis	ICD-9-CM
65591	Unspecified fetal abnormality affecting management of mother, delivery	Diagnosis	ICD-9-CM

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

Code	Description	Code Category	Code Type
65601	Fetal-maternal hemorrhage, with delivery	Diagnosis	ICD-9-CM
65611	Rhesus isoimmunization affecting management of mother, delivered	Diagnosis	ICD-9-CM
65621	Isoimmunization from other and unspecified blood-group incompatibility, affecting management of mother, delivered	Diagnosis	ICD-9-CM
65631	Fetal distress affecting management of mother, delivered	Diagnosis	ICD-9-CM
65641	Intrauterine death affecting management of mother, delivered	Diagnosis	ICD-9-CM
65651	Poor fetal growth, affecting management of mother, delivered	Diagnosis	ICD-9-CM
65661	Excessive fetal growth affecting management of mother, delivered	Diagnosis	ICD-9-CM
65671	Other placental conditions affecting management of mother, delivered	Diagnosis	ICD-9-CM
65681	Other specified fetal and placental problems affecting management of mother, delivered	Diagnosis	ICD-9-CM
65691	Unspecified fetal and placental problem affecting management of mother, delivered	Diagnosis	ICD-9-CM
65701	Polyhydramnios, with delivery	Diagnosis	ICD-9-CM
65801	Oligohydramnios, delivered	Diagnosis	ICD-9-CM
65811	Premature rupture of membranes in pregnancy, delivered	Diagnosis	ICD-9-CM
65821	Delayed delivery after spontaneous or unspecified rupture of membranes, delivered	Diagnosis	ICD-9-CM
65831	Delayed delivery after artificial rupture of membranes, delivered	Diagnosis	ICD-9-CM
65841	Infection of amniotic cavity, delivered	Diagnosis	ICD-9-CM
65881	Other problem associated with amniotic cavity and membranes, delivered	Diagnosis	ICD-9-CM
65891	Unspecified problem associated with amniotic cavity and membranes, delivered	Diagnosis	ICD-9-CM
65901	Failed mechanical induction of labor, delivered	Diagnosis	ICD-9-CM
65911	Failed medical or unspecified induction of labor, delivered	Diagnosis	ICD-9-CM
65921	Unspecified maternal pyrexia during labor, delivered	Diagnosis	ICD-9-CM
65931	Generalized infection during labor, delivered	Diagnosis	ICD-9-CM
65941	Grand multiparity, delivered, with or without mention of antepartum condition	Diagnosis	ICD-9-CM
65951	Elderly primigravida, delivered	Diagnosis	ICD-9-CM
65961	Elderly multigravida, delivered, with mention of antepartum condition	Diagnosis	ICD-9-CM
65971	Abnormality in fetal heart rate or rhythm, delivered, with or without mention of antepartum condition	Diagnosis	ICD-9-CM
65981	Other specified indication for care or intervention related to labor and delivery, delivered	Diagnosis	ICD-9-CM

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

Code	Description	Code Category	Code Type
65991	Unspecified indication for care or intervention related to labor and delivery, delivered	Diagnosis	ICD-9-CM
66001	Obstruction caused by malposition of fetus at onset of labor, delivered	Diagnosis	ICD-9-CM
66011	Obstruction by bony pelvis during labor and delivery, delivered	Diagnosis	ICD-9-CM
66021	Obstruction by abnormal pelvic soft tissues during labor and delivery, delivered	Diagnosis	ICD-9-CM
66031	Deep transverse arrest and persistent occipitoposterior position during labor and deliver, delivered	Diagnosis	ICD-9-CM
66041	Shoulder (girdle) dystocia during labor and deliver, delivered	Diagnosis	ICD-9-CM
66051	Locked twins, delivered	Diagnosis	ICD-9-CM
66061	Unspecified failed trial of labor, delivered	Diagnosis	ICD-9-CM
66071	Unspecified failed forceps or vacuum extractor, delivered	Diagnosis	ICD-9-CM
66081	Other causes of obstructed labor, delivered	Diagnosis	ICD-9-CM
66091	Unspecified obstructed labor, with delivery	Diagnosis	ICD-9-CM
66101	Primary uterine inertia, with delivery	Diagnosis	ICD-9-CM
66111	Secondary uterine inertia, with delivery	Diagnosis	ICD-9-CM
66121	Other and unspecified uterine inertia, with delivery	Diagnosis	ICD-9-CM
66131	Precipitate labor, with delivery	Diagnosis	ICD-9-CM
66141	Hypertonic, incoordinate, or prolonged uterine contractions, with delivery	Diagnosis	ICD-9-CM
66191	Unspecified abnormality of labor, with delivery	Diagnosis	ICD-9-CM
66201	Prolonged first stage of labor, delivered	Diagnosis	ICD-9-CM
66211	Unspecified prolonged labor, delivered	Diagnosis	ICD-9-CM
66221	Prolonged second stage of labor, delivered	Diagnosis	ICD-9-CM
66231	Delayed delivery of second twin, triplet, etc., delivered	Diagnosis	ICD-9-CM
66301	Prolapse of cord, complicating labor and delivery, delivered	Diagnosis	ICD-9-CM
66311	Cord around neck, with compression, complicating labor and delivery, delivered	Diagnosis	ICD-9-CM
66321	Other and unspecified cord entanglement, with compression, complicating labor and delivery, delivered	Diagnosis	ICD-9-CM
66331	Other and unspecified cord entanglement, without mention of compression, complicating labor and delivery, delivered	Diagnosis	ICD-9-CM
66341	Short cord complicating labor and delivery, delivered	Diagnosis	ICD-9-CM
66351	Vasa previa complicating labor and delivery, delivered	Diagnosis	ICD-9-CM
66361	Vascular lesions of cord complicating labor and delivery, delivered	Diagnosis	ICD-9-CM
66381	Other umbilical cord complications during labor and delivery, delivered	Diagnosis	ICD-9-CM
66391	Unspecified umbilical cord complication during labor and delivery, delivered	Diagnosis	ICD-9-CM

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

Code	Description	Code Category	Code Type
66401	First-degree perineal laceration, with delivery	Diagnosis	ICD-9-CM
66411	Second-degree perineal laceration, with delivery	Diagnosis	ICD-9-CM
66421	Third-degree perineal laceration, with delivery	Diagnosis	ICD-9-CM
66431	Fourth-degree perineal laceration, with delivery	Diagnosis	ICD-9-CM
66441	Unspecified perineal laceration, with delivery	Diagnosis	ICD-9-CM
66451	Vulvar and perineal hematoma, with delivery	Diagnosis	ICD-9-CM
66461	Anal sphincter tear complicating delivery, not associated with third-degree perineal laceration, delivered, with or without mention of antepartum condition	Diagnosis	ICD-9-CM
66481	Other specified trauma to perineum and vulva, with delivery	Diagnosis	ICD-9-CM
66491	Unspecified trauma to perineum and vulva, with delivery	Diagnosis	ICD-9-CM
66501	Rupture of uterus before onset of labor, with delivery	Diagnosis	ICD-9-CM
66511	Rupture of uterus during labor, with delivery	Diagnosis	ICD-9-CM
66522	Inversion of uterus, delivered with postpartum complication	Diagnosis	ICD-9-CM
66531	Laceration of cervix, with delivery	Diagnosis	ICD-9-CM
66541	High vaginal laceration, with delivery	Diagnosis	ICD-9-CM
66551	Other injury to pelvic organs, with delivery	Diagnosis	ICD-9-CM
66561	Damage to pelvic joints and ligaments, with delivery	Diagnosis	ICD-9-CM
66571	Pelvic hematoma, with delivery	Diagnosis	ICD-9-CM
66572	Pelvic hematoma, delivered with postpartum complication	Diagnosis	ICD-9-CM
66581	Other specified obstetrical trauma, with delivery	Diagnosis	ICD-9-CM
66582	Other specified obstetrical trauma, delivered, with postpartum	Diagnosis	ICD-9-CM
66591	Unspecified obstetrical trauma, with delivery	Diagnosis	ICD-9-CM
66592	Unspecified obstetrical trauma, delivered, with postpartum complication	Diagnosis	ICD-9-CM
66602	Third-stage postpartum hemorrhage, with delivery	Diagnosis	ICD-9-CM
66612	Other immediate postpartum hemorrhage, with delivery	Diagnosis	ICD-9-CM
66622	Delayed and secondary postpartum hemorrhage, with delivery	Diagnosis	ICD-9-CM
66632	Postpartum coagulation defects, with delivery	Diagnosis	ICD-9-CM
66702	Retained placenta without hemorrhage, with delivery, with mention of postpartum complication	Diagnosis	ICD-9-CM
66712	Retained portions of placenta or membranes, without hemorrhage, delivered, with mention of postpartum complication	Diagnosis	ICD-9-CM
66801	Pulmonary complications of the administration of anesthesia or other sedation in labor and delivery, delivered	Diagnosis	ICD-9-CM
66802	Pulmonary complications of the administration of anesthesia or other sedation in labor and delivery, delivered, with mention of postpartum complication	Diagnosis	ICD-9-CM
66811	Cardiac complications of the administration of anesthesia or other sedation in labor and delivery, delivered	Diagnosis	ICD-9-CM

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

Code	Description	Code Category	Code Type
66812	Cardiac complications of the administration of anesthesia or other sedation in labor and delivery, delivered, with mention of postpartum complication	Diagnosis	ICD-9-CM
66821	Central nervous system complications of the administration of anesthesia or other sedation in labor and delivery, delivered	Diagnosis	ICD-9-CM
66822	Central nervous system complications of the administration of anesthesia or other sedation in labor and delivery, delivered, with mention of postpartum complication	Diagnosis	ICD-9-CM
66881	Other complications of the administration of anesthesia or other sedation in labor and delivery, delivered	Diagnosis	ICD-9-CM
66882	Other complications of the administration of anesthesia or other sedation in labor and delivery, delivered, with mention of postpartum complication	Diagnosis	ICD-9-CM
66891	Unspecified complication of the administration of anesthesia or other sedation in labor and delivery, delivered	Diagnosis	ICD-9-CM
66892	Unspecified complication of the administration of anesthesia or other sedation in labor and delivery, delivered, with mention of postpartum complication	Diagnosis	ICD-9-CM
66901	Maternal distress, with delivery, with or without mention of antepartum condition	Diagnosis	ICD-9-CM
66902	Maternal distress, with delivery, with mention of postpartum complication	Diagnosis	ICD-9-CM
66911	Shock during or following labor and delivery, with delivery, with or without mention of antepartum condition	Diagnosis	ICD-9-CM
66912	Shock during or following labor and delivery, with delivery, with mention of postpartum complication	Diagnosis	ICD-9-CM
66921	Maternal hypotension syndrome, with delivery, with or without mention of antepartum condition	Diagnosis	ICD-9-CM
66922	Maternal hypotension syndrome, with delivery, with mention of postpartum complication	Diagnosis	ICD-9-CM
66932	Acute kidney failure following labor and delivery, delivered, with mention of postpartum complication	Diagnosis	ICD-9-CM
66941	Other complications of obstetrical surgery and procedures, with delivery, with or without mention of antepartum condition	Diagnosis	ICD-9-CM
66942	Other complications of obstetrical surgery and procedures, with delivery, with mention of postpartum complication	Diagnosis	ICD-9-CM
66951	Forceps or vacuum extractor delivery without mention of indication, delivered, with or without mention of antepartum condition	Diagnosis	ICD-9-CM

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

Code	Description	Code Category	Code Type
66961	Breech extraction, without mention of indication, delivered, with or without mention of antepartum condition	Diagnosis	ICD-9-CM
66971	Cesarean delivery, without mention of indication, delivered, with or without mention of antepartum condition	Diagnosis	ICD-9-CM
66981	Other complication of labor and delivery, delivered, with or without mention of antepartum condition	Diagnosis	ICD-9-CM
66982	Other complication of labor and delivery, delivered, with mention of postpartum complication	Diagnosis	ICD-9-CM
66991	Unspecified complication of labor and delivery, with delivery, with or without mention of antepartum condition	Diagnosis	ICD-9-CM
66992	Unspecified complication of labor and delivery, with delivery, with mention of postpartum complication	Diagnosis	ICD-9-CM
67002	Major puerperal infection, unspecified, delivered, with mention of postpartum complication	Diagnosis	ICD-9-CM
67012	Puerperal endometritis, delivered, with mention of postpartum complication	Diagnosis	ICD-9-CM
67022	Puerperal sepsis, delivered, with mention of postpartum complication	Diagnosis	ICD-9-CM
67032	Puerperal septic thrombophlebitis, delivered, with mention of postpartum complication	Diagnosis	ICD-9-CM
67082	Other major puerperal infection, delivered, with mention of postpartum complication	Diagnosis	ICD-9-CM
67101	Varicose veins of legs, with delivery, with or without mention of antepartum condition	Diagnosis	ICD-9-CM
67102	Varicose veins of legs, with delivery, with mention of postpartum complication	Diagnosis	ICD-9-CM
67111	Varicose veins of vulva and perineum, with delivery, with or without mention of antepartum condition	Diagnosis	ICD-9-CM
67112	Varicose veins of vulva and perineum, with delivery, with mention of postpartum complication	Diagnosis	ICD-9-CM
67121	Superficial thrombophlebitis with delivery, with or without mention of antepartum condition	Diagnosis	ICD-9-CM
67122	Superficial thrombophlebitis with delivery, with mention of postpartum complication	Diagnosis	ICD-9-CM
67131	Deep phlebothrombosis, antepartum, with delivery	Diagnosis	ICD-9-CM
67142	Deep phlebothrombosis, postpartum, with delivery	Diagnosis	ICD-9-CM
67151	Other phlebitis and thrombosis with delivery, with or without mention of antepartum condition	Diagnosis	ICD-9-CM
67152	Other phlebitis and thrombosis with delivery, with mention of postpartum complication	Diagnosis	ICD-9-CM

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

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

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

Code	Description	Code Category	Code Type
67442	Placental polyp, with delivery, with mention of postpartum complication	Diagnosis	ICD-9-CM
67451	Peripartum cardiomyopathy, delivered, with or without mention of antepartum condition	Diagnosis	ICD-9-CM
67452	Peripartum cardiomyopathy, delivered, with mention of postpartum condition	Diagnosis	ICD-9-CM
67482	Other complication of puerperium, with delivery, with mention of postpartum complication	Diagnosis	ICD-9-CM
67492	Unspecified complications of puerperium, with delivery, with mention of postpartum complication	Diagnosis	ICD-9-CM
67501	Infection of nipple associated with childbirth, delivered, with or without mention of antepartum condition	Diagnosis	ICD-9-CM
67502	Infection of nipple associated with childbirth, delivered with mention of postpartum complication	Diagnosis	ICD-9-CM
67511	Abscess of breast associated with childbirth, delivered, with or without mention of antepartum condition	Diagnosis	ICD-9-CM
67512	Abscess of breast associated with childbirth, delivered, with mention of postpartum complication	Diagnosis	ICD-9-CM
67521	Nonpurulent mastitis, delivered, with or without mention of antepartum condition	Diagnosis	ICD-9-CM
67522	Nonpurulent mastitis, delivered, with mention of postpartum complication	Diagnosis	ICD-9-CM
67581	Other specified infection of the breast and nipple associated with childbirth, delivered, with or without mention of antepartum condition	Diagnosis	ICD-9-CM
67582	Other specified infection of the breast and nipple associated with childbirth, delivered, with mention of postpartum complication	Diagnosis	ICD-9-CM
67591	Unspecified infection of the breast and nipple, delivered, with or without mention of antepartum condition	Diagnosis	ICD-9-CM
67592	Unspecified infection of the breast and nipple, delivered, with mention of postpartum complication	Diagnosis	ICD-9-CM
67601	Retracted nipple, delivered, with or without mention of antepartum condition	Diagnosis	ICD-9-CM
67602	Retracted nipple, delivered, with mention of postpartum complication	Diagnosis	ICD-9-CM
67611	Cracked nipple, delivered, with or without mention of antepartum condition	Diagnosis	ICD-9-CM
67612	Cracked nipple, delivered, with mention of postpartum complication	Diagnosis	ICD-9-CM

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

Code	Description	Code Category	Code Type
67621	Engorgement of breasts, delivered, with or without mention of antepartum condition	Diagnosis	ICD-9-CM
67622	Engorgement of breasts, delivered, with mention of postpartum complication	Diagnosis	ICD-9-CM
67631	Other and unspecified disorder of breast associated with childbirth, delivered, with or without mention of antepartum condition	Diagnosis	ICD-9-CM
67632	Other and unspecified disorder of breast associated with childbirth, delivered, with mention of postpartum complication	Diagnosis	ICD-9-CM
67641	Failure of lactation, with delivery, with or without mention of antepartum condition	Diagnosis	ICD-9-CM
67642	Failure of lactation, with delivery, with mention of postpartum complication	Diagnosis	ICD-9-CM
67651	Suppressed lactation, with delivery, with or without mention of antepartum condition	Diagnosis	ICD-9-CM
67652	Suppressed lactation, with delivery, with mention of postpartum complication	Diagnosis	ICD-9-CM
67661	Galactorrhea, with delivery, with or without mention of antepartum condition	Diagnosis	ICD-9-CM
67662	Galactorrhea, with delivery, with mention of postpartum complication	Diagnosis	ICD-9-CM
67681	Other disorder of lactation, with delivery, with or without mention of antepartum condition	Diagnosis	ICD-9-CM
67682	Other disorder of lactation, with delivery, with mention of postpartum complication	Diagnosis	ICD-9-CM
67691	Unspecified disorder of lactation, with delivery, with or without mention of antepartum condition	Diagnosis	ICD-9-CM
67692	Unspecified disorder of lactation, with delivery, with mention of postpartum complication	Diagnosis	ICD-9-CM
67801	Fetal hematologic conditions, delivered, with or without mention of antepartum condition	Diagnosis	ICD-9-CM
67811	Fetal conjoined twins, delivered, with or without mention of antepartum condition	Diagnosis	ICD-9-CM
67901	Maternal complications from in utero procedure, delivered, with or without mention of antepartum condition	Diagnosis	ICD-9-CM
67902	Maternal complications from in utero procedure, delivered, with mention of postpartum complication	Diagnosis	ICD-9-CM
67911	Fetal complications from in utero procedure, delivered, with or without mention of antepartum condition	Diagnosis	ICD-9-CM
67912	Fetal complications from in utero procedure, delivered, with mention of postpartum complication	Diagnosis	ICD-9-CM

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

Code	Description	Code Category	Code Type
72	Forceps, vacuum, and breech delivery	Procedure	ICD-9-CM
720	Low forceps operation	Procedure	ICD-9-CM
721	Low forceps operation with episiotomy	Procedure	ICD-9-CM
722	Mid forceps operation	Procedure	ICD-9-CM
7221	Mid forceps operation with episiotomy	Procedure	ICD-9-CM
7229	Other mid forceps operation	Procedure	ICD-9-CM
723	High forceps operation	Procedure	ICD-9-CM
7231	High forceps operation with episiotomy	Procedure	ICD-9-CM
7239	Other high forceps operation	Procedure	ICD-9-CM
724	Forceps rotation of fetal head	Procedure	ICD-9-CM
725	Breech extraction	Procedure	ICD-9-CM
7251	Partial breech extraction with forceps to aftercoming head	Procedure	ICD-9-CM
7252	Other partial breech extraction	Procedure	ICD-9-CM
7253	Total breech extraction with forceps to aftercoming head	Procedure	ICD-9-CM
7254	Other total breech extraction	Procedure	ICD-9-CM
726	Forceps application to aftercoming head	Procedure	ICD-9-CM
727	Vacuum extraction	Procedure	ICD-9-CM
7271	Vacuum extraction with episiotomy	Procedure	ICD-9-CM
7279	Other vacuum extraction	Procedure	ICD-9-CM
728	Other specified instrumental delivery	Procedure	ICD-9-CM
729	Unspecified instrumental delivery	Procedure	ICD-9-CM
73	Other procedures inducing or assisting delivery	Procedure	ICD-9-CM
730	Artificial rupture of membranes	Procedure	ICD-9-CM
7301	Induction of labor by artificial rupture of membranes	Procedure	ICD-9-CM
7309	Other artificial rupture of membranes	Procedure	ICD-9-CM
731	Other surgical induction of labor	Procedure	ICD-9-CM
732	Internal and combined version and extraction	Procedure	ICD-9-CM
7321	Internal and combined version without extraction	Procedure	ICD-9-CM
7322	Internal and combined version with extraction	Procedure	ICD-9-CM
733	Failed forceps	Procedure	ICD-9-CM
734	Medical induction of labor	Procedure	ICD-9-CM
735	Manually assisted delivery	Procedure	ICD-9-CM
7351	Manual rotation of fetal head	Procedure	ICD-9-CM
7359	Other manually assisted delivery	Procedure	ICD-9-CM
736	Episiotomy	Procedure	ICD-9-CM
738	Operations on fetus to facilitate delivery	Procedure	ICD-9-CM
739	Other operations assisting delivery	Procedure	ICD-9-CM
7391	External version to assist delivery	Procedure	ICD-9-CM
7392	Replacement of prolapsed umbilical cord	Procedure	ICD-9-CM
7393	Incision of cervix to assist delivery	Procedure	ICD-9-CM

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

Code	Description	Code Category	Code Type
7394	Pubiotomy to assist delivery	Procedure	ICD-9-CM
7399	Other operations to assist delivery	Procedure	ICD-9-CM
740	Classical cesarean section	Procedure	ICD-9-CM
741	Low cervical cesarean section	Procedure	ICD-9-CM
742	Extraperitoneal cesarean section	Procedure	ICD-9-CM
744	Cesarean section of other specified type	Procedure	ICD-9-CM
749	Cesarean section of unspecified type	Procedure	ICD-9-CM
7499	Other cesarean section of unspecified type	Procedure	ICD-9-CM
7630	Fetus or newborn affected by breech delivery and extraction	Diagnosis	ICD-9-CM
7632	Fetus or newborn affected by forceps delivery	Diagnosis	ICD-9-CM
7633	Fetus or newborn affected by delivery by vacuum extractor	Diagnosis	ICD-9-CM
7634	Fetus or newborn affected by cesarean delivery	Diagnosis	ICD-9-CM
7636	Fetus or newborn affected by precipitate delivery	Diagnosis	ICD-9-CM
7680	Fetal death from asphyxia or anoxia before onset of labor or at unspecified time	Diagnosis	ICD-9-CM
7681	Fetal death from asphyxia or anoxia during labor	Diagnosis	ICD-9-CM
O1002	Pre-existing essential hypertension complicating childbirth	Diagnosis	ICD-10-CM
O1012	Pre-existing hypertensive heart disease complicating childbirth	Diagnosis	ICD-10-CM
O1022	Pre-existing hypertensive chronic kidney disease complicating childbirth	Diagnosis	ICD-10-CM
O1032	Pre-existing hypertensive heart and chronic kidney disease complicating childbirth	Diagnosis	ICD-10-CM
O1042	Pre-existing secondary hypertension complicating childbirth	Diagnosis	ICD-10-CM
O1092	Unspecified pre-existing hypertension complicating childbirth	Diagnosis	ICD-10-CM
O114	Pre-existing hypertension with pre-eclampsia, complicating childbirth	Diagnosis	ICD-10-CM
O1204	Gestational edema, complicating childbirth	Diagnosis	ICD-10-CM
O1214	Gestational proteinuria, complicating childbirth	Diagnosis	ICD-10-CM
O1224	Gestational edema with proteinuria, complicating childbirth	Diagnosis	ICD-10-CM
O134	Gestational [pregnancy-induced] hypertension without significant proteinuria, complicating childbirth	Diagnosis	ICD-10-CM
O1404	Mild to moderate pre-eclampsia, complicating childbirth	Diagnosis	ICD-10-CM
O1414	Severe pre-eclampsia complicating childbirth	Diagnosis	ICD-10-CM
O1424	HELLP syndrome, complicating childbirth	Diagnosis	ICD-10-CM
O1494	Unspecified pre-eclampsia, complicating childbirth	Diagnosis	ICD-10-CM
O164	Unspecified maternal hypertension, complicating childbirth	Diagnosis	ICD-10-CM
O2402	Pre-existing type 1 diabetes mellitus, in childbirth	Diagnosis	ICD-10-CM
O2412	Pre-existing type 2 diabetes mellitus, in childbirth	Diagnosis	ICD-10-CM
O2432	Unspecified pre-existing diabetes mellitus in childbirth	Diagnosis	ICD-10-CM
O24420	Gestational diabetes mellitus in childbirth, diet controlled	Diagnosis	ICD-10-CM

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

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

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

Code	Description	Code Category	Code Type
O6014X1	Preterm labor third trimester with preterm delivery third trimester, fetus 1	Diagnosis	ICD-10-CM
O6014X2	Preterm labor third trimester with preterm delivery third trimester, fetus 2	Diagnosis	ICD-10-CM
O6014X3	Preterm labor third trimester with preterm delivery third trimester, fetus 3	Diagnosis	ICD-10-CM
O6014X4	Preterm labor third trimester with preterm delivery third trimester, fetus 4	Diagnosis	ICD-10-CM
O6014X5	Preterm labor third trimester with preterm delivery third trimester, fetus 5	Diagnosis	ICD-10-CM
O6014X9	Preterm labor third trimester with preterm delivery third trimester, other fetus	Diagnosis	ICD-10-CM
O6022X0	Term delivery with preterm labor, second trimester, not applicable or unspecified	Diagnosis	ICD-10-CM
O6022X1	Term delivery with preterm labor, second trimester, fetus 1	Diagnosis	ICD-10-CM
O6022X2	Term delivery with preterm labor, second trimester, fetus 2	Diagnosis	ICD-10-CM
O6022X3	Term delivery with preterm labor, second trimester, fetus 3	Diagnosis	ICD-10-CM
O6022X4	Term delivery with preterm labor, second trimester, fetus 4	Diagnosis	ICD-10-CM
O6022X5	Term delivery with preterm labor, second trimester, fetus 5	Diagnosis	ICD-10-CM
O6022X9	Term delivery with preterm labor, second trimester, other fetus	Diagnosis	ICD-10-CM
O6023X0	Term delivery with preterm labor, third trimester, not applicable or unspecified	Diagnosis	ICD-10-CM
O6023X1	Term delivery with preterm labor, third trimester, fetus 1	Diagnosis	ICD-10-CM
O6023X2	Term delivery with preterm labor, third trimester, fetus 2	Diagnosis	ICD-10-CM
O6023X3	Term delivery with preterm labor, third trimester, fetus 3	Diagnosis	ICD-10-CM
O6023X4	Term delivery with preterm labor, third trimester, fetus 4	Diagnosis	ICD-10-CM
O6023X5	Term delivery with preterm labor, third trimester, fetus 5	Diagnosis	ICD-10-CM
O6023X9	Term delivery with preterm labor, third trimester, other fetus	Diagnosis	ICD-10-CM
O632	Delayed delivery of second twin, triplet, etc	Diagnosis	ICD-10-CM
O670	Intrapartum hemorrhage with coagulation defect	Diagnosis	ICD-10-CM
O678	Other intrapartum hemorrhage	Diagnosis	ICD-10-CM
O679	Intrapartum hemorrhage, unspecified	Diagnosis	ICD-10-CM
O68	Labor and delivery complicated by abnormality of fetal acid-base balance	Diagnosis	ICD-10-CM
O690XX0	Labor and delivery complicated by prolapse of cord, not applicable or unspecified	Diagnosis	ICD-10-CM
O690XX1	Labor and delivery complicated by prolapse of cord, fetus 1	Diagnosis	ICD-10-CM
O690XX2	Labor and delivery complicated by prolapse of cord, fetus 2	Diagnosis	ICD-10-CM
O690XX3	Labor and delivery complicated by prolapse of cord, fetus 3	Diagnosis	ICD-10-CM
O690XX4	Labor and delivery complicated by prolapse of cord, fetus 4	Diagnosis	ICD-10-CM

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

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

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

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

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

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

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

Code	Description	Code Category	Code Type
O740	Aspiration pneumonitis due to anesthesia during labor and delivery	Diagnosis	ICD-10-CM
O741	Other pulmonary complications of anesthesia during labor and delivery	Diagnosis	ICD-10-CM
O742	Cardiac complications of anesthesia during labor and delivery	Diagnosis	ICD-10-CM
O743	Central nervous system complications of anesthesia during labor and delivery	Diagnosis	ICD-10-CM
O744	Toxic reaction to local anesthesia during labor and delivery	Diagnosis	ICD-10-CM
O745	Spinal and epidural anesthesia-induced headache during labor and delivery	Diagnosis	ICD-10-CM
O746	Other complications of spinal and epidural anesthesia during labor and delivery	Diagnosis	ICD-10-CM
O747	Failed or difficult intubation for anesthesia during labor and delivery	Diagnosis	ICD-10-CM
O748	Other complications of anesthesia during labor and delivery	Diagnosis	ICD-10-CM
O749	Complication of anesthesia during labor and delivery, unspecified	Diagnosis	ICD-10-CM
O750	Maternal distress during labor and delivery	Diagnosis	ICD-10-CM
O751	Shock during or following labor and delivery	Diagnosis	ICD-10-CM
O755	Delayed delivery after artificial rupture of membranes	Diagnosis	ICD-10-CM
O7581	Maternal exhaustion complicating labor and delivery	Diagnosis	ICD-10-CM
O7582	Onset (spontaneous) of labor after 37 completed weeks of gestation but before 39 completed weeks gestation, with delivery by (planned) cesarean section	Diagnosis	ICD-10-CM
O7589	Other specified complications of labor and delivery	Diagnosis	ICD-10-CM
O759	Complication of labor and delivery, unspecified	Diagnosis	ICD-10-CM
O76	Abnormality in fetal heart rate and rhythm complicating labor and delivery	Diagnosis	ICD-10-CM
O770	Labor and delivery complicated by meconium in amniotic fluid	Diagnosis	ICD-10-CM
O778	Labor and delivery complicated by other evidence of fetal stress	Diagnosis	ICD-10-CM
O779	Labor and delivery complicated by fetal stress, unspecified	Diagnosis	ICD-10-CM
O80	Encounter for full-term uncomplicated delivery	Diagnosis	ICD-10-CM
O82	Encounter for cesarean delivery without indication	Diagnosis	ICD-10-CM
O8802	Air embolism in childbirth	Diagnosis	ICD-10-CM
O8812	Amniotic fluid embolism in childbirth	Diagnosis	ICD-10-CM
O8822	Thromboembolism in childbirth	Diagnosis	ICD-10-CM
O8832	Pyemic and septic embolism in childbirth	Diagnosis	ICD-10-CM
O8882	Other embolism in childbirth	Diagnosis	ICD-10-CM
O9802	Tuberculosis complicating childbirth	Diagnosis	ICD-10-CM
O9812	Syphilis complicating childbirth	Diagnosis	ICD-10-CM
O9822	Gonorrhea complicating childbirth	Diagnosis	ICD-10-CM

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

Code	Description	Code Category	Code Type
O9832	Other infections with a predominantly sexual mode of transmission complicating childbirth	Diagnosis	ICD-10-CM
O9842	Viral hepatitis complicating childbirth	Diagnosis	ICD-10-CM
O9852	Other viral diseases complicating childbirth	Diagnosis	ICD-10-CM
O9862	Protozoal diseases complicating childbirth	Diagnosis	ICD-10-CM
O9872	Human immunodeficiency virus [HIV] disease complicating childbirth	Diagnosis	ICD-10-CM
O9882	Other maternal infectious and parasitic diseases complicating childbirth	Diagnosis	ICD-10-CM
O9892	Unspecified maternal infectious and parasitic disease complicating childbirth	Diagnosis	ICD-10-CM
O9902	Anemia complicating childbirth	Diagnosis	ICD-10-CM
O9912	Other diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism complicating childbirth	Diagnosis	ICD-10-CM
O99214	Obesity complicating childbirth	Diagnosis	ICD-10-CM
O99284	Endocrine, nutritional and metabolic diseases complicating childbirth	Diagnosis	ICD-10-CM
O99314	Alcohol use complicating childbirth	Diagnosis	ICD-10-CM
O99324	Drug use complicating childbirth	Diagnosis	ICD-10-CM
O99334	Smoking (tobacco) complicating childbirth	Diagnosis	ICD-10-CM
O99344	Other mental disorders complicating childbirth	Diagnosis	ICD-10-CM
O99354	Diseases of the nervous system complicating childbirth	Diagnosis	ICD-10-CM
O9942	Diseases of the circulatory system complicating childbirth	Diagnosis	ICD-10-CM
O9952	Diseases of the respiratory system complicating childbirth	Diagnosis	ICD-10-CM
O9962	Diseases of the digestive system complicating childbirth	Diagnosis	ICD-10-CM
O9972	Diseases of the skin and subcutaneous tissue complicating childbirth	Diagnosis	ICD-10-CM
O99814	Abnormal glucose complicating childbirth	Diagnosis	ICD-10-CM
O99824	Streptococcus B carrier state complicating childbirth	Diagnosis	ICD-10-CM
O99834	Other infection carrier state complicating childbirth	Diagnosis	ICD-10-CM
O99844	Bariatric surgery status complicating childbirth	Diagnosis	ICD-10-CM
O9A12	Malignant neoplasm complicating childbirth	Diagnosis	ICD-10-CM
O9A22	Injury, poisoning and certain other consequences of external causes complicating childbirth	Diagnosis	ICD-10-CM
O9A32	Physical abuse complicating childbirth	Diagnosis	ICD-10-CM
O9A42	Sexual abuse complicating childbirth	Diagnosis	ICD-10-CM
O9A52	Psychological abuse complicating childbirth	Diagnosis	ICD-10-CM
P030	Newborn affected by breech delivery and extraction	Diagnosis	ICD-10-CM
P032	Newborn affected by forceps delivery	Diagnosis	ICD-10-CM
P033	Newborn affected by delivery by vacuum extractor [ventouse]	Diagnosis	ICD-10-CM

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

Code	Description	Code Category	Code Type
P034	Newborn affected by Cesarean delivery	Diagnosis	ICD-10-CM
P035	Newborn affected by precipitate delivery	Diagnosis	ICD-10-CM
P0700	Extremely low birth weight newborn, unspecified weight	Diagnosis	ICD-10-CM
P0701	Extremely low birth weight newborn, less than 500 grams	Diagnosis	ICD-10-CM
P0702	Extremely low birth weight newborn, 500-749 grams	Diagnosis	ICD-10-CM
P0703	Extremely low birth weight newborn, 750-999 grams	Diagnosis	ICD-10-CM
P0710	Other low birth weight newborn, unspecified weight	Diagnosis	ICD-10-CM
P0714	Other low birth weight newborn, 1000-1249 grams	Diagnosis	ICD-10-CM
P0715	Other low birth weight newborn, 1250-1499 grams	Diagnosis	ICD-10-CM
P0716	Other low birth weight newborn, 1500-1749 grams	Diagnosis	ICD-10-CM
P0717	Other low birth weight newborn, 1750-1999 grams	Diagnosis	ICD-10-CM
P0718	Other low birth weight newborn, 2000-2499 grams	Diagnosis	ICD-10-CM
P0720	Extreme immaturity of newborn, unspecified weeks of gestation	Diagnosis	ICD-10-CM
P0721	Extreme immaturity of newborn, gestational age less than 23 completed weeks	Diagnosis	ICD-10-CM
P0722	Extreme immaturity of newborn, gestational age 23 completed weeks	Diagnosis	ICD-10-CM
P0723	Extreme immaturity of newborn, gestational age 24 completed weeks	Diagnosis	ICD-10-CM
P0724	Extreme immaturity of newborn, gestational age 25 completed weeks	Diagnosis	ICD-10-CM
P0725	Extreme immaturity of newborn, gestational age 26 completed weeks	Diagnosis	ICD-10-CM
P0726	Extreme immaturity of newborn, gestational age 27 completed weeks	Diagnosis	ICD-10-CM
P0730	Preterm newborn, unspecified weeks of gestation	Diagnosis	ICD-10-CM
P0731	Preterm newborn, gestational age 28 completed weeks	Diagnosis	ICD-10-CM
P0732	Preterm newborn, gestational age 29 completed weeks	Diagnosis	ICD-10-CM
P0733	Preterm newborn, gestational age 30 completed weeks	Diagnosis	ICD-10-CM
P0734	Preterm newborn, gestational age 31 completed weeks	Diagnosis	ICD-10-CM
P0735	Preterm newborn, gestational age 32 completed weeks	Diagnosis	ICD-10-CM
P0736	Preterm newborn, gestational age 33 completed weeks	Diagnosis	ICD-10-CM
P0737	Preterm newborn, gestational age 34 completed weeks	Diagnosis	ICD-10-CM
P0738	Preterm newborn, gestational age 35 completed weeks	Diagnosis	ICD-10-CM
P0739	Preterm newborn, gestational age 36 completed weeks	Diagnosis	ICD-10-CM
P0821	Post-term newborn	Diagnosis	ICD-10-CM
P0822	Prolonged gestation of newborn	Diagnosis	ICD-10-CM
V27	Outcome of delivery	Diagnosis	ICD-9-CM
V270	Outcome of delivery, single liveborn	Diagnosis	ICD-9-CM
V272	Outcome of delivery, twins, both liveborn	Diagnosis	ICD-9-CM

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

Code	Description	Code Category	Code Type
V273	Outcome of delivery, twins, one liveborn and one stillborn	Diagnosis	ICD-9-CM
V275	Outcome of delivery, other multiple birth, all liveborn	Diagnosis	ICD-9-CM
V276	Outcome of delivery, other multiple birth, some liveborn	Diagnosis	ICD-9-CM
V279	Outcome of delivery, unspecified	Diagnosis	ICD-9-CM
V30	Single liveborn	Diagnosis	ICD-9-CM
V300	Single liveborn, born in hospital	Diagnosis	ICD-9-CM
V3000	Single liveborn, born in hospital, delivered without mention of cesarean delivery	Diagnosis	ICD-9-CM
V3001	Single liveborn, born in hospital, delivered by cesarean delivery	Diagnosis	ICD-9-CM
V301	Single liveborn, born before admission to hospital	Diagnosis	ICD-9-CM
V302	Single liveborn, born outside hospital and not hospitalized	Diagnosis	ICD-9-CM
V31	Twin birth, mate liveborn	Diagnosis	ICD-9-CM
V310	Twin, mate liveborn, born in hospital	Diagnosis	ICD-9-CM
V3100	Twin, mate liveborn, born in hospital, delivered without mention of cesarean delivery	Diagnosis	ICD-9-CM
V3101	Twin, mate liveborn, born in hospital, delivered by cesarean delivery	Diagnosis	ICD-9-CM
V311	Twin birth, mate liveborn, born before admission to hospital	Diagnosis	ICD-9-CM
V312	Twin birth, mate liveborn, born outside hospital and not hospitalized	Diagnosis	ICD-9-CM
V32	Twin birth, mate stillborn	Diagnosis	ICD-9-CM
V320	Twin, mate stillborn, born in hospital	Diagnosis	ICD-9-CM
V3200	Twin, mate stillborn, born in hospital, delivered without mention of cesarean delivery	Diagnosis	ICD-9-CM
V3201	Twin, mate stillborn, born in hospital, delivered by cesarean delivery	Diagnosis	ICD-9-CM
V321	Twin birth, mate stillborn, born before admission to hospital	Diagnosis	ICD-9-CM
V322	Twin birth, mate stillborn, born outside hospital and not hospitalized	Diagnosis	ICD-9-CM
V33	Twin birth, unspecified whether mate liveborn or stillborn	Diagnosis	ICD-9-CM
V330	Twin, unspecified, born in hospital	Diagnosis	ICD-9-CM
V3300	Twin, unspecified whether mate stillborn or liveborn, born in hospital, delivered without mention of cesarean delivery	Diagnosis	ICD-9-CM
V3301	Twin, unspecified whether mate stillborn or liveborn, born in hospital, delivered by cesarean delivery	Diagnosis	ICD-9-CM
V331	Twin birth, unspecified whether mate liveborn or stillborn, born before admission to hospital	Diagnosis	ICD-9-CM
V332	Twin birth, unspecified whether mate liveborn or stillborn, born outside hospital and not hospitalized	Diagnosis	ICD-9-CM
V34	Other multiple birth (three or more), mates all liveborn	Diagnosis	ICD-9-CM

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

Code	Description	Code Category	Code Type
V340	Other multiple, mates all liveborn, born in hospital	Diagnosis	ICD-9-CM
V3400	Other multiple, mates all liveborn, born in hospital, delivered without mention of cesarean delivery	Diagnosis	ICD-9-CM
V3401	Other multiple, mates all liveborn, born in hospital, delivered by cesarean delivery	Diagnosis	ICD-9-CM
V341	Other multiple birth (three or more), mates all liveborn, born before admission to hospital	Diagnosis	ICD-9-CM
V342	Other multiple birth (three or more), mates all liveborn, born outside hospital and not hospitalized	Diagnosis	ICD-9-CM
V36	Other multiple birth (three or more), mates liveborn and stillborn	Diagnosis	ICD-9-CM
V360	Other multiple, mates liveborn and stillborn, born in hospital	Diagnosis	ICD-9-CM
V3600	Other multiple, mates liveborn and stillborn, born in hospital, delivered without mention of cesarean delivery	Diagnosis	ICD-9-CM
V3601	Other multiple, mates liveborn and stillborn, born in hospital, delivered by cesarean delivery	Diagnosis	ICD-9-CM
V361	Other multiple birth (three or more), mates liveborn and stillborn, born before admission to hospital	Diagnosis	ICD-9-CM
V362	Other multiple birth (three or more), mates liveborn and stillborn, born outside hospital and not hospitalized	Diagnosis	ICD-9-CM
V37	Other multiple birth (three or more), unspecified whether mates liveborn or stillborn	Diagnosis	ICD-9-CM
V370	Other multiple, unspecified whether mates stillborn or liveborn, born in hospital	Diagnosis	ICD-9-CM
V3700	Other multiple, unspecified whether mates stillborn or liveborn, born in hospital, delivered without mention of cesarean delivery	Diagnosis	ICD-9-CM
V3701	Other multiple, unspecified whether mates stillborn or liveborn, born in hospital, delivered by cesarean delivery	Diagnosis	ICD-9-CM
V371	Other multiple birth (three or more), unspecified whether mates liveborn or stillborn, born before admission to hospital	Diagnosis	ICD-9-CM
V372	Other multiple birth (three or more), unspecified whether mates liveborn or stillborn, born outside of hospital	Diagnosis	ICD-9-CM
V39	Liveborn, unspecified whether single, twin, or multiple	Diagnosis	ICD-9-CM
V390	Other liveborn, unspecified whether single, twin, or multiple, born in hospital	Diagnosis	ICD-9-CM
V3900	Liveborn infant, unspecified whether single, twin, or multiple, born in hospital, delivered without mention of cesarean delivery	Diagnosis	ICD-9-CM
V3901	Liveborn infant, unspecified whether single, twin, or multiple, born in hospital, delivered by cesarean	Diagnosis	ICD-9-CM
V391	Liveborn, unspecified whether single, twin or multiple, born before admission to hospital	Diagnosis	ICD-9-CM

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

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

Appendix B.1. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) codes used to Define Gestational Age

Code	Description	Code Category	Code Type	Duration	Priority Group 1	Priority Group 2	Priority ¹
Gestational age lookup table							
O481	Prolonged pregnancy	Diagnosis	ICD-10-CM	294	0	1	1
P0822	Prolonged gestation of newborn	Diagnosis	ICD-10-CM	294	0	1	1
Z3A49	Greater than 42 weeks gestation of pregnancy	Diagnosis	ICD-10-CM	301	1	0	1
O480	Post-term pregnancy	Diagnosis	ICD-10-CM	287	0	1	2
P0821	Post-term newborn	Diagnosis	ICD-10-CM	287	0	1	2
Z3A42	42 weeks gestation of pregnancy	Diagnosis	ICD-10-CM	298	1	0	2
Z3A41	41 weeks gestation of pregnancy	Diagnosis	ICD-10-CM	291	1	0	3
Z3A40	40 weeks gestation of pregnancy	Diagnosis	ICD-10-CM	284	1	0	4
Z3A39	39 weeks gestation of pregnancy	Diagnosis	ICD-10-CM	277	1	0	5
Z3A38	38 weeks gestation of pregnancy	Diagnosis	ICD-10-CM	270	1	0	6
Z3A37	37 weeks gestation of pregnancy	Diagnosis	ICD-10-CM	263	1	0	7
P0739	Preterm newborn, gestational age 36 completed weeks	Diagnosis	ICD-10-CM	256	1	0	8
Z3A36	36 weeks gestation of pregnancy	Diagnosis	ICD-10-CM	256	1	0	8
P0738	Preterm newborn, gestational age 35 completed weeks	Diagnosis	ICD-10-CM	249	1	0	9
Z3A35	35 weeks gestation of pregnancy	Diagnosis	ICD-10-CM	249	1	0	9
P0737	Preterm newborn, gestational age 34 completed weeks	Diagnosis	ICD-10-CM	242	1	0	10
Z3A34	34 weeks gestation of pregnancy	Diagnosis	ICD-10-CM	242	1	0	10
P0736	Preterm newborn, gestational age 33 completed weeks	Diagnosis	ICD-10-CM	235	1	0	11
Z3A33	33 weeks gestation of pregnancy	Diagnosis	ICD-10-CM	235	1	0	11
P0735	Preterm newborn, gestational age 32 completed weeks	Diagnosis	ICD-10-CM	228	1	0	12
Z3A32	32 weeks gestation of pregnancy	Diagnosis	ICD-10-CM	228	1	0	12
P0734	Preterm newborn, gestational age 31 completed weeks	Diagnosis	ICD-10-CM	221	1	0	13
Z3A31	31 weeks gestation of pregnancy	Diagnosis	ICD-10-CM	221	1	0	13
P0733	Preterm newborn, gestational age 30 completed weeks	Diagnosis	ICD-10-CM	214	1	0	14
Z3A30	30 weeks gestation of pregnancy	Diagnosis	ICD-10-CM	214	1	0	14
P0732	Preterm newborn, gestational age 29 completed weeks	Diagnosis	ICD-10-CM	207	1	0	15
Z3A29	29 weeks gestation of pregnancy	Diagnosis	ICD-10-CM	207	1	0	15
P0731	Preterm newborn, gestational age 28 completed weeks	Diagnosis	ICD-10-CM	200	1	0	16
Z3A28	28 weeks gestation of pregnancy	Diagnosis	ICD-10-CM	200	1	0	16
P0726	Extreme immaturity of newborn, gestational age 27 completed weeks	Diagnosis	ICD-10-CM	193	1	0	17
Z3A27	27 weeks gestation of pregnancy	Diagnosis	ICD-10-CM	193	1	0	17
P0725	Extreme immaturity of newborn, gestational age 26 completed weeks	Diagnosis	ICD-10-CM	186	1	0	18
Z3A26	26 weeks gestation of pregnancy	Diagnosis	ICD-10-CM	186	1	0	18
P0724	Extreme immaturity of newborn, gestational age 25 completed weeks	Diagnosis	ICD-10-CM	179	1	0	19
Z3A25	25 weeks gestation of pregnancy	Diagnosis	ICD-10-CM	179	1	0	19
P0723	Extreme immaturity of newborn, gestational age 24 completed weeks	Diagnosis	ICD-10-CM	172	1	0	20
Z3A24	24 weeks gestation of pregnancy	Diagnosis	ICD-10-CM	172	1	0	20
P0722	Extreme immaturity of newborn, gestational age 23 completed weeks	Diagnosis	ICD-10-CM	165	1	0	21
Z3A23	23 weeks gestation of pregnancy	Diagnosis	ICD-10-CM	165	1	0	21
P0721	Extreme immaturity of newborn, gestational age less than 23 completed weeks	Diagnosis	ICD-10-CM	158	1	0	22
Z3A22	22 weeks gestation of pregnancy	Diagnosis	ICD-10-CM	158	1	0	22

Appendix B.1. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) codes used to Define Gestational Age

Code	Description	Code Category	Code Type	Duration	Priority Group 1	Priority Group 2	Priority ¹
Z3A21	21 weeks gestation of pregnancy	Diagnosis	ICD-10-CM	151	1	0	23
Z3A20	20 weeks gestation of pregnancy	Diagnosis	ICD-10-CM	144	1	0	24
P0720	Extreme immaturity of newborn, unspecified weeks of gestation	Diagnosis	ICD-10-CM	196	1	0	25
O6013X0	Preterm labor second trimester with preterm delivery third trimester	Diagnosis	ICD-10-CM	245	1	0	26
O6013X1	Preterm labor second trimester with preterm delivery third trimester	Diagnosis	ICD-10-CM	245	1	0	26
O6013X2	Preterm labor second trimester with preterm delivery third trimester	Diagnosis	ICD-10-CM	245	1	0	26
O6013X3	Preterm labor second trimester with preterm delivery third trimester	Diagnosis	ICD-10-CM	245	1	0	26
O6013X4	Preterm labor second trimester with preterm delivery third trimester	Diagnosis	ICD-10-CM	245	1	0	26
O6013X5	Preterm labor second trimester with preterm delivery third trimester	Diagnosis	ICD-10-CM	245	1	0	26
O6013X9	Preterm labor second trimester with preterm delivery third trimester	Diagnosis	ICD-10-CM	245	1	0	26
O6014X0	Preterm labor third trimester with preterm delivery third trimester	Diagnosis	ICD-10-CM	245	1	0	26
O6014X1	Preterm labor third trimester with preterm delivery third trimester	Diagnosis	ICD-10-CM	245	1	0	26
O6014X2	Preterm labor third trimester with preterm delivery third trimester	Diagnosis	ICD-10-CM	245	1	0	26
O6014X3	Preterm labor third trimester with preterm delivery third trimester	Diagnosis	ICD-10-CM	245	1	0	26
O6014X4	Preterm labor third trimester with preterm delivery third trimester	Diagnosis	ICD-10-CM	245	1	0	26
O6014X5	Preterm labor third trimester with preterm delivery third trimester	Diagnosis	ICD-10-CM	245	1	0	26
O6014X9	Preterm labor third trimester with preterm delivery third trimester	Diagnosis	ICD-10-CM	245	1	0	26
P0730	Preterm newborn, unspecified weeks of gestation	Diagnosis	ICD-10-CM	245	1	0	26
O6012X0	Preterm labor second trimester with preterm delivery second trimester	Diagnosis	ICD-10-CM	168	1	0	27
O6012X1	Preterm labor second trimester with preterm delivery second trimester	Diagnosis	ICD-10-CM	168	1	0	27
O6012X2	Preterm labor second trimester with preterm delivery second trimester	Diagnosis	ICD-10-CM	168	1	0	27
O6012X3	Preterm labor second trimester with preterm delivery second trimester	Diagnosis	ICD-10-CM	168	1	0	27
O6012X4	Preterm labor second trimester with preterm delivery second trimester	Diagnosis	ICD-10-CM	168	1	0	27
O6012X5	Preterm labor second trimester with preterm delivery second trimester	Diagnosis	ICD-10-CM	168	1	0	27
O6012X9	Preterm labor second trimester with preterm delivery second trimester	Diagnosis	ICD-10-CM	168	1	0	27
64520	Prolonged pregnancy	Diagnosis	ICD-9-CM	294	0	1	28

Appendix B.1. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) codes used to Define Gestational Age

Code	Description	Code Category	Code Type	Duration	Priority Group 1	Priority Group 2	Priority ¹
64521	Prolonged pregnancy	Diagnosis	ICD-9-CM	294	0	1	28
64523	Prolonged pregnancy	Diagnosis	ICD-9-CM	294	0	1	28
76528	35-36 completed weeks of gestation	Diagnosis	ICD-9-CM	252	1	0	28
76622	Prolonged gestation of infant	Diagnosis	ICD-9-CM	294	0	1	28
64510	Post term pregnancy	Diagnosis	ICD-9-CM	287	0	1	29
64511	Post term pregnancy	Diagnosis	ICD-9-CM	287	0	1	29
64513	Post term pregnancy	Diagnosis	ICD-9-CM	287	0	1	29
76527	33-34 completed weeks of gestation	Diagnosis	ICD-9-CM	238	1	0	29
76621	Post-term infant	Diagnosis	ICD-9-CM	287	0	1	29
76526	31-32 completed weeks of gestation	Diagnosis	ICD-9-CM	224	1	0	30
76525	29-30 completed weeks of gestation	Diagnosis	ICD-9-CM	210	1	0	31
76524	27-28 completed weeks of gestation	Diagnosis	ICD-9-CM	196	1	0	32
76523	25-26 completed weeks of gestation	Diagnosis	ICD-9-CM	182	1	0	33
76521	Less than 24 completed weeks of gestation	Diagnosis	ICD-9-CM	168	1	0	34
76522	24 completed weeks of gestation	Diagnosis	ICD-9-CM	168	1	0	34
76500	Extreme immaturity, by weight	Diagnosis	ICD-9-CM	196	1	0	35
76501	Extreme immaturity, by weight	Diagnosis	ICD-9-CM	196	1	0	35
76502	Extreme immaturity, by weight	Diagnosis	ICD-9-CM	196	1	0	35
76503	Extreme immaturity, by weight	Diagnosis	ICD-9-CM	196	1	0	35
76504	Extreme immaturity, by weight	Diagnosis	ICD-9-CM	196	1	0	35
76505	Extreme immaturity, by weight	Diagnosis	ICD-9-CM	196	1	0	35
76506	Extreme immaturity, by weight	Diagnosis	ICD-9-CM	196	1	0	35
76507	Extreme immaturity, by weight	Diagnosis	ICD-9-CM	196	1	0	35
76508	Extreme immaturity, by weight	Diagnosis	ICD-9-CM	196	1	0	35
76509	Extreme immaturity, by weight	Diagnosis	ICD-9-CM	196	1	0	35
64421	Early onset of delivery, delivered, with or without mention of antepartum condition	Diagnosis	ICD-9-CM	245	1	0	36
76510	Other preterm infants, by weight	Diagnosis	ICD-9-CM	245	1	0	36
76511	Other preterm infants, by weight	Diagnosis	ICD-9-CM	245	1	0	36
76512	Other preterm infants, by weight	Diagnosis	ICD-9-CM	245	1	0	36
76513	Other preterm infants, by weight	Diagnosis	ICD-9-CM	245	1	0	36
76514	Other preterm infants, by weight	Diagnosis	ICD-9-CM	245	1	0	36
76515	Other preterm infants, by weight	Diagnosis	ICD-9-CM	245	1	0	36
76516	Other preterm infants, by weight	Diagnosis	ICD-9-CM	245	1	0	36
76517	Other preterm infants, by weight	Diagnosis	ICD-9-CM	245	1	0	36
76518	Other preterm infants, by weight	Diagnosis	ICD-9-CM	245	1	0	36
76519	Other preterm infants, by weight	Diagnosis	ICD-9-CM	245	1	0	36
76520	Unspecified weeks of gestation	Diagnosis	ICD-9-CM	245	1	0	36

¹If multiple codes for specific weeks of gestation (Z codes), preterm delivery, and/or postterm delivery are available, the ICD-10 algorithm for

(1) **Codes that specify weeks of gestation, including all Z codes ranging from 20 weeks through >=42 weeks of gestation in one week increments,**

(2) **Codes that indicate preterm delivery without specifying weeks of gestation.** If multiple codes are observed, codes with more specificity

(3) **Codes that indicate postterm delivery without specifying weeks of gestation.** If multiple codes are observed, codes indicating longer

If no codes for preterm or postterm delivery are observed, then the default assumption for gestational age is 273 days.

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

Generic Name	Brand Name
Aripiprazole (Abilify Maintena And Equivalents Only)	
aripiprazole	ABILIFY
aripiprazole	ABILIFY MAINTENA
Aripiprazole (Abilify And Equivalents Only)	
aripiprazole	ABILIFY
aripiprazole	ABILIFY DISCMELT
aripiprazole	ABILIFY MYCITE
aripiprazole	ARIPIPAZOLE
aripiprazole	ARIPIPAZOLE ODT
Amitriptyline-Containing Products	
amitriptyline HCl	AMITRIPTYLINE HCL
amitriptyline/chlordiazepoxide	AMITRIPTYLINE-CHLORDIAZEPOXIDE
amitriptyline/chlordiazepoxide	CHLORDIAZEPOXIDE-AMITRIPTYLINE
amitriptyline/chlordiazepoxide	LIMBITROL
amitriptyline/chlordiazepoxide	LIMBITROL DS
perphenazine/amitriptyline HCl	AMITRIPTYLINE-PERPHENAZINE
perphenazine/amitriptyline HCl	PERPHENAZINE-AMITRIPTYLINE
Amphetamine-Containing Products	
amphetamine	ADZENYS ER
amphetamine	ADZENYS XR-ODT
amphetamine	AMPHETAMINE
amphetamine	DYANAVEL XR
amphetamine sulfate	AMPHETAMINE SULFATE
amphetamine sulfate	EVEKEO
amphetamine sulfate	EVEKEO ODT
dextroamphetamine/amphetamine	ADDERALL
dextroamphetamine/amphetamine	ADDERALL XR
dextroamphetamine/amphetamine	AMPHETAMINE SALT COMBO
dextroamphetamine/amphetamine	DEXTROAMPHETAMINE-AMPHET ER
dextroamphetamine/amphetamine	DEXTROAMPHETAMINE-AMPHETAMINE
dextroamphetamine/amphetamine	MYDAYIS
Aripiprazole Lauroxil (Aristada And Equivalents Only)	
aripiprazole lauroxil	ARISTADA

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

Ethinyl Estradiol And Drospirenone (Beyaz And Equivalents Only)	
drospir/eth estra/levomefol Ca	BEYAZ
drospir/eth estra/levomefol Ca	DROSPIRENONE-ETH ESTRA-LEVOMEF
drospir/eth estra/levomefol Ca	RAJANI
drospir/eth estra/levomefol Ca	SAFYRAL
drospir/eth estra/levomefol Ca	TYDEMY
Bupropion-Containing Products	
bupropion HBr	APLENZIN
bupropion HCl	BUDEPRION SR
bupropion HCl	BUDEPRION XL
bupropion HCl	BUPROBAN
bupropion HCl	BUPROPION HCL
bupropion HCl	BUPROPION HCL ER
bupropion HCl	BUPROPION HCL SR
bupropion HCl	BUPROPION XL
bupropion HCl	FORFIVO XL
bupropion HCl	WELLBUTRIN
bupropion HCl	WELLBUTRIN SR
bupropion HCl	WELLBUTRIN XL
bupropion HCl	ZYBAN
bupropion/dietary supp. no.15	APPBUTAMONE-D
bupropion/dietary supp. no.16	APPBUTAMONE
naltrexone HCl/bupropion HCl	CONTRAVE
Citalopram-Containing Products	
citalopram hydrobromide	CELEXA
citalopram hydrobromide	CITALOPRAM HBR
Cyclosporine-Containing Products (Except Neoral And Equivalents)	
cyclosporine	CEQUA
cyclosporine	CYCLOSPORINE
cyclosporine	RESTASIS
cyclosporine	RESTASIS MULTIDOSE
cyclosporine	SANDIMMUNE
cyclosporine	VERKAZIA
cyclosporine/chondroitin	CYCLOSPORINE IN KLARITY
Cyclosporine (Neoral Equivalents Only)	
cyclosporine, modified	CYCLOSPORINE
cyclosporine, modified	CYCLOSPORINE MODIFIED
cyclosporine, modified	GENGRAF

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

Desvenlafaxine-Containing Products	
desvenlafaxine	DESVENLAFAXINE ER
desvenlafaxine	KHEDEZLA
desvenlafaxine fumarate	DESVENLAFAXINE FUMARATE ER
desvenlafaxine succinate	DESVENLAFAXINE SUCCINATE ER
desvenlafaxine succinate	PRISTIQ
Dextroamphetamine-Containing Products	
dextroamphetamine sulfate	DEXEDRINE
dextroamphetamine sulfate	DEXTROAMPHETAMINE SULFATE
dextroamphetamine sulfate	DEXTROAMPHETAMINE SULFATE ER
dextroamphetamine sulfate	DEXTROSTAT
dextroamphetamine sulfate	LIQUADD
dextroamphetamine sulfate	PROCENTRA
dextroamphetamine sulfate	ZENZEDI
dextroamphetamine/amphetamine	ADDERALL
dextroamphetamine/amphetamine	ADDERALL XR
dextroamphetamine/amphetamine	AMPHETAMINE SALT COMBO
dextroamphetamine/amphetamine	DEXTROAMPHETAMINE-AMPHET ER
dextroamphetamine/amphetamine	DEXTROAMPHETAMINE-AMPHETAMINE
dextroamphetamine/amphetamine	MYDAYIS
Duloxetine (Cymbalta Equivalents Only)	
duloxetine HCl	DULOXETINE HCL
duloxetine HCl	IRENKA
Emtricitabine And Tenofovir Disoproxil Fumarate-Containing Products (Except Truvada And Equivalents)	
efavirenz/emtricit/tenofovr df	ATRIPLA
efavirenz/emtricit/tenofovr df	EFAVIRENZ-EMTRIC-TENOFOV DISOP
elviteg/cob/emtri/tenofo disop	STRIBILD
emtricit/rilpivirine/tenof DF	COMPLERA
Escitalopram-Containing Products	
escitalopram oxalate	ESCITALOPRAM OXALATE
escitalopram oxalate	LEXAPRO

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

Ethinyl Estradiol And Drospirenone-Containing Products (Except Yasmin And Equivalents)	
drospir/eth estra/levomefol Ca	BEYAZ
drospir/eth estra/levomefol Ca	DROSPIRENONE-ETH ESTRA-LEVOMEF
drospir/eth estra/levomefol Ca	RAJANI
drospir/eth estra/levomefol Ca	SAFYRAL
drospir/eth estra/levomefol Ca	TYDEMY
ethinyl estradiol/drospirenone	DROSPIRENONE-ETHINYL ESTRADIOL
ethinyl estradiol/drospirenone	GIANVI
ethinyl estradiol/drospirenone	JASMIEL
ethinyl estradiol/drospirenone	LO-ZUMANDIMINE
ethinyl estradiol/drospirenone	LORYNA
ethinyl estradiol/drospirenone	NIKKI
ethinyl estradiol/drospirenone	VESTURA
ethinyl estradiol/drospirenone	YAZ
Fluoxetine-Containing Products	
fluoxetine HCl	FLUOXETINE DR
fluoxetine HCl	FLUOXETINE HCL
fluoxetine HCl	PROZAC
fluoxetine HCl	PROZAC WEEKLY
fluoxetine HCl	RAPIFLUX
fluoxetine HCl	SARAFEM
fluoxetine HCl	SELFEMRA
fluoxetine/dietary supp no.17	GABOXETINE
fluoxetine/dietary supp. no.8	SENTROXATINE
olanzapine/fluoxetine HCl	OLANZAPINE-FLUOXETINE HCL
olanzapine/fluoxetine HCl	SYMBYAX
Adalimumab (Humira Only)	
adalimumab	HUMIRA
adalimumab	HUMIRA PEDIATRIC CROHN'S
adalimumab	HUMIRA PEN
adalimumab	HUMIRA PEN CROHN'S-UC-HS
adalimumab	HUMIRA PEN PSOR-UEVITS-ADOL HS
adalimumab	HUMIRA(CF)
adalimumab	HUMIRA(CF) PEDIATRIC CROHN'S
adalimumab	HUMIRA(CF) PEN
adalimumab	HUMIRA(CF) PEN CROHN'S-UC-HS
adalimumab	HUMIRA(CF) PEN PEDIATRIC UC
adalimumab	HUMIRA(CF) PEN PSOR-UV-ADOL HS

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

Insulin Aspart-Containing Products	
insulin aspart	INSULIN ASPART
insulin aspart	INSULIN ASPART FLEXPEN
insulin aspart	INSULIN ASPART PENFILL
insulin aspart	NOVOLOG
insulin aspart	NOVOLOG FLEXPEN
insulin aspart	NOVOLOG PENFILL
insulin aspart (niacinamide)	FIASP
insulin aspart (niacinamide)	FIASP FLEXTOUCH
insulin aspart (niacinamide)	FIASP PENFILL
insulin aspart prot/insuln asp	INSULIN ASPART PROT MIX 70-30
insulin aspart prot/insuln asp	NOVOLOG MIX 70-30
insulin aspart prot/insuln asp	NOVOLOG MIX 70-30 FLEXPEN
Insulin Detemir-Containing Products	
insulin detemir	LEVEMIR
insulin detemir	LEVEMIR FLEXPEN
insulin detemir	LEVEMIR FLEXTOUCH
Insulin Nph-Containing Products	
insulin NPH hum/reg insulin hm	HUMULIN 50-50
insulin NPH hum/reg insulin hm	HUMULIN 70-30
insulin NPH hum/reg insulin hm	HUMULIN 70/30 KWIKPEN
insulin NPH hum/reg insulin hm	NOVOLIN 70-30
insulin NPH hum/reg insulin hm	NOVOLIN 70-30 FLEXPEN
insulin NPH hum/reg insulin hm	NOVOLIN 70-30 INNOLET
insulin NPH human isophane	HUMULIN N
insulin NPH human isophane	HUMULIN N KWIKPEN
insulin NPH human isophane	NOVOLIN N
insulin NPH human isophane	NOVOLIN N FLEXPEN
insulin NPH human isophane	NOVOLIN N INNOLET
Desvenlafaxine Fumarate (Khedezla And Equivalents Only)	
desvenlafaxine	KHEDEZLA
desvenlafaxine fumarate	DESVENLAFAXINE FUMARATE ER

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

Lamotrigine-Containing Products	
lamotrigine	LAMICTAL
lamotrigine	LAMICTAL (BLUE)
lamotrigine	LAMICTAL (GREEN)
lamotrigine	LAMICTAL (ORANGE)
lamotrigine	LAMICTAL ODT
lamotrigine	LAMICTAL ODT (BLUE)
lamotrigine	LAMICTAL ODT (GREEN)
lamotrigine	LAMICTAL ODT (ORANGE)
lamotrigine	LAMICTAL XR
lamotrigine	LAMICTAL XR (BLUE)
lamotrigine	LAMICTAL XR (GREEN)
lamotrigine	LAMICTAL XR (ORANGE)
lamotrigine	LAMOTRIGINE
lamotrigine	LAMOTRIGINE (BLUE)
lamotrigine	LAMOTRIGINE (GREEN)
lamotrigine	LAMOTRIGINE (ORANGE)
lamotrigine	LAMOTRIGINE ER
lamotrigine	LAMOTRIGINE ODT
lamotrigine	LAMOTRIGINE ODT (BLUE)
lamotrigine	LAMOTRIGINE ODT (GREEN)
lamotrigine	LAMOTRIGINE ODT (ORANGE)
lamotrigine	SUBVENITE
lamotrigine	SUBVENITE (BLUE)
lamotrigine	SUBVENITE (GREEN)
lamotrigine	SUBVENITE (ORANGE)
Levetiracetam-Containing Products	
levetiracetam	ELEPSIA XR
levetiracetam	KEPPRA
levetiracetam	KEPPRA XR
levetiracetam	LEVETIRACETAM
levetiracetam	LEVETIRACETAM ER
levetiracetam	ROWEEPRA
levetiracetam	ROWEEPRA XR
levetiracetam	SPRITAM
levetiracetam in NaCl (iso-os)	LEVETIRACETAM-NACL
Levonorgestrel Intrauterine Device (Liletta Only)	
levonorgestrel	LILETTA

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

Lisdexamfetamine-Containing Products	
lisdexamfetamine dimesylate	VYVANSE
Lurasidone-Containing Products	
lurasidone HCl	LATUDA
Hydroxyprogesterone Caproate (Makena Equivalents Only)	
hydroxyprogesterone caproat/PF	HYDROXYPROGESTERONE CAPROATE
hydroxyprogesterone caproate	HYDROXYPROGESTERONE CAPROATE
Methylphenidate-Containing Products	
methylphenidate	COTEMPLA XR-ODT
methylphenidate	DAYTRANA
methylphenidate	METHYLPHENIDATE
methylphenidate HCl	ADHANSIA XR
methylphenidate HCl	APTENSIO XR
methylphenidate HCl	CONCERTA
methylphenidate HCl	JORNAY PM
methylphenidate HCl	METADATE CD
methylphenidate HCl	METADATE ER
methylphenidate HCl	METHYLIN
methylphenidate HCl	METHYLIN ER
methylphenidate HCl	METHYLPHENIDATE ER
methylphenidate HCl	METHYLPHENIDATE ER (LA)
methylphenidate HCl	METHYLPHENIDATE HCL
methylphenidate HCl	METHYLPHENIDATE HCL CD
methylphenidate HCl	METHYLPHENIDATE HCL ER (CD)
methylphenidate HCl	METHYLPHENIDATE LA
methylphenidate HCl	METHYLPHENIDATE SR
methylphenidate HCl	QUILLICHEW ER
methylphenidate HCl	QUILLIVANT XR
methylphenidate HCl	RELEXXII
methylphenidate HCl	RITALIN
methylphenidate HCl	RITALIN LA
methylphenidate HCl	RITALIN-SR
Levonorgestrel Intrauterine Device (Mirena Only)	
levonorgestrel	MIRENA
Mirtazapine-Containing Products	
mirtazapine	MIRTAZAPINE
mirtazapine	REMERON

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

Non-Transdermal Nicotine Products	
nicotine	NICOTROL
nicotine	NICOTROL NS
nicotine polacrilex	COMMIT
nicotine polacrilex	NICORELIEF
nicotine polacrilex	NICORETTE
nicotine polacrilex	NICOTINE GUM
nicotine polacrilex	NICOTINE LOZENGE
nicotine polacrilex	QUIT 2
nicotine polacrilex	QUIT 4
nicotine polacrilex	STOP SMOKING AID
nicotine polacrilex	THRIVE NICOTINE
Nortriptyline-Containing Products	
nortriptyline HCl	NORTRIPTYLINE HCL
nortriptyline HCl	PAMELOR
Olanzapine-Containing Products	
olanzapine	OLANZAPINE
olanzapine	OLANZAPINE ODT
olanzapine	ZYPREXA
olanzapine	ZYPREXA ZYDIS
olanzapine pamoate	ZYPREXA RELPREVV
olanzapine/fluoxetine HCl	OLANZAPINE-FLUOXETINE HCL
olanzapine/fluoxetine HCl	SYMBYAX
olanzapine/samidorphane malate	LYBALVI
Aripiprazole-Containing Products	
aripiprazole	ABILIFY
aripiprazole	ABILIFY DISCMELT
aripiprazole	ABILIFY MAINTENA
aripiprazole	ABILIFY MYCITE
aripiprazole	ARIPIPAZOLE
aripiprazole	ARIPIPAZOLE ODT
aripiprazole lauroxil	ARISTADA
aripiprazole lauroxil, submicr.	ARISTADA INITIO
Pregabalin-Containing Products	
pregabalin	LYRICA
pregabalin	LYRICA CR
pregabalin	PREGABALIN
pregabalin	PREGABALIN ER

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

Desvenlafaxine Succinate (Pristiq And Equivalents Only)	
desvenlafaxine	DESVENLAFAXINE ER
desvenlafaxine succinate	DESVENLAFAXINE SUCCINATE ER
desvenlafaxine succinate	PRISTIQ
Quetiapine-Containing Products	
quetiapine fumarate	QUETIAPINE FUMARATE
quetiapine fumarate	QUETIAPINE FUMARATE ER
quetiapine fumarate	SEROQUEL
quetiapine fumarate	SEROQUEL XR
Risperidone-Containing Products	
risperidone	PERSERIS
risperidone	RISPERDAL
risperidone	RISPERDAL M-TAB
risperidone	RISPERIDONE
risperidone	RISPERIDONE ODT
risperidone microspheres	RISPERDAL CONSTA
Sertraline-Containing Products	
sertraline HCl	SERTRALINE HCL
sertraline HCl	ZOLOFT
Sumatriptan-Containing Products	
sumatriptan	IMITREX
sumatriptan	SUMATRIPTAN
sumatriptan	TOSYMRA
sumatriptan succ/naproxen sod	SUMATRIPTAN SUCC-NAPROXEN SOD
sumatriptan succ/naproxen sod	TREXIMET
sumatriptan succinate	ALSUMA
sumatriptan succinate	IMITREX
sumatriptan succinate	ONZETRA XSAIL
sumatriptan succinate	SUMATRIPTAN SUCCINATE
sumatriptan succinate	SUMAVEL DOSEPRO
sumatriptan succinate	ZECUITY
sumatriptan succinate	ZEMBRACE SYMTOUCH
Trazodone-Containing Products	
trazodone HCl	DESYREL
trazodone HCl	OLEPTRO ER
trazodone HCl	TRAZODONE HCL
trazodone/dietary supp. no.8	TRAZAMINE

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

Emtricitabine And Tenofovir Disoproxil Fumarate (Truvada Equivalents Only)	
emtricitabine/tenofovir (TDF)	EMTRICITABINE-TENOFOVIR DISOP
Venlafaxine-Containing Products	
venlafaxine HCl	EFFEXOR
venlafaxine HCl	EFFEXOR XR
venlafaxine HCl	VENLAFAXINE HCL
venlafaxine HCl	VENLAFAXINE HCL ER
venlafaxine besylate	VENLAFAXINE BESYLATE ER
Ethinyl Estradiol And Drospirenone (Yasmin Equivalents Only)	
ethinyl estradiol/drospirenone	DROSPIRENONE-ETHINYL ESTRADIOL
ethinyl estradiol/drospirenone	OCELLA
ethinyl estradiol/drospirenone	SYEDA
ethinyl estradiol/drospirenone	ZARAH
ethinyl estradiol/drospirenone	ZUMANDIMINE
Ethinyl Estradiol And Drospirenone (Yaz And Equivalents Only)	
ethinyl estradiol/drospirenone	DROSPIRENONE-ETHINYL ESTRADIOL
ethinyl estradiol/drospirenone	LO-ZUMANDIMINE
ethinyl estradiol/drospirenone	LORYNA
ethinyl estradiol/drospirenone	NIKKI
ethinyl estradiol/drospirenone	VESTURA
ethinyl estradiol/drospirenone	YAZ
Zolpidem-Containing Products	
zolpidem tartrate	AMBIEN
zolpidem tartrate	AMBIEN CR
zolpidem tartrate	EDLUAR
zolpidem tartrate	INTERMEZZO
zolpidem tartrate	ZOLPIDEM TARTRATE
zolpidem tartrate	ZOLPIDEM TARTRATE ER
zolpidem tartrate	ZOLPIMIST
Paroxetine-Containing Products	
paroxetine HCl	PAROXETINE CR
paroxetine HCl	PAROXETINE ER
paroxetine HCl	PAROXETINE HCL
paroxetine HCl	PAXIL
paroxetine HCl	PAXIL CR
paroxetine mesylate	BRISDELLE
paroxetine mesylate	PAROXETINE MESYLATE
paroxetine mesylate	PEXEVA

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

Duloxetine (Cymbalta Only)	
duloxetine HCl	CYMBALTA
Emtricitabine And Tenofovir Disoproxil Fumarate (Truvada Only)	
emtricitabine/tenofovir (TDF)	TRUVADA
Ethinyl Estradiol And Drospirenone (Yasmin Only)	
ethinyl estradiol/drospirenone	YASMIN 28
Etonogestrel And Ethinyl Estradiol (Nuvaring Only)	
etonogestrel/ethinyl estradiol	NUVARING
Hydroxyprogesterone Caproate (Makena Only)	
hydroxyprogesterone caproat/PF	MAKENA
hydroxyprogesterone caproate	MAKENA
Nicotine Nasal Spray Device (Nicotrol Ns Only)	
nicotine	Nicotrol NS
Nicotine Transdermal Device (Nicoderm Cq Only)	
nicotine	Nicoderm CQ
Nicotine Transdermal Device (Except Nicoderm Cq)	
Nicotine patches, legend	NICOTINE PATCH
Nicotine patches, nonlegend	NICOTINE PATCH
nicotine	NICOTINE PATCH
nicotine	nicotine
Varenicline (Chantix Only)	
varenicline tartrate	CHANTIX
Remdesivir (Veklury Only)	
remdesivir	Veklury
Semaglutide (Wegovy Only)	
semaglutide	Wegovy
Semaglutide (Ozempic Only)	
semaglutide	Ozempic
Semaglutide (Except Wegovy And Ozempic)	
semaglutide	Rybelsus
Sitagliptin-Containing Products	
ertugliflozin pidolate/sitagliptin phosphate	Steglujan
sitagliptin phosphate	Januvia
sitagliptin phosphate/metformin HCl	Janumet
sitagliptin phosphate/metformin HCl	Janumet XR
sitagliptin phosphate/simvastatin	Juvisync

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

Erenumab-Aooe (Aimovig Only)	
erenumab-aoee	Aimovig Autoinjector
erenumab-aoee	Aimovig Autoinjector (2 Pack)
Dupilumab (Dupixent Only)	
dupilumab	Dupilumab Pen
dupilumab	Dupilumab Syringe
Apremilast (Otezla Only)	
apremilast	Otezla
apremilast	Otezla Starter
Peginterferon Beta 1A (Plegridy Only)	
peginterferon beta-1a	Plegridy
Certolizumab Pegol (Cimzia Only)	
certolizumab pegol	Cimzia
certolizumab pegol	Cimzia Powder for Reconst
certolizumab pegol	Cimzia Starter Kit
Ulipristal (Ella Only)	
ulipristal acetate	Ella
Milnacipran (Savella Only)	
milnacipran HCl	Savella
Ustekinumab (Stelara Only)	
ustekinumab	Stelara
Armodafinil (Nuvigil Equivalents Only)	
armodafinil	armodafinil
Armodafinil (Nuvigil Only)	
armodafinil	Nuvigil
Modafinil (Provigil Equivalents Only)	
modafinil	modafinil
Modafinil (Provigil Only)	
modafinil	Provigil
Omalizumab (Xolair Only)	
omalizumab	Xolair
Doxylamine And Pyridoxine (Diclegis Equivalents Only)	
doxylamine succinate/vit B6	DOXYLAMINE SUCC-PYRIDOXINE HCL
Doxylamine And Pyridoxine-Containing Products (Bonjesta Only)	
doxylamine succinate/vit B6	BONJESTA
Varenicline-Containing Products (Except Chantix And Equivalents)	
varenicline tartrate	TYRVAYA
Doxylamine And Pyridoxine (Diclegis Only)	
doxylamine succinate/vit B6	DICLEGIS

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

Duloxetine (Except Cymbalta And Equivalents)	
duloxetine HCl	DRIZALMA SPRINKLE
Varenicline (Chantix Equivalents Only)	
varenicline tartrate	VARENICLINE
varenicline tartrate	VARENICLINE TARTRATE
Cyclosporine (Neoral Only)	
cyclosporine, modified	NEORAL

Appendix D. List of Healthcare Common Procedure Coding System, Level II (HCPCS) and National Drug Code (NDC) Codes Used to Define Exposures in this Request

Code	Description	Code Category	Code Type
aripiprazole (Abilify Maintena and equivalents only)			
59148001665	aripiprazole	Procedure	NDC
59148001870	aripiprazole	Procedure	NDC
59148001871	aripiprazole	Procedure	NDC
59148001970	aripiprazole	Procedure	NDC
59148001971	aripiprazole	Procedure	NDC
59148001991	aripiprazole	Procedure	NDC
59148004580	aripiprazole	Procedure	NDC
59148007280	aripiprazole	Procedure	NDC
59148007292	aripiprazole	Procedure	NDC
J0400	Injectionaripiprazoleintramusc	Procedure	HCPCS
J0401	Injectionaripiprazoleextendedr	Procedure	HCPCS
amitriptyline-containing products			
J1320	InjectionamitriptylineHClupto2	Procedure	HCPCS
aripiprazole lauroxil (Aristada Initio and equivalents only)			
65757050003	aripiprazolelauroxilsubmicroni	Procedure	NDC
C9035	InjectionaripiprazolelauroxilA	Procedure	HCPCS
J1943	InjectionaripiprazolelauroxilA	Procedure	HCPCS
aripiprazole lauroxil (Aristada and equivalents only)			
65757040101	aripiprazolelauroxil	Procedure	NDC
65757040103	aripiprazolelauroxil	Procedure	NDC
65757040201	aripiprazolelauroxil	Procedure	NDC
65757040203	aripiprazolelauroxil	Procedure	NDC
65757040301	aripiprazolelauroxil	Procedure	NDC
65757040303	aripiprazolelauroxil	Procedure	NDC
65757040401	aripiprazolelauroxil	Procedure	NDC
65757040403	aripiprazolelauroxil	Procedure	NDC
C9470	Injectionaripiprazolelauroxil1	Procedure	HCPCS
J1942	Injectionaripiprazolelauroxil1	Procedure	HCPCS
J1944	InjectionaripiprazolelauroxilA	Procedure	HCPCS
bupropion-containing products			
S0106	BupropionHCl sustainedreleaseta	Procedure	HCPCS
cyclosporine-containing products (except Neoral and equivalents)			
00078010901	cyclosporine	Procedure	NDC
00078010961	cyclosporine	Procedure	NDC
00517086601	cyclosporine	Procedure	NDC
00517086610	cyclosporine	Procedure	NDC
00574086601	cyclosporine	Procedure	NDC
00574086610	cyclosporine	Procedure	NDC
55390012210	cyclosporine	Procedure	NDC
C9438	Cyclosporineoral100mgbrandname	Procedure	HCPCS
J7502	Cyclosporineoral100mg	Procedure	HCPCS
J7515	Cyclosporineoral25mg	Procedure	HCPCS

Appendix D. List of Healthcare Common Procedure Coding System, Level II (HCPCS) and National Drug Code (NDC) Codes Used to Define Exposures in this Request

Code	Description	Code Category	Code Type
J7516	Cyclosporineparenteral250mg	Procedure	HCPCS
K0122	Cyclosporineparenteral250mg	Procedure	HCPCS
dextroamphetamine-containing products			
S0160	Dextroamphetaminesulfate5mg	Procedure	HCPCS
adalimumab (Humira only)			
00074006702	adalimumab	Procedure	NDC
00074012402	adalimumab	Procedure	NDC
00074012403	adalimumab	Procedure	NDC
00074012404	adalimumab	Procedure	NDC
00074012474	adalimumab	Procedure	NDC
00074024302	adalimumab	Procedure	NDC
00074055402	adalimumab	Procedure	NDC
00074055471	adalimumab	Procedure	NDC
00074061602	adalimumab	Procedure	NDC
00074081702	adalimumab	Procedure	NDC
00074153903	adalimumab	Procedure	NDC
00074254003	adalimumab	Procedure	NDC
00074379902	adalimumab	Procedure	NDC
00074379903	adalimumab	Procedure	NDC
00074379906	adalimumab	Procedure	NDC
00074433901	adalimumab	Procedure	NDC
00074433902	adalimumab	Procedure	NDC
00074433906	adalimumab	Procedure	NDC
00074433907	adalimumab	Procedure	NDC
00074433971	adalimumab	Procedure	NDC
00074433974	adalimumab	Procedure	NDC
00074634702	adalimumab	Procedure	NDC
00074937402	adalimumab	Procedure	NDC
54868482200	adalimumab	Procedure	NDC
J0135	Injectionadalimumab20mg	Procedure	HCPCS
insulin aspart-containing products			
00169210011	insulinaspart	Procedure	NDC
00169210112	insulinaspart	Procedure	NDC
00169210125	insulinaspart	Procedure	NDC
00169220011	insulinaspartprotaminehumanins	Procedure	NDC
00169220125	insulinaspartprotaminehumanins	Procedure	NDC
00169320111	insulinaspartniacinamide	Procedure	NDC
00169320415	insulinaspartniacinamide	Procedure	NDC
00169320511	insulinaspartniacinamide	Procedure	NDC
00169320515	insulinaspartniacinamide	Procedure	NDC
00169330312	insulinaspart	Procedure	NDC
00169368213	insulinaspartprotaminehumanins	Procedure	NDC
00169368512	insulinaspartprotaminehumanins	Procedure	NDC

Appendix D. List of Healthcare Common Procedure Coding System, Level II (HCPCS) and National Drug Code (NDC) Codes Used to Define Exposures in this Request

Code	Description	Code Category	Code Type
00169369619	insulinaspartprotaminehumanins	Procedure	NDC
00169633910	insulinaspart	Procedure	NDC
00169750111	insulinaspart	Procedure	NDC
50090166400	insulinaspart	Procedure	NDC
54868277700	insulinaspart	Procedure	NDC
54868520100	insulinaspartprotaminehumanins	Procedure	NDC
54868532700	insulinaspartprotaminehumanins	Procedure	NDC
54868532701	insulinaspartprotaminehumanins	Procedure	NDC
54868605400	insulinaspart	Procedure	NDC
68258889903	insulinaspart	Procedure	NDC
73070010011	insulinaspart	Procedure	NDC
73070010210	insulinaspart	Procedure	NDC
73070010215	insulinaspart	Procedure	NDC
73070010310	insulinaspart	Procedure	NDC
73070010315	insulinaspart	Procedure	NDC
73070020011	insulinaspartprotaminehumanins	Procedure	NDC
73070020310	insulinaspartprotaminehumanins	Procedure	NDC
73070020315	insulinaspartprotaminehumanins	Procedure	NDC
S5551	InsulinmostrapidonsetLisproora	Procedure	HCPCS
insulin detemir-containing products			
00169368712	insulindetemir	Procedure	NDC
00169643810	insulindetemir	Procedure	NDC
00169643890	insulindetemir	Procedure	NDC
00169643897	insulindetemir	Procedure	NDC
00169643910	insulindetemir	Procedure	NDC
54569630000	insulindetemir	Procedure	NDC
54569630100	insulindetemir	Procedure	NDC
54868011200	insulindetemir	Procedure	NDC
54868588300	insulindetemir	Procedure	NDC
insulin NPH-containing products			
00002831501	insulinNPHhumanisophane	Procedure	NDC
00002831517	insulinNPHhumanisophane	Procedure	NDC
00002831591	insulinNPHhumanisophane	Procedure	NDC
00002871501	insulinNPHhumanisophaneinsulin	Procedure	NDC
00002871517	insulinNPHhumanisophaneinsulin	Procedure	NDC
00002871591	insulinNPHhumanisophaneinsulin	Procedure	NDC
00002873001	insulinNPHhumanisophane	Procedure	NDC
00002873059	insulinNPHhumanisophane	Procedure	NDC
00002877001	insulinNPHhumanisophaneinsulin	Procedure	NDC
00002877059	insulinNPHhumanisophaneinsulin	Procedure	NDC
00002880301	insulinNPHhumanisophaneinsulin	Procedure	NDC
00002880359	insulinNPHhumanisophaneinsulin	Procedure	NDC
00002880501	insulinNPHhumanisophane	Procedure	NDC

Appendix D. List of Healthcare Common Procedure Coding System, Level II (HCPCS) and National Drug Code (NDC) Codes Used to Define Exposures in this Request

Code	Description	Code Category	Code Type
00002880559	insulinNPHhumanisophane	Procedure	NDC
00002951501	insulinNPHhumanisophaneinsulin	Procedure	NDC
00169183402	insulinNPHhumanisophane	Procedure	NDC
00169183411	insulinNPHhumanisophane	Procedure	NDC
00169183702	insulinNPHhumanisophaneinsulin	Procedure	NDC
00169183711	insulinNPHhumanisophaneinsulin	Procedure	NDC
00169231421	insulinNPHhumanisophane	Procedure	NDC
00169231721	insulinNPHhumanisophaneinsulin	Procedure	NDC
00169300415	insulinNPHhumanisophane	Procedure	NDC
00169300425	insulinNPHhumanisophane	Procedure	NDC
00169300701	insulinNPHhumanisophaneinsulin	Procedure	NDC
00169300712	insulinNPHhumanisophaneinsulin	Procedure	NDC
00169300715	insulinNPHhumanisophaneinsulin	Procedure	NDC
00169300725	insulinNPHhumanisophaneinsulin	Procedure	NDC
00169347418	insulinNPHhumanisophane	Procedure	NDC
00169347718	insulinNPHhumanisophaneinsulin	Procedure	NDC
49999099310	insulinNPHhumanisophaneinsulin	Procedure	NDC
54569231800	insulinNPHhumanisophane	Procedure	NDC
54569291800	insulinNPHhumanisophaneinsulin	Procedure	NDC
54569346700	insulinNPHhumanisophaneinsulin	Procedure	NDC
54569383500	insulinNPHhumanisophane	Procedure	NDC
54868142901	insulinNPHhumanisophane	Procedure	NDC
54868238001	insulinNPHhumanisophane	Procedure	NDC
54868274600	insulinNPHhumanisophaneinsulin	Procedure	NDC
54868347400	insulinNPHhumanisophaneinsulin	Procedure	NDC
54868582400	insulinNPHhumanisophaneinsulin	Procedure	NDC
55045350801	insulinNPHhumanisophaneinsulin	Procedure	NDC
58016478801	insulinNPHhumanisophane	Procedure	NDC
59060183402	insulinNPHhumanisophane	Procedure	NDC
59060183702	insulinNPHhumanisophaneinsulin	Procedure	NDC
68115072905	insulinNPHhumanisophane	Procedure	NDC
S5552	InsulinintermediateactingNPHor	Procedure	HCPCS
levetiracetam-containing products			
00143957401	levetiracetam	Procedure	NDC
00143957410	levetiracetam	Procedure	NDC
00143957425	levetiracetam	Procedure	NDC
00143967301	levetiracetam	Procedure	NDC
00143967310	levetiracetam	Procedure	NDC
00143967325	levetiracetam	Procedure	NDC
00409188602	levetiracetam	Procedure	NDC
00409188605	levetiracetam	Procedure	NDC
00409188615	levetiracetam	Procedure	NDC
00409188622	levetiracetam	Procedure	NDC

Appendix D. List of Healthcare Common Procedure Coding System, Level II (HCPCS) and National Drug Code (NDC) Codes Used to Define Exposures in this Request

Code	Description	Code Category	Code Type
00409201105	levetiracetam	Procedure	NDC
00409201125	levetiracetam	Procedure	NDC
00517360501	levetiracetam	Procedure	NDC
00517360525	levetiracetam	Procedure	NDC
14789011005	levetiracetaminsodiumchloridei	Procedure	NDC
14789011008	levetiracetaminsodiumchloridei	Procedure	NDC
14789022008	levetiracetaminsodiumchloridei	Procedure	NDC
14789022010	levetiracetaminsodiumchloridei	Procedure	NDC
14789033008	levetiracetaminsodiumchloridei	Procedure	NDC
14789033015	levetiracetaminsodiumchloridei	Procedure	NDC
14789040005	levetiracetam	Procedure	NDC
25021078005	levetiracetam	Procedure	NDC
39822400001	levetiracetam	Procedure	NDC
43547045410	levetiracetam	Procedure	NDC
43547045441	levetiracetam	Procedure	NDC
43598063510	levetiracetaminsodiumchloridei	Procedure	NDC
43598063552	levetiracetaminsodiumchloridei	Procedure	NDC
43598063610	levetiracetaminsodiumchloridei	Procedure	NDC
43598063652	levetiracetaminsodiumchloridei	Procedure	NDC
43598063710	levetiracetaminsodiumchloridei	Procedure	NDC
43598063752	levetiracetaminsodiumchloridei	Procedure	NDC
43598075510	levetiracetaminsodiumchloridei	Procedure	NDC
43598075552	levetiracetaminsodiumchloridei	Procedure	NDC
43598075710	levetiracetaminsodiumchloridei	Procedure	NDC
43598075752	levetiracetaminsodiumchloridei	Procedure	NDC
43598075910	levetiracetaminsodiumchloridei	Procedure	NDC
43598075952	levetiracetaminsodiumchloridei	Procedure	NDC
44567050001	levetiracetaminsodiumchloridei	Procedure	NDC
44567050010	levetiracetaminsodiumchloridei	Procedure	NDC
44567050101	levetiracetaminsodiumchloridei	Procedure	NDC
44567050110	levetiracetaminsodiumchloridei	Procedure	NDC
44567050201	levetiracetaminsodiumchloridei	Procedure	NDC
44567050210	levetiracetaminsodiumchloridei	Procedure	NDC
44567050301	levetiracetaminsodiumchloridei	Procedure	NDC
44567050310	levetiracetaminsodiumchloridei	Procedure	NDC
50474000263	levetiracetam	Procedure	NDC
51224001301	levetiracetam	Procedure	NDC
51224001310	levetiracetam	Procedure	NDC
51224001325	levetiracetam	Procedure	NDC
55150017705	levetiracetam	Procedure	NDC
55150024647	levetiracetaminsodiumchloridei	Procedure	NDC
55150024747	levetiracetaminsodiumchloridei	Procedure	NDC
55150024847	levetiracetaminsodiumchloridei	Procedure	NDC

Appendix D. List of Healthcare Common Procedure Coding System, Level II (HCPCS) and National Drug Code (NDC) Codes Used to Define Exposures in this Request

Code	Description	Code Category	Code Type
62756051340	levetiracetam	Procedure	NDC
62756051344	levetiracetam	Procedure	NDC
63323040005	levetiracetam	Procedure	NDC
63323040009	levetiracetam	Procedure	NDC
63323040041	levetiracetam	Procedure	NDC
63323040044	levetiracetam	Procedure	NDC
67457025500	levetiracetaminsodiumchloridei	Procedure	NDC
67457025510	levetiracetaminsodiumchloridei	Procedure	NDC
67457026500	levetiracetaminsodiumchloridei	Procedure	NDC
67457026510	levetiracetaminsodiumchloridei	Procedure	NDC
67457026600	levetiracetaminsodiumchloridei	Procedure	NDC
67457026610	levetiracetaminsodiumchloridei	Procedure	NDC
67457079000	levetiracetam	Procedure	NDC
67457079005	levetiracetam	Procedure	NDC
70860060241	levetiracetaminsodiumchloridei	Procedure	NDC
70860060282	levetiracetaminsodiumchloridei	Procedure	NDC
70860060341	levetiracetaminsodiumchloridei	Procedure	NDC
70860060382	levetiracetaminsodiumchloridei	Procedure	NDC
70860060441	levetiracetaminsodiumchloridei	Procedure	NDC
70860060482	levetiracetaminsodiumchloridei	Procedure	NDC
72485010601	levetiracetam	Procedure	NDC
72485010610	levetiracetam	Procedure	NDC
C9238	Injectionlevetiracetam10mg	Procedure	HCPCS
J1953	Injectionlevetiracetam10mg	Procedure	HCPCS
levonorgestrel-containing intrauterine device products (except Liletta and Mirena)			
50419042201	levonorgestrel	Procedure	NDC
50419042401	levonorgestrel	Procedure	NDC
50419042408	levonorgestrel	Procedure	NDC
A4260	Levonorgestrelcontraceptiveimp	Procedure	HCPCS
J7296	Levonorgestrelreleasingintraut	Procedure	HCPCS
J7301	Levonorgestrelreleasingintraut	Procedure	HCPCS
J7306	Levonorgestrelcontraceptiveimp	Procedure	HCPCS
Q0090	Levonorgestrelreleasingintraut	Procedure	HCPCS
Q9984	Levonorgestrelreleasingintraut	Procedure	HCPCS
S4980	Levonorgestrelreleasingintraut	Procedure	HCPCS
S4981	Insertionoflevonorgestrelrelea	Procedure	HCPCS
levonorgestrel intrauterine device (Liletta only)			
00023585801	levonorgestrel	Procedure	NDC
52544003554	levonorgestrel	Procedure	NDC
J7297	Levonorgestrelreleasingintraut	Procedure	HCPCS
hydroxyprogesterone caproate (Makena equivalents only)			
00517176701	hydroxyprogesteronecaproatePF	Procedure	NDC
00517179101	hydroxyprogesteronecaproatePF	Procedure	NDC

Appendix D. List of Healthcare Common Procedure Coding System, Level II (HCPCS) and National Drug Code (NDC) Codes Used to Define Exposures in this Request

Code	Description	Code Category	Code Type
55150030901	hydroxyprogesteronecaproatePF	Procedure	NDC
55150031001	hydroxyprogesteronecaproate	Procedure	NDC
62559054015	hydroxyprogesteronecaproate	Procedure	NDC
66993003883	hydroxyprogesteronecaproatePF	Procedure	NDC
66993003901	hydroxyprogesteronecaproate	Procedure	NDC
67457088605	hydroxyprogesteronecaproate	Procedure	NDC
67457096701	hydroxyprogesteronecaproatePF	Procedure	NDC
69238179701	hydroxyprogesteronecaproatePF	Procedure	NDC
71225010401	hydroxyprogesteronecaproate	Procedure	NDC
71225010501	hydroxyprogesteronecaproatePF	Procedure	NDC
J1725	Injectionhydroxyprogesteroneca	Procedure	HCPCS
J1726	Injectionhydroxyprogesteroneca	Procedure	HCPCS
J1729	Injectionhydroxyprogesteroneca	Procedure	HCPCS
J1739	Injectionhydroxyprogesteroneca	Procedure	HCPCS
Q9985	Injectionhydroxyprogesteroneca	Procedure	HCPCS
Q9986	Injectionhydroxyprogesteroneca	Procedure	HCPCS
levonorgestrel intrauterine device (Mirena only)			
50419042101	levonorgestrel	Procedure	NDC
50419042301	levonorgestrel	Procedure	NDC
50419042308	levonorgestrel	Procedure	NDC
J7298	Levonorgestrelreleasingintraut	Procedure	HCPCS
J7302	Levonorgestrelreleasingintraut	Procedure	HCPCS
etonogestrel and ethinyl estradiol (Nuvaring equivalents only)			
J7295	Ethinylestradiolandetonogestre	Procedure	HCPCS
J7307	Etonogestrelcontraceptiveimpla	Procedure	HCPCS
S0180	Etonogestrelcontraceptiveimpla	Procedure	HCPCS
olanzapine-containing products			
00002759701	olanzapine	Procedure	NDC
00002763511	olanzapinepamoate	Procedure	NDC
00002763611	olanzapinepamoate	Procedure	NDC
00002763711	olanzapinepamoate	Procedure	NDC
00002765801	olanzapinepamoate	Procedure	NDC
00002765901	olanzapinepamoate	Procedure	NDC
00002766001	olanzapinepamoate	Procedure	NDC
00517095501	olanzapine	Procedure	NDC
00781315972	olanzapine	Procedure	NDC
00781910572	olanzapine	Procedure	NDC
55150030801	olanzapine	Procedure	NDC
J2358	Injectionolanzapinelongacting1	Procedure	HCPCS
S0166	Injectionolanzapine25mg	Procedure	HCPCS
aripiprazole-containing products			
59148001665	aripiprazole	Procedure	NDC
59148001870	aripiprazole	Procedure	NDC

Appendix D. List of Healthcare Common Procedure Coding System, Level II (HCPCS) and National Drug Code (NDC) Codes Used to Define Exposures in this Request

Code	Description	Code Category	Code Type
59148001871	aripiprazole	Procedure	NDC
59148001970	aripiprazole	Procedure	NDC
59148001971	aripiprazole	Procedure	NDC
59148001991	aripiprazole	Procedure	NDC
59148004580	aripiprazole	Procedure	NDC
59148007280	aripiprazole	Procedure	NDC
59148007292	aripiprazole	Procedure	NDC
65757040101	aripiprazolelauroxil	Procedure	NDC
65757040103	aripiprazolelauroxil	Procedure	NDC
65757040201	aripiprazolelauroxil	Procedure	NDC
65757040203	aripiprazolelauroxil	Procedure	NDC
65757040301	aripiprazolelauroxil	Procedure	NDC
65757040303	aripiprazolelauroxil	Procedure	NDC
65757040401	aripiprazolelauroxil	Procedure	NDC
65757040403	aripiprazolelauroxil	Procedure	NDC
65757050003	aripiprazolelauroxilsubmicroni	Procedure	NDC
C9035	InjectionaripiprazolelauroxilA	Procedure	HCPCS
C9470	Injectionaripiprazolelauroxil1	Procedure	HCPCS
J0400	Injectionaripiprazoleintramusc	Procedure	HCPCS
J0401	Injectionaripiprazoleextendedr	Procedure	HCPCS
J1942	Injectionaripiprazolelauroxil1	Procedure	HCPCS
J1943	InjectionaripiprazolelauroxilA	Procedure	HCPCS
J1944	InjectionaripiprazolelauroxilA	Procedure	HCPCS
risperidone-containing products			
12496009001	risperidone	Procedure	NDC
12496009002	risperidone	Procedure	NDC
12496012001	risperidone	Procedure	NDC
50458030601	risperidonemicrospheres	Procedure	NDC
50458030611	risperidonemicrospheres	Procedure	NDC
50458030701	risperidonemicrospheres	Procedure	NDC
50458030711	risperidonemicrospheres	Procedure	NDC
50458030801	risperidonemicrospheres	Procedure	NDC
50458030811	risperidonemicrospheres	Procedure	NDC
50458030901	risperidonemicrospheres	Procedure	NDC
50458030911	risperidonemicrospheres	Procedure	NDC
C9037	InjectionrisperidonePerseris05	Procedure	HCPCS
C9125	Injectionrisperidoneper125mg	Procedure	HCPCS
J2794	InjectionrisperidoneRISPERDALC	Procedure	HCPCS
J2798	InjectionrisperidonePerseris05	Procedure	HCPCS
S0163	Injectionrisperidoneolongacting	Procedure	HCPCS
sumatriptan-containing products			
00093201312	sumatriptansuccinate	Procedure	NDC
00093201334	sumatriptansuccinate	Procedure	NDC

Appendix D. List of Healthcare Common Procedure Coding System, Level II (HCPCS) and National Drug Code (NDC) Codes Used to Define Exposures in this Request

Code	Description	Code Category	Code Type
00093201412	sumatriptansuccinate	Procedure	NDC
00093201434	sumatriptansuccinate	Procedure	NDC
00143963801	sumatriptansuccinate	Procedure	NDC
00143963805	sumatriptansuccinate	Procedure	NDC
00173044902	sumatriptansuccinate	Procedure	NDC
00173047800	sumatriptansuccinate	Procedure	NDC
00173047900	sumatriptansuccinate	Procedure	NDC
00173052300	sumatriptan	Procedure	NDC
00173052400	sumatriptan	Procedure	NDC
00173073900	sumatriptansuccinate	Procedure	NDC
00173073902	sumatriptansuccinate	Procedure	NDC
00245080938	sumatriptansuccinate	Procedure	NDC
00245080989	sumatriptansuccinate	Procedure	NDC
00245081261	sumatriptan	Procedure	NDC
00245081289	sumatriptan	Procedure	NDC
00527181843	sumatriptan	Procedure	NDC
00527185943	sumatriptan	Procedure	NDC
00703735101	sumatriptansuccinate	Procedure	NDC
00703735102	sumatriptansuccinate	Procedure	NDC
00781316907	sumatriptansuccinate	Procedure	NDC
00781317007	sumatriptansuccinate	Procedure	NDC
00781317207	sumatriptansuccinate	Procedure	NDC
00781317307	sumatriptansuccinate	Procedure	NDC
00781317414	sumatriptansuccinate	Procedure	NDC
00781317471	sumatriptansuccinate	Procedure	NDC
00781323147	sumatriptansuccinate	Procedure	NDC
00781652306	sumatriptan	Procedure	NDC
00781652386	sumatriptan	Procedure	NDC
00781652406	sumatriptan	Procedure	NDC
00781652486	sumatriptan	Procedure	NDC
16714004001	sumatriptansuccinate	Procedure	NDC
16714004002	sumatriptansuccinate	Procedure	NDC
25021070360	sumatriptansuccinate	Procedure	NDC
25021070370	sumatriptansuccinate	Procedure	NDC
27505000200	sumatriptansuccinate	Procedure	NDC
42023012105	sumatriptansuccinate	Procedure	NDC
42254029701	sumatriptansuccinate	Procedure	NDC
42847031108	sumatriptansuccinate	Procedure	NDC
43376010401	sumatriptansuccinate	Procedure	NDC
43376010406	sumatriptansuccinate	Procedure	NDC
43376010601	sumatriptansuccinate	Procedure	NDC
43376010606	sumatriptansuccinate	Procedure	NDC
45802059800	sumatriptan	Procedure	NDC

Appendix D. List of Healthcare Common Procedure Coding System, Level II (HCPCS) and National Drug Code (NDC) Codes Used to Define Exposures in this Request

Code	Description	Code Category	Code Type
45802059806	sumatriptan	Procedure	NDC
45802061900	sumatriptan	Procedure	NDC
45802061906	sumatriptan	Procedure	NDC
47335027640	sumatriptansuccinate	Procedure	NDC
47335027641	sumatriptansuccinate	Procedure	NDC
49884048252	sumatriptansuccinate	Procedure	NDC
49884048299	sumatriptansuccinate	Procedure	NDC
49884048352	sumatriptansuccinate	Procedure	NDC
49884048399	sumatriptansuccinate	Procedure	NDC
49884051678	sumatriptansuccinate	Procedure	NDC
49999082206	sumatriptan	Procedure	NDC
54569370400	sumatriptansuccinate	Procedure	NDC
54868265200	sumatriptansuccinate	Procedure	NDC
54868265201	sumatriptansuccinate	Procedure	NDC
54868318000	sumatriptansuccinate	Procedure	NDC
54868318100	sumatriptansuccinate	Procedure	NDC
54868460600	sumatriptan	Procedure	NDC
54868476400	sumatriptan	Procedure	NDC
54868605200	sumatriptan	Procedure	NDC
55045327101	sumatriptansuccinate	Procedure	NDC
55045350201	sumatriptan	Procedure	NDC
55045351201	sumatriptansuccinate	Procedure	NDC
55045373206	sumatriptan	Procedure	NDC
55111069305	sumatriptansuccinate	Procedure	NDC
55111069312	sumatriptansuccinate	Procedure	NDC
55150017301	sumatriptansuccinate	Procedure	NDC
55150017305	sumatriptansuccinate	Procedure	NDC
55390031510	sumatriptansuccinate	Procedure	NDC
55390032502	sumatriptansuccinate	Procedure	NDC
58016123101	sumatriptan	Procedure	NDC
60429099401	sumatriptansuccinate	Procedure	NDC
60429099402	sumatriptansuccinate	Procedure	NDC
60429099501	sumatriptansuccinate	Procedure	NDC
60429099505	sumatriptansuccinate	Procedure	NDC
63323027301	sumatriptansuccinate	Procedure	NDC
63323027385	sumatriptansuccinate	Procedure	NDC
63323027485	sumatriptansuccinate	Procedure	NDC
63481022901	sumatriptansuccinate	Procedure	NDC
63481022906	sumatriptansuccinate	Procedure	NDC
63481036706	sumatriptansuccinate	Procedure	NDC
64597031108	sumatriptansuccinate	Procedure	NDC
64679072801	sumatriptansuccinate	Procedure	NDC
64679072808	sumatriptansuccinate	Procedure	NDC

Appendix D. List of Healthcare Common Procedure Coding System, Level II (HCPCS) and National Drug Code (NDC) Codes Used to Define Exposures in this Request

Code	Description	Code Category	Code Type
66860002206	sumatriptansuccinate	Procedure	NDC
66993008169	sumatriptan	Procedure	NDC
66993008269	sumatriptan	Procedure	NDC
66993008379	sumatriptansuccinate	Procedure	NDC
66993008398	sumatriptansuccinate	Procedure	NDC
66993008479	sumatriptansuccinate	Procedure	NDC
66993008498	sumatriptansuccinate	Procedure	NDC
67457087900	sumatriptansuccinate	Procedure	NDC
67457087905	sumatriptansuccinate	Procedure	NDC
67457088000	sumatriptansuccinate	Procedure	NDC
67457088005	sumatriptansuccinate	Procedure	NDC
67857080937	sumatriptansuccinate	Procedure	NDC
67857080938	sumatriptansuccinate	Procedure	NDC
67857081261	sumatriptan	Procedure	NDC
67857081262	sumatriptan	Procedure	NDC
68115077002	sumatriptansuccinate	Procedure	NDC
69097064448	sumatriptan	Procedure	NDC
70069080401	sumatriptansuccinate	Procedure	NDC
70069080405	sumatriptansuccinate	Procedure	NDC
70594006801	sumatriptansuccinate	Procedure	NDC
70594006802	sumatriptansuccinate	Procedure	NDC
71921017061	sumatriptan	Procedure	NDC
J3030	Injectionsumatriptansuccinate6	Procedure	HCPCS
hydroxyprogesterone caproate (Makena only)			
64011024301	hydroxyprogesteronecaproate	Procedure	NDC
64011024301	hydroxyprogesteronecaproate	RX	ND
64011024702	hydroxyprogesteronecaproatePF	Procedure	NDC
64011024702	hydroxyprogesteronecaproatePF	RX	ND
64011030103	hydroxyprogesteronecaproatePF	Procedure	NDC
64011030103	hydroxyprogesteronecaproatePF	RX	ND
semaglutide (Wegovy only)			
00169450101	semaglutide	Procedure	NDC
00169450114	semaglutide	Procedure	NDC
00169450501	semaglutide	Procedure	NDC
00169450514	semaglutide	Procedure	NDC
00169451701	semaglutide	Procedure	NDC
00169451714	semaglutide	Procedure	NDC
00169452401	semaglutide	Procedure	NDC
00169452414	semaglutide	Procedure	NDC
00169452501	semaglutide	Procedure	NDC
00169452514	semaglutide	Procedure	NDC
00169452590	semaglutide	Procedure	NDC
00169452594	semaglutide	Procedure	NDC

Appendix D. List of Healthcare Common Procedure Coding System, Level II (HCPCS) and National Drug Code (NDC) Codes Used to Define Exposures in this Request

Code	Description	Code Category	Code Type
50090582400	semaglutide	Procedure	NDC
semaglutide (Ozempic only)			
00169413001	semaglutide	Procedure	NDC
00169413013	semaglutide	Procedure	NDC
00169413211	semaglutide	Procedure	NDC
00169413212	semaglutide	Procedure	NDC
00169413602	semaglutide	Procedure	NDC
00169413611	semaglutide	Procedure	NDC
00169477211	semaglutide	Procedure	NDC
00169477212	semaglutide	Procedure	NDC
50090594900	semaglutide	Procedure	NDC
ereenumab-aooe (Aimovig only)			
55513084101	ereenumab-aooe	Procedure	NDC
55513084102	ereenumab-aooe	Procedure	NDC
55513084301	ereenumab-aooe	Procedure	NDC

Appendix E. Specifications for Type 4 Request: cder_mpl1p_wp083

Query period (bound by the delivery date): 01/01/2008 - most recent available
Coverage requirement: *Medical & Drug Coverage
Pre- estimated pregnancy start enrollment: 0
Post-delivery enrollment: 0
Enrollment gap: 45
Age groups (calculated at delivery date): 10-17 18-24 25-34 35-44 45-54
Sex: Female only
Stratifications: MOI Name; trimester; years on the market; pre/term/post; eligibility
Output by gestational week: N
Restrictions: ASO; Demographic restrictions
Envelope macro: *Reclassify encounters during inpatient stay as inpatient
Freeze data: N

Pregnancy Episode Creation

Scenario	Group	Delivery Definition	Pregnancy Cohort Definition	Delivery Care Setting	Delivery Washout Period	Pregnancy Duration Definition (Pre/PostTerm Codes)	Pre/Post-Term Code Evaluation Window Relative to Delivery Date	Pregnancy Duration in Absence of Pre/Post-Term Codes	MOI	Exposure Definition
1	Preg	Use Pregnancy Algorithm Codes	Cohort includes all valid pregnancy episodes during the query period	Inpatient hospital stay, any diagnosis position	180 for all pregnancy outcomes	Use Pregnancy Algorithm Codes*	7 days (recommended by MEPREP algorithm)	273 days (recommended by MEPREP algorithm)	See MOI list*	All valid MOI exposure episodes during pregnancy episode

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

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

Appendix E. Specifications for Type 4 Request: cder_mpl1p_wp083

Query period (bound by the delivery date): 01/01/2008 - most recent available

Coverage requirement: *Medical & Drug Coverage

Pre-estimated pregnancy start enrollment: 0

Post-delivery enrollment: 0

Enrollment gap: 45

Age groups (calculated at delivery date): 10-17 18-24 25-34 35-44 45-54

Sex: Female only

Stratifications: MOI Name; trimester; years on the market; pre/term/post; eligibility

Output by gestational week: N

Restrictions: ASO; Demographic restrictions

Envelope macro: *Reclassify encounters during inpatient stay as inpatient

Freeze data: N

Medical Product of Interest (MOI) Exposure Episode Creation

Incident MOI washout period	MOI episode gap	Blackout period (relative to pregnancy start)	Remove MOI on delivery date	Care setting	Principal diagnosis position	Inclusion/Exclusion group	Criteria
0	0 days	0	Do not exclude MOIs with Adate equivalent to pregnancy delivery date	Any	N/A	N/A	N/A

Appendix F. Drug Concepts and Medical Products of Interest for Request cder_mpl1p_wp083_nsdv_v01

Drug Concept ¹	Medical Product of Interest (MOI)	Drug Type	Drug Concept	MOI has	Pregnancy-Related Source List	MOI earliest approval date
	adalimumab (Humira only)*	Biological	Yes	Yes	PMR PMC as of May 31	12/31/2002
amitriptyline	amitriptyline-containing products	Small molecule	No	No	OWH Registries	6/2/1961
amphetamine	amphetamine-containing products	Small molecule	No	No	OWH Registries	2/13/1996
aripiprazole	aripiprazole (Abilify and equivalents only)	Small molecule	No	No	OWH Registries	11/15/2002
aripiprazole	aripiprazole (Abilify Maintena and equivalents only)	Small molecule	No	No	OWH Registries	9/20/2006
aripiprazole	aripiprazole lauroxil (Aristada and equivalents only)	Small molecule	No	No	OWH Registries	10/5/2015
aripiprazole	aripiprazole lauroxil (Aristada Initio and equivalents only)	Small molecule	No	No	OWH Registries	6/29/2018
aripiprazole	aripiprazole-containing products	Small molecule	No	No	OWH Registries	11/15/2002
bupropion	bupropion-containing products	Small molecule	No	No	OWH Registries, ClinicalTrials	12/30/1985
citalopram	citalopram-containing products	Small molecule	No	No	OWH Registries	7/17/1998
cyclosporine	cyclosporine (Neoral equivalents only)	Small molecule	Yes	No	PMR PMC as of May 31	1/13/2000
cyclosporine	cyclosporine (Neoral only)	Small molecule	Yes	Yes	PMR PMC as of May 31	7/13/1995
cyclosporine	cyclosporine-containing products (except Neoral and	Small molecule	Yes	No	PMR PMC as of May 31	9/30/1990
desvenlafaxine	desvenlafaxine fumarate (Khedeza and equivalents	Small molecule	No	No	OWH Registries	7/10/2013
desvenlafaxine	desvenlafaxine succinate (Pristiq and equivalents only)	Small molecule	No	No	OWH Registries	2/29/2008
desvenlafaxine	desvenlafaxine-containing products	Small molecule	No	No	OWH Registries	2/29/2008

Appendix F. Drug Concepts and Medical Products of Interest for Request cder_mpl1p_wp083_nsdv_v01

Drug Concept ¹	Medical Product of Interest (MOI)	Drug Type	Drug Concept	MOI has	Pregnancy-Related Source List	MOI earliest approval date
dextroamphetamine	dextroamphetamine-containing products	Small molecule	No	No	OWH Registries	9/30/1990
doxylamine and pyridoxine	doxylamine and pyridoxine (Diclegis equivalents only)	Small molecule	Yes	No	PMR PMC as of May 31	8/19/2016
doxylamine and pyridoxine	doxylamine and pyridoxine (Diclegis only)	Small molecule	Yes	Yes	PMR PMC as of May 31	4/8/2013
doxylamine and pyridoxine	doxylamine and pyridoxine-containing products	Small molecule	Yes	Yes	PMR PMC as of May 31	11/7/2016
duloxetine	duloxetine (Cymbalta equivalents only)	Small molecule	Yes	No	PMR PMC as of May 31, ClinicalTrials	12/11/2013
duloxetine	duloxetine (Cymbalta only)	Small molecule	Yes	Yes	PMR PMC as of May 31, ClinicalTrials	8/3/2004
duloxetine	duloxetine (except Cymbalta and equivalents)	Small molecule	Yes	No	PMR PMC as of May 31, ClinicalTrials	7/19/2019
emtricitabine and tenofovir disoproxil fumarate	emtricitabine and tenofovir disoproxil fumarate (Truvada)	Small molecule	Yes	No	PMR PMC as of May 31	6/8/2017
emtricitabine and tenofovir disoproxil fumarate	emtricitabine and tenofovir disoproxil fumarate (Truvada)	Small molecule	Yes	Yes	PMR PMC as of May 31	8/2/2004
emtricitabine and tenofovir disoproxil fumarate	emtricitabine and tenofovir disoproxil fumarate-	Small molecule	Yes	No	PMR PMC as of May 31	7/12/2006
<i>erenumab</i>	<i>erenumab-aooe (Aimovig only)*</i>	<i>Biological</i>	<i>Yes</i>	<i>Yes</i>	<i>PMR PMC as of May 31, OWH Registries</i>	<i>5/17/2018</i>
escitalopram	escitalopram-containing products	Small molecule	No	No	OWH Registries	8/16/2002
ethinyl estradiol and drospirenone	ethinyl estradiol and drospirenone (Beyaz and	Small molecule	No	No	PMR PMC as of May 31	9/24/2010
ethinyl estradiol and drospirenone	ethinyl estradiol and drospirenone (Yasmin	Small molecule	Yes	No	PMR PMC as of May 31	3/18/2010
ethinyl estradiol and drospirenone	ethinyl estradiol and drospirenone (Yasmin only)	Small molecule	Yes	Yes	PMR PMC as of May 31	5/11/2001
ethinyl estradiol and drospirenone	ethinyl estradiol and drospirenone (Yaz and	Small molecule	No	No	PMR PMC as of May 31	3/16/2006

Appendix F. Drug Concepts and Medical Products of Interest for Request cder_mpl1p_wp083_nsdv_v01

Drug Concept ¹	Medical Product of Interest (MOI)	Drug Type	Drug Concept	MOI has	Pregnancy-Related Source List	MOI earliest approval date
ethinyl estradiol and drospirenone	ethinyl estradiol and drospirenone-containing	Small molecule	No	No	PMR PMC as of May 31	3/16/2006
etonogestrel and ethinyl estradiol	etonogestrel and ethinyl estradiol (Nuvaring	Small molecule	Yes	No	PMR PMC as of May 31	12/11/2019
etonogestrel and ethinyl estradiol	etonogestrel and ethinyl estradiol (Nuvaring only)	Small molecule	Yes	Yes	PMR PMC as of May 31	10/3/2001
fluoxetine	fluoxetine-containing products	Small molecule	No	No	OWH Registries	12/29/1987
hydroxyprogesterone caproate	hydroxyprogesterone caproate (Makena	Small molecule	Yes	No	PMR PMC as of May 31	8/24/2015
hydroxyprogesterone caproate	hydroxyprogesterone caproate (Makena only)	Small molecule	Yes	Yes	PMR PMC as of May 31	2/3/2011
insulin aspart	insulin aspart-containing products	Small molecule	No	No	ClinicalTrials	6/7/2000
insulin detemir	insulin detemir-containing products	Small molecule	No	No	ClinicalTrials	6/16/2005
insulin NPH	insulin NPH-containing products	Small molecule	No	No	ClinicalTrials	9/30/1990
lamotrigine	lamotrigine-containing products	Small molecule	No	No	ClinicalTrials	12/27/1994
levetiracetam	levetiracetam-containing products	Small molecule	No	No	Ad Hoc	11/30/1999
levonorgestrel intrauterine device	levonorgestrel intrauterine device (Liletta only)	Small molecule	Yes	Yes	PMR PMC as of May 31, ClinicalTrials	2/26/2015
levonorgestrel intrauterine device	levonorgestrel intrauterine device (Mirena only)	Small molecule	Yes	Yes	PMR PMC as of May 31, ClinicalTrials	12/2/2000
levonorgestrel intrauterine device	levonorgestrel-containing intrauterine device products	Small molecule	Yes	No	PMR PMC as of May 31, ClinicalTrials	1/9/2013
lisdexamfetamine	lisdexamfetamine-containing products	Small molecule	No	No	OWH Registries	2/23/2007
lurasidone	lurasidone-containing products	Small molecule	No	No	OWH Registries	10/28/2010

Appendix F. Drug Concepts and Medical Products of Interest for Request cder_mpl1p_wp083_nsdv_v01

Drug Concept ¹	Medical Product of Interest (MOI)	Drug Type	Drug Concept	MOI has	Pregnancy-Related Source List	MOI earliest approval date
methylphenidate	methylphenidate-containing products	Small molecule	No	No	OWH Registries	12/5/1955
mirtazapine	mirtazapine-containing products	Small molecule	No	No	OWH Registries	6/14/1996
nicotine	nicotine nasal spray device (Nicotrol NS only)*	Small molecule	Yes	Yes	PMR PMC as of May 31	6/30/1995
nicotine	nicotine transdermal device (except Nicoderm CQ)	Small molecule	Yes	Yes	PMR PMC as of May 31	10/20/1997
nicotine	nicotine transdermal device (Habitrol only)					
nicotine	nicotine transdermal device (Nicoderm CQ only)	Small molecule	Yes	Yes	PMR PMC as of May 31	9/3/1996
nicotine	nicotine-containing non-transdermal products	Small molecule	Yes	No	PMR PMC as of May 31	8/24/1999
nortriptyline	nortriptyline-containing products	Small molecule	No	No	OWH Registries	8/1/1977
olanzapine	olanzapine-containing products	Small molecule	No	No	OWH Registries	12/24/2003
paroxetine	paroxetine-containing products	Small molecule	No	No	OWH Registries	12/29/1992
pregabalin	pregabalin-containing products	Small molecule	No	No	OWH Registries	12/30/2004
quetiapine	quetiapine-containing products	Small molecule	No	No	OWH Registries	9/29/1997
<i>remdesivir</i>	<i>remdesivir (Veklury only)*</i>	<i>Small molecule</i>	<i>Yes</i>	<i>Yes</i>	<i>PMR PMC as of May 31</i>	<i>10/22/2020</i>
risperidone	risperidone-containing products	Small molecule	No	No	OWH Registries	12/29/1993
<i>semaglutide</i>	<i>semaglutide (except Wegovy and Ozempic)</i>	<i>Small molecule</i>	<i>Yes</i>	<i>No</i>	<i>PMR PMC as of May 31</i>	<i>9/20/2019</i>
<i>semaglutide</i>	<i>semaglutide (Ozempic only)</i>	<i>Small molecule</i>	<i>Yes</i>	<i>No</i>	<i>PMR PMC as of May 31</i>	<i>12/5/2017</i>

Appendix F. Drug Concepts and Medical Products of Interest for Request cder_mpl1p_wp083_nsdv_v01

Drug Concept ¹	Medical Product of Interest (MOI)	Drug Type	Drug Concept	MOI has	Pregnancy-Related Source List	MOI earliest approval date
<i>semaglutide</i>	<i>semaglutide (Wegovy only)</i>	<i>Small molecule</i>	Yes	Yes	PMR PMC as of May 31	6/4/2021
sertraline	sertraline-containing products	Small molecule	No	No	OWH Registries	12/30/1991
<i>sitagliptin</i>	<i>sitagliptin-containing products</i>	<i>Small molecule</i>	No	No	OWH Registries	10/16/2006
sumatriptan	sumatriptan-containing products	Small molecule	No	No	ClinicalTrials	12/28/1992
trazodone	trazodone-containing products	Small molecule	No	No	OWH Registries	9/30/1990
varenicline	varenicline (Chantix equivalents only)	Small molecule	Yes	No	PMR PMC as of May 31, ClinicalTrials	8/11/2021
varenicline	varenicline (Chantix only)	Small molecule	Yes	Yes	PMR PMC as of May 31, ClinicalTrials	5/10/2006
varenicline	varenicline-containing products (except Chantix and	Small molecule	Yes	No	PMR PMC as of May 31, ClinicalTrials	10/15/2021
venlafaxine	venlafaxine-containing products	Small molecule	No	No	OWH Registries	12/28/1993
zolpidem	zolpidem-containing products	Small molecule	No	No	OWH Registries	12/16/1992
<i>dupilumab</i>	<i>dupilumab (Dupixent only)*</i>	<i>Biological</i>		Yes	PMR PMC as of May 31, OWH Registries	3/28/2017
<i>apremilast</i>	<i>apremilast (Otezla only)*</i>	<i>Small molecule</i>		Yes	PMR PMC as of May 31, OWH Registries,	3/21/2014
<i>pegylated interferon beta-1a</i>	<i>peginterferon beta 1a (Plegridy only)*</i>	<i>Biological</i>		Yes	PMR PMC as of May 31, OWH Registries,	8/15/2014
<i>certolizumab pegol</i>	<i>certolizumab pegol (Cimzia only)*</i>	<i>Biological</i>		Yes	PMR PMC as of May 31, OWH Registries	4/22/2008
<i>ulipristal acetate</i>	<i>ulipristal (Ella only)*</i>	<i>Small molecule</i>		Yes	PMR PMC as of May 31	8/13/2010
<i>milnacipran hydrochloride</i>	<i>milnacipran (Savella only)*</i>	<i>Small molecule</i>		Yes	PMR PMC as of May 31, OWH Registries,	1/14/2009

Appendix F. Drug Concepts and Medical Products of Interest for Request cder_mpl1p_wp083_nsdv_v01

Drug Concept ¹	Medical Product of Interest (MOI)	Drug Type	Drug Concept	MOI has	Pregnancy-Related Source List	MOI earliest approval date
<i>ustekinumab</i>	<i>ustekinumab (Stelara only)*</i>	<i>Biological</i>		Yes	<i>PMR PMC as of May 31, OWH Registries,</i>	<i>9/25/2009</i>
<i>armodafinil</i>	<i>armodafinil (Nuvigil equivalents only)</i>	<i>Small molecule</i>			<i>PMR PMC as of May 31, OWH Registries,</i>	<i>6/1/2012</i>
<i>armodafinil</i>	<i>armodafinil (Nuvigil only)</i>	<i>Small molecule</i>		Yes	<i>PMR PMC as of May 31, OWH Registries,</i>	<i>6/15/2007</i>
<i>modafinil</i>	<i>modafinil (Provigil equivalents only)</i>	<i>Small molecule</i>			<i>PMR PMC as of May 31, OWH Registries,</i>	<i>9/27/2012</i>
<i>modafinil</i>	<i>modafinil (Provigil only)</i>	<i>Small molecule</i>		Yes	<i>PMR PMC as of May 31, OWH Registries,</i>	<i>12/24/1998</i>
<i>omalizumab</i>	<i>omalizumab (Xolair only)*</i>	<i>Biological</i>		Yes	<i>PMR PMC as of May 31, ClinicalTrials</i>	<i>6/20/2003</i>

* This medical product of interest has a pregnancy-related PMR or PMC and is the only product in its drug concept available on the market.

¹ A drug concept in this query is defined as the ingredients contained in the medical product of interest identified by FDA. Some drug concepts consist of multiple medical products of interest, whereas others consist of only one medical product of interest. Rows highlighted in blue belong to a drug concept that has at least one medical product of interest with a pregnancy-related PMR or PMC. Rows in italics were chosen from the original query (cderv_mpl1p_wp071) with less than 2,500 exposures.

Appendix G. Design Diagrams for Request cder_mpl1p_wp083_nsdv_v01

Design Diagram for Live-Birth Delivery Pregnancy Cohort

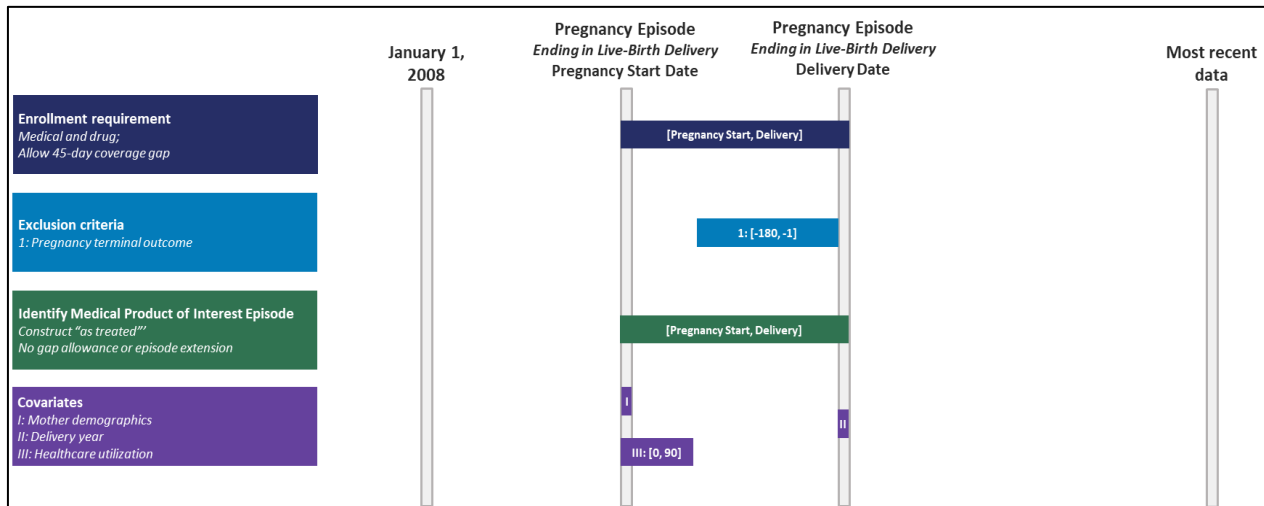


Diagram Depicting Medical Product of Interest Identification and Exposure Status for Pregnancy

