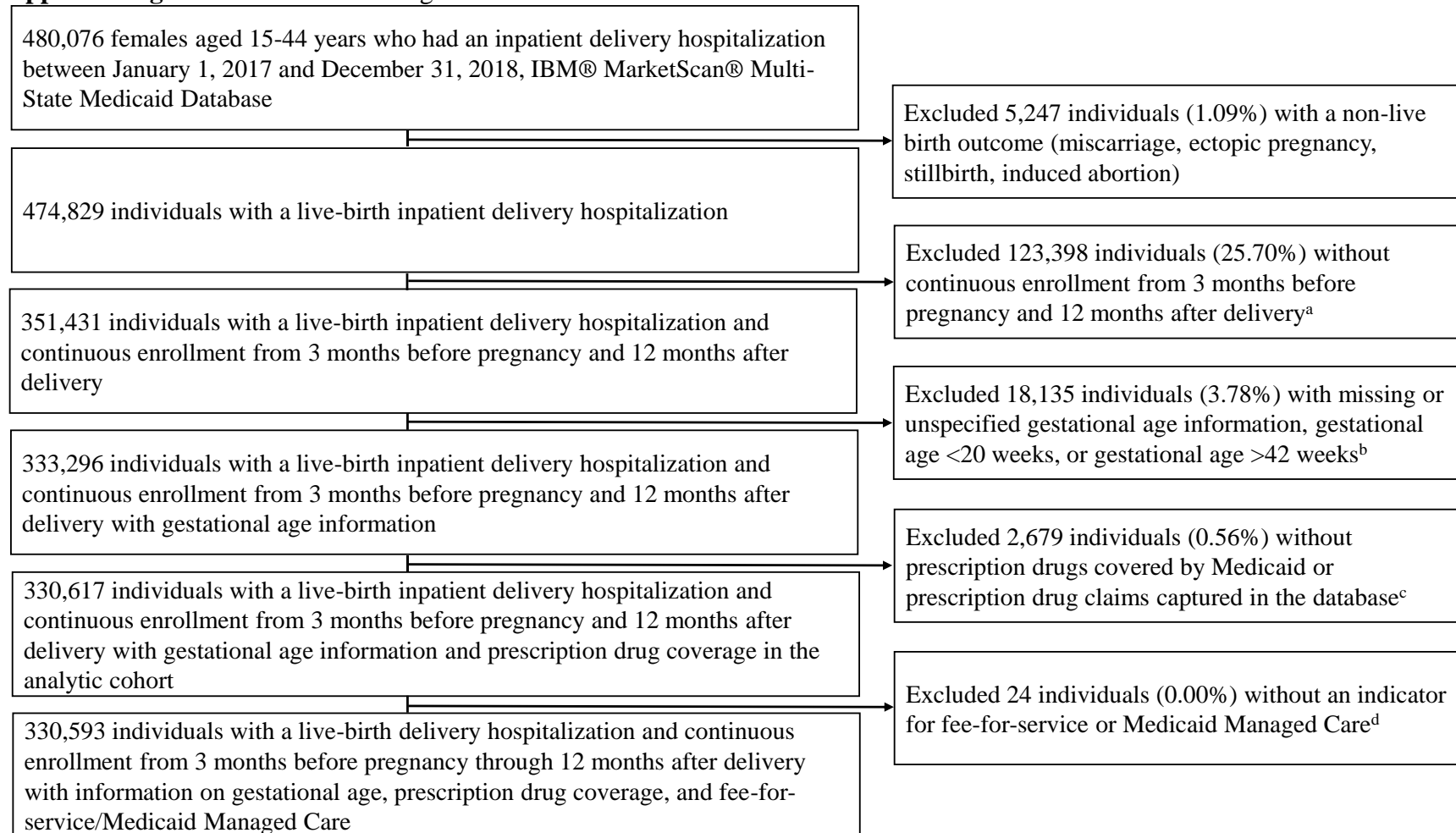


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Appendix Figure 1. Data attrition diagram.



^aTo reduce measurement error from loss of follow-up, a sampling restriction was imposed of continuous enrollment in Medicaid from at least 3 months before the beginning of the pregnancy episode through 12 months after the end of the pregnancy episode.

^bBecause the pregnancy episode was defined by gestational age, individuals with missing/unspecified ICD-10-CM codes for gestational age or individuals with gestational age information <20 weeks or >42 weeks were excluded.

^cIndividuals whose Medicaid coverage excluded prescription drugs were excluded because outcome measures included drug therapy utilization and outpatient pharmaceutical expenditures.

^dIndividuals without an indicator for Medicaid fee-for-service or managed care were excluded because outcomes depended on this information.

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Appendix Table 1. ICD-10-CM and Diagnosis Related Group (DRG) Codes

A. Codes used to derive the analytic cohort

Code Set	Codes	Description
Delivery hospitalization		
ICD-10-DX	O7582	Onset (spontaneous) of labor after 37 completed weeks of gestation but before 39 completed weeks gestation, with delivery by (planned) cesarean section
ICD-10-DX	O80	Encounter for full-term uncomplicated delivery
ICD-10-DX	O82	Encounter for cesarean delivery without indication
ICD-10-DX	Z370	Single live birth
ICD-10-DX	Z372	Twins, both liveborn
ICD-10-DX	Z373	Twins, one liveborn and one stillborn
ICD-10-DX	Z3750	Multiple births, unspecified, all liveborn
ICD-10-DX	Z3751	Triplets, all liveborn
ICD-10-DX	Z3752	Quadruplets, all liveborn
ICD-10-DX	Z3753	Quintuplets, all liveborn
ICD-10-DX	Z3754	Sextuplets, all liveborn
ICD-10-DX	Z3759	Other multiple births, all liveborn
ICD-10-DX	Z3760	Multiple births, unspecified, some liveborn
ICD-10-DX	Z3761	Triplets, some liveborn
ICD-10-DX	Z3762	Quadruplets, some liveborn
ICD-10-DX	Z3763	Quintuplets, some liveborn
ICD-10-DX	Z3764	Sextuplets, some liveborn
ICD-10-DX	Z3769	Other multiple births, some liveborn
ICD-10-PR	10D00Z0	Extraction of Products of Conception, Classical, Open Approach
ICD-10-PR	10D00Z1	Extraction of Products of Conception, Low Cervical, Open Approach
ICD-10-PR	10D00Z2	Extraction of Products of Conception, Extraperitoneal, Open Approach
ICD-10-PR	10D07Z3	Extraction of Products of Conception, Low Forceps, Via Natural or Artificial Opening
ICD-10-PR	10D07Z4	Extraction of Products of Conception, Mid Forceps, Via Natural or Artificial Opening
ICD-10-PR	10D07Z5	Extraction of Products of Conception, High Forceps, Via Natural or Artificial Opening
ICD-10-PR	10D07Z6	Extraction of Products of Conception, Vacuum, Via Natural or Artificial Opening

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ICD-10-PR	10D07Z7	Extraction of Products of Conception, Internal Version, Via Natural or Artificial Opening
ICD-10-PR	10D07Z8	Extraction of Products of Conception, Other, Via Natural or Artificial Opening
ICD-10-PR	10E0XZZ	Delivery of Products of Conception, External Approach
DRG	765	Cesarean Section with CC/MCC
DRG	766	Cesarean Section without CC/MCC
DRG	767	Vaginal Delivery with Sterilization and/or D&C
DRG	768	Vaginal Delivery with O.R. Proc. Except Sterilization and/or D&C
DRG	774	Vaginal Delivery with Complicating Diagnoses
DRG	775	Vaginal Delivery without Complicating Diagnoses
DRG	783	Cesarean Section with Sterilization with MCC
DRG	784	Cesarean Section with Sterilization with CC
DRG	785	Cesarean Section with Sterilization without CC/MCC
DRG	786	Cesarean Section without Sterilization with MCC
DRG	787	Cesarean Section without Sterilization with CC
DRG	788	Cesarean Section without Sterilization without CC/MCC
DRG	796	Vaginal Delivery with Sterilization/D&C with MCC
DRG	797	Vaginal Delivery with Sterilization/D&C with CC
DRG	798	Vaginal Delivery with Sterilization/D&C without CC/MCC
DRG	805	Vaginal Delivery without Sterilization/D&C with MCC
DRG	806	Vaginal Delivery without Sterilization/D&C with CC
DRG	807	Vaginal Delivery without Sterilization/D&C without CC/MCC
Non-live-birth delivery outcome exclusions		
ICD-10-DX	O00	Ectopic pregnancy
ICD-10-DX	O000	Abdominal pregnancy
ICD-10-DX	O0000	Abdominal pregnancy without intrauterine pregnancy
ICD-10-DX	O0001	Abdominal pregnancy with intrauterine pregnancy
ICD-10-DX	O001	Tubal pregnancy
ICD-10-DX	O0010	Tubal pregnancy without intrauterine pregnancy
ICD-10-DX	O00101	Right tubal pregnancy without intrauterine pregnancy
ICD-10-DX	O00102	Left tubal pregnancy without intrauterine pregnancy

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ICD-10-DX	O00109	Unspecified tubal pregnancy without intrauterine pregnancy
ICD-10-DX	O0011	Tubal pregnancy with intrauterine pregnancy
ICD-10-DX	O00111	Right tubal pregnancy with intrauterine pregnancy
ICD-10-DX	O00112	Left tubal pregnancy with intrauterine pregnancy
ICD-10-DX	O00119	Unspecified tubal pregnancy with intrauterine pregnancy
ICD-10-DX	O002	Ovarian pregnancy
ICD-10-DX	O0020	Ovarian pregnancy without intrauterine pregnancy
ICD-10-DX	O00201	Right ovarian pregnancy without intrauterine pregnancy
ICD-10-DX	O00202	Left ovarian pregnancy without intrauterine pregnancy
ICD-10-DX	O00209	Unspecified ovarian pregnancy without intrauterine pregnancy
ICD-10-DX	O0021	Ovarian pregnancy with intrauterine pregnancy
ICD-10-DX	O00211	Right ovarian pregnancy with intrauterine pregnancy
ICD-10-DX	O00212	Left ovarian pregnancy with intrauterine pregnancy
ICD-10-DX	O00219	Unspecified ovarian pregnancy with intrauterine pregnancy
ICD-10-DX	O008	Other ectopic pregnancy
ICD-10-DX	O0080	Other ectopic pregnancy without intrauterine pregnancy
ICD-10-DX	O0081	Other ectopic pregnancy with intrauterine pregnancy
ICD-10-DX	O009	Ectopic pregnancy, unspecified
ICD-10-DX	O0090	Unspecified ectopic pregnancy without intrauterine pregnancy
ICD-10-DX	O0091	Unspecified ectopic pregnancy with intrauterine pregnancy
ICD-10-DX	O08	Complications following ectopic and molar pregnancy
ICD-10-DX	O080	Genital tract and pelvic infection following ectopic and molar pregnancy
ICD-10-DX	O081	Delayed or excessive hemorrhage following ectopic and molar pregnancy
ICD-10-DX	O082	Embolism following ectopic and molar pregnancy
ICD-10-DX	O083	Shock following ectopic and molar pregnancy
ICD-10-DX	O084	Renal failure following ectopic and molar pregnancy
ICD-10-DX	O085	Metabolic disorders following an ectopic and molar pregnancy
ICD-10-DX	O086	Damage to pelvic organs and tissues following an ectopic and molar pregnancy
ICD-10-DX	O087	Other venous complications following an ectopic and molar pregnancy
ICD-10-DX	O088	Other complications following an ectopic and molar pregnancy
ICD-10-DX	O0881	Cardiac arrest following an ectopic and molar pregnancy
ICD-10-DX	O0882	Sepsis following ectopic and molar pregnancy

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ICD-10-DX	O0883	Urinary tract infection following an ectopic and molar pregnancy
ICD-10-DX	O0889	Other complications following an ectopic and molar pregnancy
ICD-10-DX	O089	Unspecified complication following an ectopic and molar pregnancy
ICD-10-DX	O01	Hydatidiform mole
ICD-10-DX	O010	Classical hydatidiform mole
ICD-10-DX	O011	Incomplete and partial hydatidiform mole
ICD-10-DX	O019	Hydatidiform mole, unspecified
ICD-10-DX	O02	Other abnormal products of conception
ICD-10-DX	O020	Blighted ovum and nonhydatidiform mole
ICD-10-DX	O021	Missed abortion
ICD-10-DX	O028	Other specified abnormal products of conception
ICD-10-DX	O0281	Inappropriate change in quantitative human chorionic gonadotropin (hCG) in early pregnancy
ICD-10-DX	O0289	Other abnormal products of conception
ICD-10-DX	O029	Abnormal product of conception, unspecified
ICD-10-DX	O03	Spontaneous abortion
ICD-10-DX	O030	Genital tract and pelvic infection following incomplete spontaneous abortion
ICD-10-DX	O031	Delayed or excessive hemorrhage following incomplete spontaneous abortion
ICD-10-DX	O032	Embolism following incomplete spontaneous abortion
ICD-10-DX	O033	Other and unspecified complications following incomplete spontaneous abortion
ICD-10-DX	O0330	Unspecified complication following incomplete spontaneous abortion
ICD-10-DX	O0331	Shock following incomplete spontaneous abortion
ICD-10-DX	O0332	Renal failure following incomplete spontaneous abortion
ICD-10-DX	O0333	Metabolic disorder following incomplete spontaneous abortion
ICD-10-DX	O0334	Damage to pelvic organs following incomplete spontaneous abortion
ICD-10-DX	O0335	Other venous complications following incomplete spontaneous abortion
ICD-10-DX	O0336	Cardiac arrest following incomplete spontaneous abortion
ICD-10-DX	O0337	Sepsis following incomplete spontaneous abortion
ICD-10-DX	O0338	Urinary tract infection following incomplete spontaneous abortion
ICD-10-DX	O0339	Incomplete spontaneous abortion with other complications
ICD-10-DX	O034	Incomplete spontaneous abortion without complication

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ICD-10-DX	O035	Genital tract and pelvic infection following complete or unspecified spontaneous abortion
ICD-10-DX	O036	Delayed or excessive hemorrhage following complete or unspecified spontaneous abortion
ICD-10-DX	O037	Embolism following complete or unspecified spontaneous abortion
ICD-10-DX	O038	Other and unspecified complications following complete spontaneous abortion
ICD-10-DX	O0380	Unspecified complication following complete or unspecified spontaneous abortion
ICD-10-DX	O0381	Shock following complete or unspecified spontaneous abortion
ICD-10-DX	O0382	Renal failure following complete or unspecified spontaneous abortion
ICD-10-DX	O0383	Metabolic disorder following complete or unspecified spontaneous abortion
ICD-10-DX	O0384	Damage to pelvic organs following complete or unspecified spontaneous abortion
ICD-10-DX	O0385	Other venous complications following complete or unspecified spontaneous abortion
ICD-10-DX	O0386	Cardiac arrest following complete or unspecified spontaneous abortion
ICD-10-DX	O0387	Sepsis following complete or unspecified spontaneous abortion
ICD-10-DX	O0388	Urinary tract infection following complete or unspecified spontaneous abortion
ICD-10-DX	O0389	Complete or unspecified spontaneous abortion with other complications
ICD-10-DX	O039	Complete or unspecified spontaneous abortion without complication
ICD-10-DX	O04	Complications following (induced) termination of pregnancy
ICD-10-DX	O045	Genital tract and pelvic infection following (induced) termination of pregnancy
ICD-10-DX	O046	Delayed or excessive hemorrhage following (induced) termination of pregnancy
ICD-10-DX	O047	Embolism following (induced) termination of pregnancy
ICD-10-DX	O048	(Induced) termination of pregnancy with unspecified complications
ICD-10-DX	O0480	(Induced) termination of pregnancy with unspecified complications
ICD-10-DX	O0481	Shock following (induced) termination of pregnancy
ICD-10-DX	O0482	Renal failure following (induced) termination of pregnancy
ICD-10-DX	O0483	Metabolic disorder following (induced) termination of pregnancy
ICD-10-DX	O0484	Damage to pelvic organs following (induced) termination of pregnancy
ICD-10-DX	O0485	Other venous complications following (induced) termination of pregnancy
ICD-10-DX	O0486	Cardiac arrest following (induced) termination of pregnancy
ICD-10-DX	O0487	Sepsis following (induced) termination of pregnancy
ICD-10-DX	O0488	Urinary tract infection following (induced) termination of pregnancy
ICD-10-DX	O0489	(Induced) termination of pregnancy with other complications

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ICD-10-DX	O07	Failed attempted termination of pregnancy
ICD-10-DX	O070	Genital tract and pelvic infection following failed attempted termination of pregnancy
ICD-10-DX	O071	Delayed or excessive hemorrhage following failed attempted termination of pregnancy
ICD-10-DX	O072	Embolism following failed attempted termination of pregnancy
ICD-10-DX	O073	Failed attempted termination of pregnancy with other and unspecified complications
ICD-10-DX	O0730	Failed attempted termination of pregnancy with unspecified complications
ICD-10-DX	O0731	Shock following failed attempted termination of pregnancy
ICD-10-DX	O0732	Renal failure following failed attempted termination of pregnancy
ICD-10-DX	O0733	Metabolic disorder following failed attempted termination of pregnancy
ICD-10-DX	O0734	Damage to pelvic organs following failed attempted termination of pregnancy
ICD-10-DX	O0735	Other venous complications following failed attempted termination of pregnancy
ICD-10-DX	O0736	Cardiac arrest following failed attempted termination of pregnancy
ICD-10-DX	O0737	Sepsis following failed attempted termination of pregnancy
ICD-10-DX	O0738	Urinary tract infection following failed attempted termination of pregnancy
ICD-10-DX	O0739	Failed attempted termination of pregnancy with other complications
ICD-10-DX	O074	Failed attempted termination of pregnancy without complication
ICD-10-DX	O364	Maternal care for intrauterine death
ICD-10-DX	O364XX0	Maternal care for intrauterine death, not applicable or unspecified
ICD-10-DX	O364XX1	Maternal care for intrauterine death, fetus 1
ICD-10-DX	O364XX2	Maternal care for intrauterine death, fetus 2
ICD-10-DX	O364XX3	Maternal care for intrauterine death, fetus 3
ICD-10-DX	O364XX4	Maternal care for intrauterine death, fetus 4
ICD-10-DX	O364XX5	Maternal care for intrauterine death, fetus 5
ICD-10-DX	O364XX9	Maternal care for intrauterine death, fetus 6
ICD-10-DX	Z332	Encounter for elective termination of pregnancy
ICD-10-DX	Z371	Single stillbirth
ICD-10-DX	Z374	Twins, both stillborn
ICD-10-DX	Z377	Other multiple births, all stillborn
ICD-10-PR	10A00ZZ	Abortion of Products of Conception, Open Approach
ICD-10-PR	10A03ZZ	Abortion of Products of Conception, Percutaneous Approach
ICD-10-PR	10A04ZZ	Abortion of Products of Conception, Percutaneous Endoscopic Approach

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ICD-10-PR	10A07Z6	Abortion of Products of Conception, Vacuum, Via Natural or Artificial Opening
ICD-10-PR	10A07ZW	Abortion of Products of Conception, Laminaria, Via Natural or Artificial Opening
ICD-10-PR	10A07ZX	Abortion of Products of Conception, Abortifacient, Via Natural or Artificial Opening
ICD-10-PR	10A07ZZ	Abortion of Products of Conception, Via Natural or Artificial Opening
ICD-10-PR	10A08ZZ	Abortion of Products of Conception, Via Natural or Artificial Opening Endoscopic
ICD-10-PR	10D27ZZ	Extraction of Products of Conception, Ectopic, Natural or Artificial Opening
ICD-10-PR	10D28ZZ	Extraction of Products of Conception, Ectopic, Via Natural or Artificial Opening Endoscopic
ICD-10-PR	10J20ZZ	Inspection of Products of Conception, Ectopic, Open Approach
ICD-10-PR	10J23ZZ	Inspection of Products of Conception, Ectopic, Percutaneous Approach
ICD-10-PR	10J24ZZ	Inspection of Products of Conception, Ectopic, Percutaneous Endoscopic Approach
ICD-10-PR	10J27ZZ	Inspection of Products of Conception, Ectopic, Via Natural or Artificial Opening Endoscopic
ICD-10-PR	10J2XZZ	Inspection of Products of Conception, Ectopic, External Approach
ICD-10-PR	10S20ZZ	Reposition Products of Conception, Ectopic, Open Approach
ICD-10-PR	10S23ZZ	Reposition Products of Conception, Ectopic, Percutaneous Approach
ICD-10-PR	10S24ZZ	Reposition Products of Conception, Ectopic, Percutaneous Endoscopic Approach
ICD-10-PR	10S27ZZ	Reposition Products of Conception, Ectopic, Via Natural or Artificial Opening
ICD-10-PR	10S28ZZ	Reposition Products of Conception, Ectopic, Via Natural or Artificial Opening Endoscopic
ICD-10-PR	10T20ZZ	Resection of Products of Conception, Ectopic, Open Approach
ICD-10-PR	10T23ZZ	Resection of Products of Conception, Ectopic, Percutaneous Approach
ICD-10-PR	10T24ZZ	Resection of Products of Conception, Ectopic, Percutaneous Approach
ICD-10-PR	10T27ZZ	Resection of Products of Conception, Ectopic, Via Natural or Artificial Opening
ICD-10-PR	10T28ZZ	Resection of Products of Conception, Ectopic, Via Natural or Artificial Opening Endoscopic
Gestational Age^a		
ICD-10-DX	Z3A	Weeks of gestation
ICD-10-DX	Z3A0	Weeks of gestation of pregnancy, unspecified or less than 10 weeks
ICD-10-DX	Z3A00	Weeks of gestation of pregnancy not specified
ICD-10-DX	Z3A01	Less than 8 weeks gestation of pregnancy

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ICD-10-DX	Z3A08	8 weeks gestation of pregnancy
ICD-10-DX	Z3A09	9 weeks gestation of pregnancy
ICD-10-DX	Z3A1	Weeks of gestation of pregnancy, weeks 10-19
ICD-10-DX	Z3A10	10 weeks gestation of pregnancy
ICD-10-DX	Z3A11	11 weeks gestation of pregnancy
ICD-10-DX	Z3A12	12 weeks gestation of pregnancy
ICD-10-DX	Z3A13	13 weeks gestation of pregnancy
ICD-10-DX	Z3A14	14 weeks gestation of pregnancy
ICD-10-DX	Z3A15	15 weeks gestation of pregnancy
ICD-10-DX	Z3A16	16 weeks gestation of pregnancy
ICD-10-DX	Z3A17	17 weeks gestation of pregnancy
ICD-10-DX	Z3A18	18 weeks gestation of pregnancy
ICD-10-DX	Z3A19	19 weeks gestation of pregnancy
ICD-10-DX	Z3A2	Weeks of gestation of pregnancy, weeks 20-29
ICD-10-DX	Z3A20	20 weeks gestation of pregnancy
ICD-10-DX	Z3A21	21 weeks gestation of pregnancy
ICD-10-DX	Z3A22	22 weeks gestation of pregnancy
ICD-10-DX	Z3A23	23 weeks gestation of pregnancy
ICD-10-DX	Z3A24	24 weeks gestation of pregnancy
ICD-10-DX	Z3A25	25 weeks gestation of pregnancy
ICD-10-DX	Z3A26	26 weeks gestation of pregnancy
ICD-10-DX	Z3A27	27 weeks gestation of pregnancy
ICD-10-DX	Z3A28	28 weeks gestation of pregnancy
ICD-10-DX	Z3A29	29 weeks gestation of pregnancy
ICD-10-DX	Z3A3	Weeks of gestation of pregnancy, weeks 30-39
ICD-10-DX	Z3A30	30 weeks gestation of pregnancy
ICD-10-DX	Z3A31	31 weeks gestation of pregnancy
ICD-10-DX	Z3A32	32 weeks gestation of pregnancy
ICD-10-DX	Z3A33	33 weeks gestation of pregnancy
ICD-10-DX	Z3A34	34 weeks gestation of pregnancy
ICD-10-DX	Z3A35	35 weeks gestation of pregnancy
ICD-10-DX	Z3A36	36 weeks gestation of pregnancy

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ICD-10-DX	Z3A37	37 weeks gestation of pregnancy
ICD-10-DX	Z3A38	38 weeks gestation of pregnancy
ICD-10-DX	Z3A39	39 weeks gestation of pregnancy
ICD-10-DX	Z3A4	Weeks of gestation of pregnancy, weeks 40 or greater
ICD-10-DX	Z3A40	40 weeks gestation of pregnancy
ICD-10-DX	Z3A41	41 weeks gestation of pregnancy
ICD-10-DX	Z3A42	42 weeks gestation of pregnancy
ICD-10-DX	Z3A49	Greater than 42 weeks gestation of pregnancy

^aThe start of the pregnancy was calculated as the difference between the delivery hospitalization discharge date and days of gestation recorded. In instances of multiple ICD-10-CM codes with different gestational age information recorded (~34%), we selected the maximum gestational age under the assumption that different codes were present due to prolonged hospital stay while the pregnancy continued to progress.

B. Codes used to define perinatal depression

Code Set	Codes	Description
Perinatal Depression		
ICD-10-DX	F320	Major depressive disorder, single episode, mild
ICD-10-DX	F321	Major depressive disorder, single episode, moderate
ICD-10-DX	F322	Major depressive disorder, single episode, severe without psychotic features
ICD-10-DX	F323	Major depressive disorder, single episode, severe with psychotic features
ICD-10-DX	F324	Major depressive disorder, single episode, in partial remission
ICD-10-DX	F3289	Other specified depressive episodes
ICD-10-DX	F329	Major depressive disorder, single episode, unspecified
ICD-10-DX	F330	Major depressive disorder, recurrent, mild
ICD-10-DX	F331	Major depressive disorder, recurrent, moderate
ICD-10-DX	F332	Major depressive disorder, recurrent severe without psychotic features
ICD-10-DX	F333	Major depressive disorder, recurrent, severe with psychotic symptoms
ICD-10-DX	F3340	Major depressive disorder, recurrent, in remission, unspecified
ICD-10-DX	F3341	Major depressive disorder, recurrent, in partial remission
ICD-10-DX	F338	Other recurrent depressive disorders
ICD-10-DX	F339	Major depressive disorder, recurrent, unspecified
ICD-10-DX	F341	Dysthymic disorder

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ICD-10-DX	F4321	Adjustment disorder with depressed mood
ICD-10-DX	F4323	Adjustment disorder with mixed anxiety and depressed mood
ICD-10-DX	F530	Postpartum depression
ICD-10-DX	O906	Complications of the puerperium, not elsewhere classified, Postpartum mood disturbance
ICD-10-DX	O99340	Other mental disorders complicating pregnancy, unspecified trimester
ICD-10-DX	O99341	Other mental disorders complicating pregnancy, first trimester
ICD-10-DX	O99342	Other mental disorders complicating pregnancy, second trimester
ICD-10-DX	O99343	Other mental disorders complicating pregnancy, third trimester
ICD-10-DX	O99344	Other mental disorders complicating childbirth
ICD-10-DX	O99345	Other mental disorders complicating the puerperium

C. Codes used to define comorbidities^b

Code Set	Codes	Description
Alcohol use disorder¹⁻³		
ICD-10-DX	F1010	Alcohol abuse, uncomplicated
ICD-10-DX	F1011	Alcohol abuse, in remission
ICD-10-DX	F10120	Alcohol abuse with intoxication, uncomplicated
ICD-10-DX	F10121	Alcohol abuse with intoxication delirium
ICD-10-DX	F10129	Alcohol abuse with intoxication, unspecified
ICD-10-DX	F10130	Alcohol abuse with withdrawal, uncomplicated
ICD-10-DX	F10131	Alcohol abuse with withdrawal delirium
ICD-10-DX	F10132	Alcohol abuse with withdrawal with perceptual disturbance
ICD-10-DX	F10139	Alcohol abuse with withdrawal, unspecified
ICD-10-DX	F1014	Alcohol abuse with alcohol-induced mood disorder
ICD-10-DX	F10150	Alcohol abuse with alcohol-induced psychotic disorder with delusions
ICD-10-DX	F10151	Alcohol abuse with alcohol-induced psychotic disorder with hallucinations
ICD-10-DX	F10159	Alcohol abuse with alcohol-induced psychotic disorder, unspecified
ICD-10-DX	F10180	Alcohol abuse with alcohol-induced anxiety disorder
ICD-10-DX	F10181	Alcohol abuse with alcohol-induced sexual dysfunction
ICD-10-DX	F10182	Alcohol abuse with alcohol-induced sleep disorder
ICD-10-DX	F10188	Alcohol abuse with other alcohol-induced disorder
ICD-10-DX	F1019	Alcohol abuse with unspecified alcohol-induced disorder

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ICD-10-DX	F1020	Alcohol dependence, uncomplicated
ICD-10-DX	F1021	Alcohol dependence, in remission
ICD-10-DX	F10220	Alcohol dependence with intoxication, uncomplicated
ICD-10-DX	F10221	Alcohol dependence with intoxication delirium
ICD-10-DX	F10229	Alcohol dependence with intoxication, unspecified
ICD-10-DX	F10230	Alcohol dependence with withdrawal, uncomplicated
ICD-10-DX	F10231	Alcohol dependence with withdrawal delirium
ICD-10-DX	F10232	Alcohol dependence with withdrawal with perceptual disturbance
ICD-10-DX	F10239	Alcohol dependence with withdrawal, unspecified
ICD-10-DX	F1024	Alcohol dependence with alcohol-induced mood disorder
ICD-10-DX	F10250	Alcohol dependence with alcohol-induced psychotic disorder with delusions
ICD-10-DX	F10251	Alcohol dependence with alcohol-induced psychotic disorder with hallucinations
ICD-10-DX	F10259	Alcohol dependence with alcohol-induced psychotic disorder, unspecified
ICD-10-DX	F1026	Alcohol dependence with alcohol-induced persisting amnesic disorder
ICD-10-DX	F1027	Alcohol dependence with alcohol-induced persisting dementia
ICD-10-DX	F10280	Alcohol dependence with alcohol-induced anxiety disorder
ICD-10-DX	F10281	Alcohol dependence with alcohol-induced sexual dysfunction
ICD-10-DX	F10282	Alcohol dependence with alcohol-induced sleep disorder
ICD-10-DX	F10288	Alcohol dependence with other alcohol-induced disorder
ICD-10-DX	F1029	Alcohol dependence with unspecified alcohol-induced disorder
ICD-10-DX	F10920	Alcohol use, unspecified with intoxication, uncomplicated
ICD-10-DX	F10921	Alcohol use, unspecified with intoxication delirium
ICD-10-DX	F10929	Alcohol use, unspecified with intoxication, unspecified
ICD-10-DX	F10930	Alcohol use, unspecified with withdrawal, uncomplicated
ICD-10-DX	F10931	Alcohol use, unspecified with withdrawal delirium
ICD-10-DX	F10932	Alcohol use, unspecified with withdrawal with perceptual disturbance
ICD-10-DX	F10939	Alcohol use, unspecified with withdrawal, unspecified
ICD-10-DX	F1094	Alcohol use, unspecified with alcohol-induced mood disorder
ICD-10-DX	F10950	Alcohol use, unspecified with alcohol-induced psychotic disorder with delusions
ICD-10-DX	F10951	Alcohol use, unspecified with alcohol-induced psychotic disorder with hallucinations
ICD-10-DX	F10959	Alcohol use, unspecified with alcohol-induced psychotic disorder, unspecified
ICD-10-DX	F1096	Alcohol use, unspecified with alcohol-induced persisting amnesic disorder

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ICD-10-DX	F1097	Alcohol use, unspecified with alcohol-induced persisting dementia
ICD-10-DX	F10980	Alcohol use, unspecified with alcohol-induced anxiety disorder
ICD-10-DX	F10981	Alcohol use, unspecified with alcohol-induced sexual dysfunction
ICD-10-DX	F10982	Alcohol use, unspecified with alcohol-induced sleep disorder
ICD-10-DX	F10988	Alcohol use, unspecified with other alcohol-induced disorder
ICD-10-DX	F1099	Alcohol use, unspecified with unspecified alcohol-induced disorder
ICD-10-DX	G62.1	Alcoholic polyneuropathy
ICD-10-DX	I42.6	Alcoholic cardiomyopathy
ICD-10-DX	K29.20	Alcoholic gastritis without bleeding
ICD-10-DX	K29.21	Alcoholic gastritis with bleeding
ICD-10-DX	K70.0	Alcoholic fatty liver
ICD-10-DX	K70.10	Alcoholic hepatitis without ascites
ICD-10-DX	K70.11	Alcoholic hepatitis with ascites
ICD-10-DX	K70.2	Alcoholic fibrosis and sclerosis of liver
ICD-10-DX	K70.30	Alcoholic cirrhosis of liver without ascites
ICD-10-DX	K70.31	Alcoholic cirrhosis of liver with ascites
ICD-10-DX	K70.40	Alcoholic hepatic failure without coma
ICD-10-DX	K70.41	Alcoholic hepatic failure with coma
ICD-10-DX	K70.9	Alcoholic liver disease, unspecified
ICD-10-DX	P04.3	Newborn affected by maternal use of alcohol
ICD-10-DX	Q86.0	Fetal alcohol syndrome (dysmorphic)
ICD-10-DX	T51.0X1A	Toxic effect of ethanol, accidental (unintentional), initial encounter
ICD-10-DX	T51.0X2A	Toxic effect of ethanol, intentional self-harm, initial encounter
ICD-10-DX	T51.0X3A	Toxic effect of ethanol, assault, initial encounter
ICD-10-DX	T51.0X4A	Toxic effect of ethanol, undetermined, initial encounter
ICD-10-DX	Z71.41	Alcohol abuse counseling and surveillance of alcoholic
ICD-10-DX	Z71.42	Counseling for family member of alcoholic
ICD-10-DX	HZ2ZZZZ	Detoxification Services for Substance Abuse Treatment
ICD-10-DX	HZ30ZZZ	Individual Counseling for Substance Abuse Treatment, Cognitive
ICD-10-DX	HZ31ZZZ	Individual Counseling for Substance Abuse Treatment, Behavioral
ICD-10-DX	HZ32ZZZ	Individual Counseling for Substance Abuse Treatment, Cognitive-Behavioral
ICD-10-DX	HZ33ZZZ	Individual Counseling for Substance Abuse Treatment, 12-Step

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ICD-10-DX	HZ34ZZZ	Individual Counseling for Substance Abuse Treatment, Interpersonal
ICD-10-DX	HZ35ZZZ	Individual Counseling for Substance Abuse Treatment, Vocational
ICD-10-DX	HZ36ZZZ	Individual Counseling for Substance Abuse Treatment, Psychoeducation
ICD-10-DX	HZ37ZZZ	Individual Counseling for Substance Abuse Treatment, Motivational Enhancement
ICD-10-DX	HZ38ZZZ	Individual Counseling for Substance Abuse Treatment, Confrontational
ICD-10-DX	HZ39ZZZ	Individual Counseling for Substance Abuse Treatment, Continuing Care
ICD-10-DX	HZ3BZZZ	Individual Counseling for Substance Abuse Treatment, Spiritual
ICD-10-DX	HZ40ZZZ	Group Counseling for Substance Abuse Treatment, Cognitive
ICD-10-DX	HZ93ZZZ	Pharmacotherapy for Substance Abuse Treatment, Antabuse
ICD-10-DX	HZ96ZZZ	Pharmacotherapy for Substance Abuse Treatment, Clonidine

Diabetes without complications^{1,2}		
ICD-10-DX	E0800	Diabetes mellitus due to underlying condition with hyperosmolarity without nonketotic hyperglycemic-hyperosmolar coma (NKHHC)
ICD-10-DX	E0801	Diabetes mellitus due to underlying condition with hyperosmolarity with coma
ICD-10-DX	E0810	Diabetes mellitus due to underlying condition with ketoacidosis without coma
ICD-10-DX	E0811	Diabetes mellitus due to underlying condition with ketoacidosis with coma
ICD-10-DX	E089	Diabetes mellitus due to underlying condition without complications
ICD-10-DX	E0900	Drug or chemical induced diabetes mellitus with hyperosmolarity without nonketotic hyperglycemic-hyperosmolar coma (NKHHC)
ICD-10-DX	E0901	Drug or chemical induced diabetes mellitus with hyperosmolarity with coma
ICD-10-DX	E0910	Drug or chemical induced diabetes mellitus with ketoacidosis without coma
ICD-10-DX	E0911	Drug or chemical induced diabetes mellitus with ketoacidosis with coma
ICD-10-DX	E099	Drug or chemical induced diabetes mellitus without complications
ICD-10-DX	E1010	Type 1 diabetes mellitus with ketoacidosis without coma
ICD-10-DX	E1011	Type 1 diabetes mellitus with ketoacidosis with coma
ICD-10-DX	E109	Type 1 diabetes mellitus without complications
ICD-10-DX	E1100	Type 2 diabetes mellitus with hyperosmolarity without nonketotic hyperglycemic-hyperosmolar coma (NKHHC)
ICD-10-DX	E1101	Type 2 diabetes mellitus with hyperosmolarity with coma
ICD-10-DX	E1110	Type 2 diabetes mellitus with ketoacidosis without coma

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ICD-10-DX	E1111	Type 2 diabetes mellitus with ketoacidosis with coma
ICD-10-DX	E119	Type 2 diabetes mellitus without complications
ICD-10-DX	E1300	Other specified diabetes mellitus with hyperosmolarity without nonketotic hyperglycemic-hyperosmolar coma (NKHHC)
ICD-10-DX	E1301	Other specified diabetes mellitus with hyperosmolarity with coma
ICD-10-DX	E1310	Other specified diabetes mellitus with ketoacidosis without coma
ICD-10-DX	E1311	Other specified diabetes mellitus with ketoacidosis with coma
ICD-10-DX	E139	Other specified diabetes mellitus without complications
ICD-10-DX	O24011	Pre-existing type 1 diabetes mellitus, in pregnancy, first trimester
ICD-10-DX	O24012	Pre-existing type 1 diabetes mellitus, in pregnancy, second trimester
ICD-10-DX	O24013	Pre-existing type 1 diabetes mellitus, in pregnancy, third trimester
ICD-10-DX	O24019	Pre-existing type 1 diabetes mellitus, in pregnancy, unspecified trimester
ICD-10-DX	O2402	Pre-existing type 1 diabetes mellitus, in childbirth
ICD-10-DX	O2403	Pre-existing type 1 diabetes mellitus, in the puerperium
ICD-10-DX	O24111	Pre-existing type 2 diabetes mellitus, in pregnancy, first trimester
ICD-10-DX	O24112	Pre-existing type 2 diabetes mellitus, in pregnancy, second trimester
ICD-10-DX	O24113	Pre-existing type 2 diabetes mellitus, in pregnancy, third trimester
ICD-10-DX	O24119	Pre-existing type 2 diabetes mellitus, in pregnancy, unspecified trimester
ICD-10-DX	O2412	Pre-existing type 2 diabetes mellitus, in childbirth
ICD-10-DX	O2413	Pre-existing type 2 diabetes mellitus, in the puerperium
ICD-10-DX	O24311	Unspecified pre-existing diabetes mellitus in pregnancy, first trimester
ICD-10-DX	O24312	Unspecified pre-existing diabetes mellitus in pregnancy, second trimester
ICD-10-DX	O24313	Unspecified pre-existing diabetes mellitus in pregnancy, third trimester
ICD-10-DX	O24319	Unspecified pre-existing diabetes mellitus in pregnancy, unspecified trimester
ICD-10-DX	O2432	Unspecified pre-existing diabetes mellitus in childbirth
ICD-10-DX	O2433	Unspecified pre-existing diabetes mellitus in the puerperium
ICD-10-DX	O24811	Other pre-existing diabetes mellitus in pregnancy, first trimester
ICD-10-DX	O24812	Other pre-existing diabetes mellitus in pregnancy, second trimester
ICD-10-DX	O24813	Other pre-existing diabetes mellitus in pregnancy, third trimester
ICD-10-DX	O24819	Other pre-existing diabetes mellitus in pregnancy, unspecified trimester
ICD-10-DX	O2482	Other pre-existing diabetes mellitus in childbirth
ICD-10-DX	O2483	Other pre-existing diabetes mellitus in the puerperium

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ICD-10-DX	O24911	Unspecified diabetes mellitus in pregnancy, first trimester
ICD-10-DX	O24912	Unspecified diabetes mellitus in pregnancy, second trimester
ICD-10-DX	O24913	Unspecified diabetes mellitus in pregnancy, third trimester
ICD-10-DX	O24919	Unspecified diabetes mellitus in pregnancy, unspecified trimester
ICD-10-DX	O2492	Unspecified diabetes mellitus in childbirth
ICD-10-DX	O2493	Unspecified diabetes mellitus in the puerperium
Diabetes with complications^{1,2}		
ICD-10-DX	E0821	Diabetes mellitus due to underlying condition with diabetic nephropathy
ICD-10-DX	E0822	Diabetes mellitus due to underlying condition with diabetic chronic kidney disease
ICD-10-DX	E0829	Diabetes mellitus due to underlying condition with other diabetic kidney complication
ICD-10-DX	E08311	Diabetes mellitus due to underlying condition with unspecified diabetic retinopathy with macular edema
ICD-10-DX	E08319	Diabetes mellitus due to underlying condition with unspecified diabetic retinopathy without macular edema
ICD-10-DX	E08321	Diabetes mellitus due to underlying condition with mild nonproliferative diabetic retinopathy with macular edema
ICD-10-DX	E083211	Diabetes mellitus due to underlying condition with mild nonproliferative diabetic retinopathy with macular edema, right eye
ICD-10-DX	E083212	Diabetes mellitus due to underlying condition with mild nonproliferative diabetic retinopathy with macular edema, left eye
ICD-10-DX	E083213	Diabetes mellitus due to underlying condition with mild nonproliferative diabetic retinopathy with macular edema, bilateral
ICD-10-DX	E083219	Diabetes mellitus due to underlying condition with mild nonproliferative diabetic retinopathy with macular edema, unspecified eye
ICD-10-DX	E08329	Diabetes mellitus due to underlying condition with mild nonproliferative diabetic retinopathy without macular edema
ICD-10-DX	E083291	Diabetes mellitus due to underlying condition with mild nonproliferative diabetic retinopathy without macular edema, right eye
ICD-10-DX	E083292	Diabetes mellitus due to underlying condition with mild nonproliferative diabetic retinopathy without macular edema, left eye
ICD-10-DX	E083293	Diabetes mellitus due to underlying condition with mild nonproliferative diabetic retinopathy without macular edema, bilateral

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ICD-10-DX	E083299	Diabetes mellitus due to underlying condition with mild nonproliferative diabetic retinopathy without macular edema, unspecified eye
ICD-10-DX	E08331	Diabetes mellitus due to underlying condition with moderate nonproliferative diabetic retinopathy with macular edema
ICD-10-DX	E083311	Diabetes mellitus due to underlying condition with moderate nonproliferative diabetic retinopathy with macular edema, right eye
ICD-10-DX	E083312	Diabetes mellitus due to underlying condition with moderate nonproliferative diabetic retinopathy with macular edema, left eye
ICD-10-DX	E083313	Diabetes mellitus due to underlying condition with moderate nonproliferative diabetic retinopathy with macular edema, bilateral
ICD-10-DX	E083319	Diabetes mellitus due to underlying condition with moderate nonproliferative diabetic retinopathy with macular edema, unspecified eye
ICD-10-DX	E08339	Diabetes mellitus due to underlying condition with moderate nonproliferative diabetic retinopathy without macular edema
ICD-10-DX	E083391	Diabetes mellitus due to underlying condition with moderate nonproliferative diabetic retinopathy without macular edema, right eye
ICD-10-DX	E083392	Diabetes mellitus due to underlying condition with moderate nonproliferative diabetic retinopathy without macular edema, left eye
ICD-10-DX	E083393	Diabetes mellitus due to underlying condition with moderate nonproliferative diabetic retinopathy without macular edema, bilateral
ICD-10-DX	E083399	Diabetes mellitus due to underlying condition with moderate nonproliferative diabetic retinopathy without macular edema, unspecified eye
ICD-10-DX	E08341	Diabetes mellitus due to underlying condition with severe nonproliferative diabetic retinopathy with macular edema
ICD-10-DX	E083411	Diabetes mellitus due to underlying condition with severe nonproliferative diabetic retinopathy with macular edema, right eye
ICD-10-DX	E083412	Diabetes mellitus due to underlying condition with severe nonproliferative diabetic retinopathy with macular edema, left eye
ICD-10-DX	E083413	Diabetes mellitus due to underlying condition with severe nonproliferative diabetic retinopathy with macular edema, bilateral
ICD-10-DX	E083419	Diabetes mellitus due to underlying condition with severe nonproliferative diabetic retinopathy with macular edema, unspecified eye

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ICD-10-DX	E08349	Diabetes mellitus due to underlying condition with severe nonproliferative diabetic retinopathy without macular edema
ICD-10-DX	E083491	Diabetes mellitus due to underlying condition with severe nonproliferative diabetic retinopathy without macular edema, right eye
ICD-10-DX	E083492	Diabetes mellitus due to underlying condition with severe nonproliferative diabetic retinopathy without macular edema, left eye
ICD-10-DX	E083493	Diabetes mellitus due to underlying condition with severe nonproliferative diabetic retinopathy without macular edema, bilateral
ICD-10-DX	E083499	Diabetes mellitus due to underlying condition with severe nonproliferative diabetic retinopathy without macular edema, unspecified eye
ICD-10-DX	E08351	Diabetes mellitus due to underlying condition with proliferative diabetic retinopathy with macular edema
ICD-10-DX	E083511	Diabetes mellitus due to underlying condition with proliferative diabetic retinopathy with macular edema, right eye
ICD-10-DX	E083512	Diabetes mellitus due to underlying condition with proliferative diabetic retinopathy with macular edema, left eye
ICD-10-DX	E083513	Diabetes mellitus due to underlying condition with proliferative diabetic retinopathy with macular edema, bilateral
ICD-10-DX	E083519	Diabetes mellitus due to underlying condition with proliferative diabetic retinopathy with macular edema, unspecified eye
ICD-10-DX	E083521	Diabetes mellitus due to underlying condition with proliferative diabetic retinopathy with traction retinal detachment involving the macula, right eye
ICD-10-DX	E083522	Diabetes mellitus due to underlying condition with proliferative diabetic retinopathy with traction retinal detachment involving the macula, left eye
ICD-10-DX	E083523	Diabetes mellitus due to underlying condition with proliferative diabetic retinopathy with traction retinal detachment involving the macula, bilateral
ICD-10-DX	E083529	Diabetes mellitus due to underlying condition with proliferative diabetic retinopathy with traction retinal detachment involving the macula, unspecified eye
ICD-10-DX	E083531	Diabetes mellitus due to underlying condition with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, right eye
ICD-10-DX	E083532	Diabetes mellitus due to underlying condition with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, left eye

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ICD-10-DX	E083533	Diabetes mellitus due to underlying condition with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, bilateral
ICD-10-DX	E083539	Diabetes mellitus due to underlying condition with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, unspecified eye
ICD-10-DX	E083541	Diabetes mellitus due to underlying condition with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, right eye
ICD-10-DX	E083542	Diabetes mellitus due to underlying condition with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, left eye
ICD-10-DX	E083543	Diabetes mellitus due to underlying condition with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, bilateral
ICD-10-DX	E083549	Diabetes mellitus due to underlying condition with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, unspecified eye
ICD-10-DX	E083551	Diabetes mellitus due to underlying condition with stable proliferative diabetic retinopathy, right eye
ICD-10-DX	E083552	Diabetes mellitus due to underlying condition with stable proliferative diabetic retinopathy, left eye
ICD-10-DX	E083553	Diabetes mellitus due to underlying condition with stable proliferative diabetic retinopathy, bilateral
ICD-10-DX	E083559	Diabetes mellitus due to underlying condition with stable proliferative diabetic retinopathy, unspecified eye
ICD-10-DX	E08359	Diabetes mellitus due to underlying condition with proliferative diabetic retinopathy without macular edema
ICD-10-DX	E083591	Diabetes mellitus due to underlying condition with proliferative diabetic retinopathy without macular edema, right eye
ICD-10-DX	E083592	Diabetes mellitus due to underlying condition with proliferative diabetic retinopathy without macular edema, left eye
ICD-10-DX	E083593	Diabetes mellitus due to underlying condition with proliferative diabetic retinopathy without macular edema, bilateral

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ICD-10-DX	E083599	Diabetes mellitus due to underlying condition with proliferative diabetic retinopathy without macular edema, unspecified eye
ICD-10-DX	E0836	Diabetes mellitus due to underlying condition with diabetic cataract
ICD-10-DX	E0837X1	Diabetes mellitus due to underlying condition with diabetic macular edema, resolved following treatment, right eye
ICD-10-DX	E0837X2	Diabetes mellitus due to underlying condition with diabetic macular edema, resolved following treatment, left eye
ICD-10-DX	E0837X3	Diabetes mellitus due to underlying condition with diabetic macular edema, resolved following treatment, bilateral
ICD-10-DX	E0837X9	Diabetes mellitus due to underlying condition with diabetic macular edema, resolved following treatment, unspecified eye
ICD-10-DX	E0839	Diabetes mellitus due to underlying condition with other diabetic ophthalmic complication
ICD-10-DX	E0840	Diabetes mellitus due to underlying condition with diabetic neuropathy, unspecified
ICD-10-DX	E0841	Diabetes mellitus due to underlying condition with diabetic mononeuropathy
ICD-10-DX	E0842	Diabetes mellitus due to underlying condition with diabetic polyneuropathy
ICD-10-DX	E0843	Diabetes mellitus due to underlying condition with diabetic autonomic (poly)neuropathy
ICD-10-DX	E0844	Diabetes mellitus due to underlying condition with diabetic amyotrophy
ICD-10-DX	E0849	Diabetes mellitus due to underlying condition with other diabetic neurological complication
ICD-10-DX	E0851	Diabetes mellitus due to underlying condition with diabetic peripheral angiopathy without gangrene
ICD-10-DX	E0852	Diabetes mellitus due to underlying condition with diabetic peripheral angiopathy with gangrene
ICD-10-DX	E0859	Diabetes mellitus due to underlying condition with other circulatory complications
ICD-10-DX	E08610	Diabetes mellitus due to underlying condition with diabetic neuropathic arthropathy
ICD-10-DX	E08618	Diabetes mellitus due to underlying condition with other diabetic arthropathy
ICD-10-DX	E08620	Diabetes mellitus due to underlying condition with diabetic dermatitis
ICD-10-DX	E08621	Diabetes mellitus due to underlying condition with foot ulcer
ICD-10-DX	E08622	Diabetes mellitus due to underlying condition with other skin ulcer
ICD-10-DX	E08628	Diabetes mellitus due to underlying condition with other skin complications
ICD-10-DX	E08630	Diabetes mellitus due to underlying condition with periodontal disease

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ICD-10-DX	E08638	Diabetes mellitus due to underlying condition with other oral complications
ICD-10-DX	E08641	Diabetes mellitus due to underlying condition with hypoglycemia with coma
ICD-10-DX	E08649	Diabetes mellitus due to underlying condition with hypoglycemia without coma
ICD-10-DX	E0865	Diabetes mellitus due to underlying condition with hyperglycemia
ICD-10-DX	E0869	Diabetes mellitus due to underlying condition with other specified complication
ICD-10-DX	E088	Diabetes mellitus due to underlying condition with unspecified complications
ICD-10-DX	E0921	Drug or chemical induced diabetes mellitus with diabetic nephropathy
ICD-10-DX	E0922	Drug or chemical induced diabetes mellitus with diabetic chronic kidney disease
ICD-10-DX	E0929	Drug or chemical induced diabetes mellitus with other diabetic kidney complication
ICD-10-DX	E09311	Drug or chemical induced diabetes mellitus with unspecified diabetic retinopathy with macular edema
ICD-10-DX	E09319	Drug or chemical induced diabetes mellitus with unspecified diabetic retinopathy without macular edema
ICD-10-DX	E09321	Drug or chemical induced diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema
ICD-10-DX	E093211	Drug or chemical induced diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, right eye
ICD-10-DX	E093212	Drug or chemical induced diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, left eye
ICD-10-DX	E093213	Drug or chemical induced diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, bilateral
ICD-10-DX	E093219	Drug or chemical induced diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, unspecified eye
ICD-10-DX	E09329	Drug or chemical induced diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema
ICD-10-DX	E093291	Drug or chemical induced diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema, right eye
ICD-10-DX	E093292	Drug or chemical induced diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema, left eye
ICD-10-DX	E093293	Drug or chemical induced diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema, bilateral
ICD-10-DX	E093299	Drug or chemical induced diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema, unspecified eye

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ICD-10-DX	E09331	Drug or chemical induced diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema
ICD-10-DX	E093311	Drug or chemical induced diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, right eye
ICD-10-DX	E093312	Drug or chemical induced diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, left eye
ICD-10-DX	E093313	Drug or chemical induced diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, bilateral
ICD-10-DX	E093319	Drug or chemical induced diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, unspecified eye
ICD-10-DX	E09339	Drug or chemical induced diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema
ICD-10-DX	E093391	Drug or chemical induced diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema, right eye
ICD-10-DX	E093392	Drug or chemical induced diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema, left eye
ICD-10-DX	E093393	Drug or chemical induced diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema, bilateral
ICD-10-DX	E093399	Drug or chemical induced diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema, unspecified eye
ICD-10-DX	E09341	Drug or chemical induced diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema
ICD-10-DX	E093411	Drug or chemical induced diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, right eye
ICD-10-DX	E093412	Drug or chemical induced diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, left eye
ICD-10-DX	E093413	Drug or chemical induced diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, bilateral
ICD-10-DX	E093419	Drug or chemical induced diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, unspecified eye
ICD-10-DX	E09349	Drug or chemical induced diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema

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ICD-10-DX	E093491	Drug or chemical induced diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema, right eye
ICD-10-DX	E093492	Drug or chemical induced diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema, left eye
ICD-10-DX	E093493	Drug or chemical induced diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema, bilateral
ICD-10-DX	E093499	Drug or chemical induced diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema, unspecified eye
ICD-10-DX	E09351	Drug or chemical induced diabetes mellitus with proliferative diabetic retinopathy with macular edema
ICD-10-DX	E093511	Drug or chemical induced diabetes mellitus with proliferative diabetic retinopathy with macular edema, right eye
ICD-10-DX	E093512	Drug or chemical induced diabetes mellitus with proliferative diabetic retinopathy with macular edema, left eye
ICD-10-DX	E093513	Drug or chemical induced diabetes mellitus with proliferative diabetic retinopathy with macular edema, bilateral
ICD-10-DX	E093519	Drug or chemical induced diabetes mellitus with proliferative diabetic retinopathy with macular edema, unspecified eye
ICD-10-DX	E093521	Drug or chemical induced diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula, right eye
ICD-10-DX	E093522	Drug or chemical induced diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula, left eye
ICD-10-DX	E093523	Drug or chemical induced diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula, bilateral
ICD-10-DX	E093529	Drug or chemical induced diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula, unspecified eye
ICD-10-DX	E093531	Drug or chemical induced diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, right eye
ICD-10-DX	E093532	Drug or chemical induced diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, left eye
ICD-10-DX	E093533	Drug or chemical induced diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, bilateral

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ICD-10-DX	E093539	Drug or chemical induced diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, unspecified eye
ICD-10-DX	E093541	Drug or chemical induced diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, right eye
ICD-10-DX	E093542	Drug or chemical induced diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, left eye
ICD-10-DX	E093543	Drug or chemical induced diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, bilateral
ICD-10-DX	E093549	Drug or chemical induced diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, unspecified eye
ICD-10-DX	E093551	Drug or chemical induced diabetes mellitus with stable proliferative diabetic retinopathy, right eye
ICD-10-DX	E093552	Drug or chemical induced diabetes mellitus with stable proliferative diabetic retinopathy, left eye
ICD-10-DX	E093553	Drug or chemical induced diabetes mellitus with stable proliferative diabetic retinopathy, bilateral
ICD-10-DX	E093559	Drug or chemical induced diabetes mellitus with stable proliferative diabetic retinopathy, unspecified eye
ICD-10-DX	E09359	Drug or chemical induced diabetes mellitus with proliferative diabetic retinopathy without macular edema
ICD-10-DX	E093591	Drug or chemical induced diabetes mellitus with proliferative diabetic retinopathy without macular edema, right eye
ICD-10-DX	E093592	Drug or chemical induced diabetes mellitus with proliferative diabetic retinopathy without macular edema, left eye
ICD-10-DX	E093593	Drug or chemical induced diabetes mellitus with proliferative diabetic retinopathy without macular edema, bilateral
ICD-10-DX	E093599	Drug or chemical induced diabetes mellitus with proliferative diabetic retinopathy without macular edema, unspecified eye
ICD-10-DX	E0936	Drug or chemical induced diabetes mellitus with diabetic cataract

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ICD-10-DX	E0937X1	Drug or chemical induced diabetes mellitus with diabetic macular edema, resolved following treatment, right eye
ICD-10-DX	E0937X2	Drug or chemical induced diabetes mellitus with diabetic macular edema, resolved following treatment, left eye
ICD-10-DX	E0937X3	Drug or chemical induced diabetes mellitus with diabetic macular edema, resolved following treatment, bilateral
ICD-10-DX	E0937X9	Drug or chemical induced diabetes mellitus with diabetic macular edema, resolved following treatment, unspecified eye
ICD-10-DX	E0939	Drug or chemical induced diabetes mellitus with other diabetic ophthalmic complication
ICD-10-DX	E0940	Drug or chemical induced diabetes mellitus with neurological complications with diabetic neuropathy, unspecified
ICD-10-DX	E0941	Drug or chemical induced diabetes mellitus with neurological complications with diabetic mononeuropathy
ICD-10-DX	E0942	Drug or chemical induced diabetes mellitus with neurological complications with diabetic polyneuropathy
ICD-10-DX	E0943	Drug or chemical induced diabetes mellitus with neurological complications with diabetic autonomic (poly)neuropathy
ICD-10-DX	E0944	Drug or chemical induced diabetes mellitus with neurological complications with diabetic amyotrophy
ICD-10-DX	E0949	Drug or chemical induced diabetes mellitus with neurological complications with other diabetic neurological complication
ICD-10-DX	E0951	Drug or chemical induced diabetes mellitus with diabetic peripheral angiopathy without gangrene
ICD-10-DX	E0952	Drug or chemical induced diabetes mellitus with diabetic peripheral angiopathy with gangrene
ICD-10-DX	E0959	Drug or chemical induced diabetes mellitus with other circulatory complications
ICD-10-DX	E09610	Drug or chemical induced diabetes mellitus with diabetic neuropathic arthropathy
ICD-10-DX	E09618	Drug or chemical induced diabetes mellitus with other diabetic arthropathy
ICD-10-DX	E09620	Drug or chemical induced diabetes mellitus with diabetic dermatitis
ICD-10-DX	E09621	Drug or chemical induced diabetes mellitus with foot ulcer
ICD-10-DX	E09622	Drug or chemical induced diabetes mellitus with other skin ulcer
ICD-10-DX	E09628	Drug or chemical induced diabetes mellitus with other skin complications

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ICD-10-DX	E09630	Drug or chemical induced diabetes mellitus with periodontal disease
ICD-10-DX	E09638	Drug or chemical induced diabetes mellitus with other oral complications
ICD-10-DX	E09641	Drug or chemical induced diabetes mellitus with hypoglycemia with coma
ICD-10-DX	E09649	Drug or chemical induced diabetes mellitus with hypoglycemia without coma
ICD-10-DX	E0965	Drug or chemical induced diabetes mellitus with hyperglycemia
ICD-10-DX	E0969	Drug or chemical induced diabetes mellitus with other specified complication
ICD-10-DX	E098	Drug or chemical induced diabetes mellitus with unspecified complications
ICD-10-DX	E1021	Type 1 diabetes mellitus with diabetic nephropathy
ICD-10-DX	E1022	Type 1 diabetes mellitus with diabetic chronic kidney disease
ICD-10-DX	E1029	Type 1 diabetes mellitus with other diabetic kidney complication
ICD-10-DX	E10311	Type 1 diabetes mellitus with unspecified diabetic retinopathy with macular edema
ICD-10-DX	E10319	Type 1 diabetes mellitus with unspecified diabetic retinopathy without macular edema
ICD-10-DX	E10321	Type 1 diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema
ICD-10-DX	E103211	Type 1 diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, right eye
ICD-10-DX	E103212	Type 1 diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, left eye
ICD-10-DX	E103213	Type 1 diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, bilateral
ICD-10-DX	E103219	Type 1 diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, unspecified eye
ICD-10-DX	E10329	Type 1 diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema
ICD-10-DX	E103291	Type 1 diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema, right eye
ICD-10-DX	E103292	Type 1 diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema, left eye
ICD-10-DX	E103293	Type 1 diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema, bilateral
ICD-10-DX	E103299	Type 1 diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema, unspecified eye

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ICD-10-DX	E10331	Type 1 diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema
ICD-10-DX	E103311	Type 1 diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, right eye
ICD-10-DX	E103312	Type 1 diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, left eye
ICD-10-DX	E103313	Type 1 diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, bilateral
ICD-10-DX	E103319	Type 1 diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, unspecified eye
ICD-10-DX	E10339	Type 1 diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema
ICD-10-DX	E103391	Type 1 diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema, right eye
ICD-10-DX	E103392	Type 1 diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema, left eye
ICD-10-DX	E103393	Type 1 diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema, bilateral
ICD-10-DX	E103399	Type 1 diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema, unspecified eye
ICD-10-DX	E10341	Type 1 diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema
ICD-10-DX	E103411	Type 1 diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, right eye
ICD-10-DX	E103412	Type 1 diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, left eye
ICD-10-DX	E103413	Type 1 diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, bilateral
ICD-10-DX	E103419	Type 1 diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, unspecified eye
ICD-10-DX	E10349	Type 1 diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema

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ICD-10-DX	E103491	Type 1 diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema, right eye
ICD-10-DX	E103492	Type 1 diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema, left eye
ICD-10-DX	E103493	Type 1 diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema, bilateral
ICD-10-DX	E103499	Type 1 diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema, unspecified eye
ICD-10-DX	E10351	Type 1 diabetes mellitus with proliferative diabetic retinopathy with macular edema
ICD-10-DX	E103511	Type 1 diabetes mellitus with proliferative diabetic retinopathy with macular edema, right eye
ICD-10-DX	E103512	Type 1 diabetes mellitus with proliferative diabetic retinopathy with macular edema, left eye
ICD-10-DX	E103513	Type 1 diabetes mellitus with proliferative diabetic retinopathy with macular edema, bilateral
ICD-10-DX	E103519	Type 1 diabetes mellitus with proliferative diabetic retinopathy with macular edema, unspecified eye
ICD-10-DX	E103521	Type 1 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula, right eye
ICD-10-DX	E103522	Type 1 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula, left eye
ICD-10-DX	E103523	Type 1 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula, bilateral
ICD-10-DX	E103529	Type 1 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula, unspecified eye
ICD-10-DX	E103531	Type 1 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, right eye
ICD-10-DX	E103532	Type 1 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, left eye
ICD-10-DX	E103533	Type 1 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, bilateral
ICD-10-DX	E103539	Type 1 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, unspecified eye

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ICD-10-DX	E103541	Type 1 diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, right eye
ICD-10-DX	E103542	Type 1 diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, left eye
ICD-10-DX	E103543	Type 1 diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, bilateral
ICD-10-DX	E103549	Type 1 diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, unspecified eye
ICD-10-DX	E103551	Type 1 diabetes mellitus with stable proliferative diabetic retinopathy, right eye
ICD-10-DX	E103552	Type 1 diabetes mellitus with stable proliferative diabetic retinopathy, left eye
ICD-10-DX	E103553	Type 1 diabetes mellitus with stable proliferative diabetic retinopathy, bilateral
ICD-10-DX	E103559	Type 1 diabetes mellitus with stable proliferative diabetic retinopathy, unspecified eye
ICD-10-DX	E10359	Type 1 diabetes mellitus with proliferative diabetic retinopathy without macular edema
ICD-10-DX	E103591	Type 1 diabetes mellitus with proliferative diabetic retinopathy without macular edema, right eye
ICD-10-DX	E103592	Type 1 diabetes mellitus with proliferative diabetic retinopathy without macular edema, left eye
ICD-10-DX	E103593	Type 1 diabetes mellitus with proliferative diabetic retinopathy without macular edema, bilateral
ICD-10-DX	E103599	Type 1 diabetes mellitus with proliferative diabetic retinopathy without macular edema, unspecified eye
ICD-10-DX	E1036	Type 1 diabetes mellitus with diabetic cataract
ICD-10-DX	E1037X1	Type 1 diabetes mellitus with diabetic macular edema, resolved following treatment, right eye
ICD-10-DX	E1037X2	Type 1 diabetes mellitus with diabetic macular edema, resolved following treatment, left eye
ICD-10-DX	E1037X3	Type 1 diabetes mellitus with diabetic macular edema, resolved following treatment, bilateral
ICD-10-DX	E1037X9	Type 1 diabetes mellitus with diabetic macular edema, resolved following treatment, unspecified eye
ICD-10-DX	E1039	Type 1 diabetes mellitus with other diabetic ophthalmic complication

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ICD-10-DX	E1040	Type 1 diabetes mellitus with diabetic neuropathy, unspecified
ICD-10-DX	E1041	Type 1 diabetes mellitus with diabetic mononeuropathy
ICD-10-DX	E1042	Type 1 diabetes mellitus with diabetic polyneuropathy
ICD-10-DX	E1043	Type 1 diabetes mellitus with diabetic autonomic (poly)neuropathy
ICD-10-DX	E1044	Type 1 diabetes mellitus with diabetic amyotrophy
ICD-10-DX	E1049	Type 1 diabetes mellitus with other diabetic neurological complication
ICD-10-DX	E1051	Type 1 diabetes mellitus with diabetic peripheral angiopathy without gangrene
ICD-10-DX	E1052	Type 1 diabetes mellitus with diabetic peripheral angiopathy with gangrene
ICD-10-DX	E1059	Type 1 diabetes mellitus with other circulatory complications
ICD-10-DX	E10610	Type 1 diabetes mellitus with diabetic neuropathic arthropathy
ICD-10-DX	E10618	Type 1 diabetes mellitus with other diabetic arthropathy
ICD-10-DX	E10620	Type 1 diabetes mellitus with diabetic dermatitis
ICD-10-DX	E10621	Type 1 diabetes mellitus with foot ulcer
ICD-10-DX	E10622	Type 1 diabetes mellitus with other skin ulcer
ICD-10-DX	E10628	Type 1 diabetes mellitus with other skin complications
ICD-10-DX	E10630	Type 1 diabetes mellitus with periodontal disease
ICD-10-DX	E10638	Type 1 diabetes mellitus with other oral complications
ICD-10-DX	E10641	Type 1 diabetes mellitus with hypoglycemia with coma
ICD-10-DX	E10649	Type 1 diabetes mellitus with hypoglycemia without coma
ICD-10-DX	E1065	Type 1 diabetes mellitus with hyperglycemia
ICD-10-DX	E1069	Type 1 diabetes mellitus with other specified complication
ICD-10-DX	E108	Type 1 diabetes mellitus with unspecified complications
ICD-10-DX	E1121	Type 2 diabetes mellitus with diabetic nephropathy
ICD-10-DX	E1122	Type 2 diabetes mellitus with diabetic chronic kidney disease
ICD-10-DX	E1129	Type 2 diabetes mellitus with other diabetic kidney complication
ICD-10-DX	E11311	Type 2 diabetes mellitus with unspecified diabetic retinopathy with macular edema
ICD-10-DX	E11319	Type 2 diabetes mellitus with unspecified diabetic retinopathy without macular edema
ICD-10-DX	E11321	Type 2 diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema
ICD-10-DX	E113211	Type 2 diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, right eye

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ICD-10-DX	E113212	Type 2 diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, left eye
ICD-10-DX	E113213	Type 2 diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, bilateral
ICD-10-DX	E113219	Type 2 diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, unspecified eye
ICD-10-DX	E11329	Type 2 diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema
ICD-10-DX	E113291	Type 2 diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema, right eye
ICD-10-DX	E113292	Type 2 diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema, left eye
ICD-10-DX	E113293	Type 2 diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema, bilateral
ICD-10-DX	E113299	Type 2 diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema, unspecified eye
ICD-10-DX	E11331	Type 2 diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema
ICD-10-DX	E113311	Type 2 diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, right eye
ICD-10-DX	E113312	Type 2 diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, left eye
ICD-10-DX	E113313	Type 2 diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, bilateral
ICD-10-DX	E113319	Type 2 diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, unspecified eye
ICD-10-DX	E11339	Type 2 diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema
ICD-10-DX	E113391	Type 2 diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema, right eye
ICD-10-DX	E113392	Type 2 diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema, left eye

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ICD-10-DX	E113393	Type 2 diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema, bilateral
ICD-10-DX	E113399	Type 2 diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema, unspecified eye
ICD-10-DX	E11341	Type 2 diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema
ICD-10-DX	E113411	Type 2 diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, right eye
ICD-10-DX	E113412	Type 2 diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, left eye
ICD-10-DX	E113413	Type 2 diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, bilateral
ICD-10-DX	E113419	Type 2 diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, unspecified eye
ICD-10-DX	E11349	Type 2 diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema
ICD-10-DX	E113491	Type 2 diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema, right eye
ICD-10-DX	E113492	Type 2 diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema, left eye
ICD-10-DX	E113493	Type 2 diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema, bilateral
ICD-10-DX	E113499	Type 2 diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema, unspecified eye
ICD-10-DX	E11351	Type 2 diabetes mellitus with proliferative diabetic retinopathy with macular edema
ICD-10-DX	E113511	Type 2 diabetes mellitus with proliferative diabetic retinopathy with macular edema, right eye
ICD-10-DX	E113512	Type 2 diabetes mellitus with proliferative diabetic retinopathy with macular edema, left eye
ICD-10-DX	E113513	Type 2 diabetes mellitus with proliferative diabetic retinopathy with macular edema, bilateral
ICD-10-DX	E113519	Type 2 diabetes mellitus with proliferative diabetic retinopathy with macular edema, unspecified eye

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ICD-10-DX	E113521	Type 2 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula, right eye
ICD-10-DX	E113522	Type 2 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula, left eye
ICD-10-DX	E113523	Type 2 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula, bilateral
ICD-10-DX	E113529	Type 2 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula, unspecified eye
ICD-10-DX	E113531	Type 2 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, right eye
ICD-10-DX	E113532	Type 2 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, left eye
ICD-10-DX	E113533	Type 2 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, bilateral
ICD-10-DX	E113539	Type 2 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, unspecified eye
ICD-10-DX	E113541	Type 2 diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, right eye
ICD-10-DX	E113542	Type 2 diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, left eye
ICD-10-DX	E113543	Type 2 diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, bilateral
ICD-10-DX	E113549	Type 2 diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, unspecified eye
ICD-10-DX	E113551	Type 2 diabetes mellitus with stable proliferative diabetic retinopathy, right eye
ICD-10-DX	E113552	Type 2 diabetes mellitus with stable proliferative diabetic retinopathy, left eye
ICD-10-DX	E113553	Type 2 diabetes mellitus with stable proliferative diabetic retinopathy, bilateral
ICD-10-DX	E113559	Type 2 diabetes mellitus with stable proliferative diabetic retinopathy, unspecified eye
ICD-10-DX	E11359	Type 2 diabetes mellitus with proliferative diabetic retinopathy without macular edema
ICD-10-DX	E113591	Type 2 diabetes mellitus with proliferative diabetic retinopathy without macular edema, right eye

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ICD-10-DX	E113592	Type 2 diabetes mellitus with proliferative diabetic retinopathy without macular edema, left eye
ICD-10-DX	E113593	Type 2 diabetes mellitus with proliferative diabetic retinopathy without macular edema, bilateral
ICD-10-DX	E113599	Type 2 diabetes mellitus with proliferative diabetic retinopathy without macular edema, unspecified eye
ICD-10-DX	E1136	Type 2 diabetes mellitus with diabetic cataract
ICD-10-DX	E1137X1	Type 2 diabetes mellitus with diabetic macular edema, resolved following treatment, right eye
ICD-10-DX	E1137X2	Type 2 diabetes mellitus with diabetic macular edema, resolved following treatment, left eye
ICD-10-DX	E1137X3	Type 2 diabetes mellitus with diabetic macular edema, resolved following treatment, bilateral
ICD-10-DX	E1137X9	Type 2 diabetes mellitus with diabetic macular edema, resolved following treatment, unspecified eye
ICD-10-DX	E1139	Type 2 diabetes mellitus with other diabetic ophthalmic complication
ICD-10-DX	E1140	Type 2 diabetes mellitus with diabetic neuropathy, unspecified
ICD-10-DX	E1141	Type 2 diabetes mellitus with diabetic mononeuropathy
ICD-10-DX	E1142	Type 2 diabetes mellitus with diabetic polyneuropathy
ICD-10-DX	E1143	Type 2 diabetes mellitus with diabetic autonomic (poly)neuropathy
ICD-10-DX	E1144	Type 2 diabetes mellitus with diabetic amyotrophy
ICD-10-DX	E1149	Type 2 diabetes mellitus with other diabetic neurological complication
ICD-10-DX	E1151	Type 2 diabetes mellitus with diabetic peripheral angiopathy without gangrene
ICD-10-DX	E1152	Type 2 diabetes mellitus with diabetic peripheral angiopathy with gangrene
ICD-10-DX	E1159	Type 2 diabetes mellitus with other circulatory complications
ICD-10-DX	E11610	Type 2 diabetes mellitus with diabetic neuropathic arthropathy
ICD-10-DX	E11618	Type 2 diabetes mellitus with other diabetic arthropathy
ICD-10-DX	E11620	Type 2 diabetes mellitus with diabetic dermatitis
ICD-10-DX	E11621	Type 2 diabetes mellitus with foot ulcer
ICD-10-DX	E11622	Type 2 diabetes mellitus with other skin ulcer
ICD-10-DX	E11628	Type 2 diabetes mellitus with other skin complications
ICD-10-DX	E11630	Type 2 diabetes mellitus with periodontal disease

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ICD-10-DX	E11638	Type 2 diabetes mellitus with other oral complications
ICD-10-DX	E11641	Type 2 diabetes mellitus with hypoglycemia with coma
ICD-10-DX	E11649	Type 2 diabetes mellitus with hypoglycemia without coma
ICD-10-DX	E1165	Type 2 diabetes mellitus with hyperglycemia
ICD-10-DX	E1169	Type 2 diabetes mellitus with other specified complication
ICD-10-DX	E118	Type 2 diabetes mellitus with unspecified complications
ICD-10-DX	E1321	Other specified diabetes mellitus with diabetic nephropathy
ICD-10-DX	E1322	Other specified diabetes mellitus with diabetic chronic kidney disease
ICD-10-DX	E1329	Other specified diabetes mellitus with other diabetic kidney complication
ICD-10-DX	E13311	Other specified diabetes mellitus with unspecified diabetic retinopathy with macular edema
ICD-10-DX	E13319	Other specified diabetes mellitus with unspecified diabetic retinopathy without macular edema
ICD-10-DX	E13321	Other specified diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema
ICD-10-DX	E133211	Other specified diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, right eye
ICD-10-DX	E133212	Other specified diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, left eye
ICD-10-DX	E133213	Other specified diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, bilateral
ICD-10-DX	E133219	Other specified diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, unspecified eye
ICD-10-DX	E13329	Other specified diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema
ICD-10-DX	E133291	Other specified diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema, right eye
ICD-10-DX	E133292	Other specified diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema, left eye
ICD-10-DX	E133293	Other specified diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema, bilateral
ICD-10-DX	E133299	Other specified diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema, unspecified eye

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ICD-10-DX	E13331	Other specified diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema
ICD-10-DX	E133311	Other specified diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, right eye
ICD-10-DX	E133312	Other specified diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, left eye
ICD-10-DX	E133313	Other specified diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, bilateral
ICD-10-DX	E133319	Other specified diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, unspecified eye
ICD-10-DX	E13339	Other specified diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema
ICD-10-DX	E133391	Other specified diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema, right eye
ICD-10-DX	E133392	Other specified diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema, left eye
ICD-10-DX	E133393	Other specified diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema, bilateral
ICD-10-DX	E133399	Other specified diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema, unspecified eye
ICD-10-DX	E13341	Other specified diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema
ICD-10-DX	E133411	Other specified diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, right eye
ICD-10-DX	E133412	Other specified diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, left eye
ICD-10-DX	E133413	Other specified diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, bilateral
ICD-10-DX	E133419	Other specified diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, unspecified eye
ICD-10-DX	E13349	Other specified diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema

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ICD-10-DX	E133491	Other specified diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema, right eye
ICD-10-DX	E133492	Other specified diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema, left eye
ICD-10-DX	E133493	Other specified diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema, bilateral
ICD-10-DX	E133499	Other specified diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema, unspecified eye
ICD-10-DX	E13351	Other specified diabetes mellitus with proliferative diabetic retinopathy with macular edema
ICD-10-DX	E133511	Other specified diabetes mellitus with proliferative diabetic retinopathy with macular edema, right eye
ICD-10-DX	E133512	Other specified diabetes mellitus with proliferative diabetic retinopathy with macular edema, left eye
ICD-10-DX	E133513	Other specified diabetes mellitus with proliferative diabetic retinopathy with macular edema, bilateral
ICD-10-DX	E133519	Other specified diabetes mellitus with proliferative diabetic retinopathy with macular edema, unspecified eye
ICD-10-DX	E133521	Other specified diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula, right eye
ICD-10-DX	E133522	Other specified diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula, left eye
ICD-10-DX	E133523	Other specified diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula, bilateral
ICD-10-DX	E133529	Other specified diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula, unspecified eye
ICD-10-DX	E133531	Other specified diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, right eye
ICD-10-DX	E133532	Other specified diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, left eye
ICD-10-DX	E133533	Other specified diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, bilateral

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ICD-10-DX	E133539	Other specified diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, unspecified eye
ICD-10-DX	E133541	Other specified diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, right eye
ICD-10-DX	E133542	Other specified diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, left eye
ICD-10-DX	E133543	Other specified diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, bilateral
ICD-10-DX	E133549	Other specified diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, unspecified eye
ICD-10-DX	E133551	Other specified diabetes mellitus with stable proliferative diabetic retinopathy, right eye
ICD-10-DX	E133552	Other specified diabetes mellitus with stable proliferative diabetic retinopathy, left eye
ICD-10-DX	E133553	Other specified diabetes mellitus with stable proliferative diabetic retinopathy, bilateral
ICD-10-DX	E133559	Other specified diabetes mellitus with stable proliferative diabetic retinopathy, unspecified eye
ICD-10-DX	E13359	Other specified diabetes mellitus with proliferative diabetic retinopathy without macular edema
ICD-10-DX	E133591	Other specified diabetes mellitus with proliferative diabetic retinopathy without macular edema, right eye
ICD-10-DX	E133592	Other specified diabetes mellitus with proliferative diabetic retinopathy without macular edema, left eye
ICD-10-DX	E133593	Other specified diabetes mellitus with proliferative diabetic retinopathy without macular edema, bilateral
ICD-10-DX	E133599	Other specified diabetes mellitus with proliferative diabetic retinopathy without macular edema, unspecified eye
ICD-10-DX	E1336	Other specified diabetes mellitus with diabetic cataract

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ICD-10-DX	E1337X1	Other specified diabetes mellitus with diabetic macular edema, resolved following treatment, right eye
ICD-10-DX	E1337X2	Other specified diabetes mellitus with diabetic macular edema, resolved following treatment, left eye
ICD-10-DX	E1337X3	Other specified diabetes mellitus with diabetic macular edema, resolved following treatment, bilateral
ICD-10-DX	E1337X9	Other specified diabetes mellitus with diabetic macular edema, resolved following treatment, unspecified eye
ICD-10-DX	E1339	Other specified diabetes mellitus with other diabetic ophthalmic complication
ICD-10-DX	E1340	Other specified diabetes mellitus with diabetic neuropathy, unspecified
ICD-10-DX	E1341	Other specified diabetes mellitus with diabetic mononeuropathy
ICD-10-DX	E1342	Other specified diabetes mellitus with diabetic polyneuropathy
ICD-10-DX	E1343	Other specified diabetes mellitus with diabetic autonomic (poly)neuropathy
ICD-10-DX	E1344	Other specified diabetes mellitus with diabetic amyotrophy
ICD-10-DX	E1349	Other specified diabetes mellitus with other diabetic neurological complication
ICD-10-DX	E1351	Other specified diabetes mellitus with diabetic peripheral angiopathy without gangrene
ICD-10-DX	E1352	Other specified diabetes mellitus with diabetic peripheral angiopathy with gangrene
ICD-10-DX	E1359	Other specified diabetes mellitus with other circulatory complications
ICD-10-DX	E13610	Other specified diabetes mellitus with diabetic neuropathic arthropathy
ICD-10-DX	E13618	Other specified diabetes mellitus with other diabetic arthropathy
ICD-10-DX	E13620	Other specified diabetes mellitus with diabetic dermatitis
ICD-10-DX	E13621	Other specified diabetes mellitus with foot ulcer
ICD-10-DX	E13622	Other specified diabetes mellitus with other skin ulcer
ICD-10-DX	E13628	Other specified diabetes mellitus with other skin complications
ICD-10-DX	E13630	Other specified diabetes mellitus with periodontal disease
ICD-10-DX	E13638	Other specified diabetes mellitus with other oral complications
ICD-10-DX	E13641	Other specified diabetes mellitus with hypoglycemia with coma
ICD-10-DX	E13649	Other specified diabetes mellitus with hypoglycemia without coma
ICD-10-DX	E1365	Other specified diabetes mellitus with hyperglycemia
ICD-10-DX	E1369	Other specified diabetes mellitus with other specified complication
ICD-10-DX	E138	Other specified diabetes mellitus with unspecified complications

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ICD-10-DX	P702	Neonatal diabetes mellitus
Substance use disorder^{1, 2}		
ICD-10-DX	F1110	Opioid abuse, uncomplicated
ICD-10-DX	F1111	Opioid abuse, in remission
ICD-10-DX	F11120	Opioid abuse with intoxication, uncomplicated
ICD-10-DX	F11121	Opioid abuse with intoxication delirium
ICD-10-DX	F11122	Opioid abuse with intoxication with perceptual disturbance
ICD-10-DX	F11129	Opioid abuse with intoxication, unspecified
ICD-10-DX	F1114	Opioid abuse with opioid-induced mood disorder
ICD-10-DX	F11150	Opioid abuse with opioid-induced psychotic disorder with delusions
ICD-10-DX	F11151	Opioid abuse with opioid-induced psychotic disorder with hallucinations
ICD-10-DX	F11159	Opioid abuse with opioid-induced psychotic disorder, unspecified
ICD-10-DX	F11181	Opioid abuse with opioid-induced sexual dysfunction
ICD-10-DX	F11182	Opioid abuse with opioid-induced sleep disorder
ICD-10-DX	F11188	Opioid abuse with other opioid-induced disorder
ICD-10-DX	F1119	Opioid abuse with unspecified opioid-induced disorder
ICD-10-DX	F1120	Opioid dependence, uncomplicated
ICD-10-DX	F1121	Opioid dependence, in remission
ICD-10-DX	F11220	Opioid dependence with intoxication, uncomplicated
ICD-10-DX	F11221	Opioid dependence with intoxication delirium
ICD-10-DX	F11222	Opioid dependence with intoxication with perceptual disturbance
ICD-10-DX	F11229	Opioid dependence with intoxication, unspecified
ICD-10-DX	F1123	Opioid dependence with withdrawal
ICD-10-DX	F1124	Opioid dependence with opioid-induced mood disorder
ICD-10-DX	F11250	Opioid dependence with opioid-induced psychotic disorder with delusions
ICD-10-DX	F11251	Opioid dependence with opioid-induced psychotic disorder with hallucinations
ICD-10-DX	F11259	Opioid dependence with opioid-induced psychotic disorder, unspecified
ICD-10-DX	F11281	Opioid dependence with opioid-induced sexual dysfunction
ICD-10-DX	F11282	Opioid dependence with opioid-induced sleep disorder
ICD-10-DX	F11288	Opioid dependence with other opioid-induced disorder
ICD-10-DX	F1129	Opioid dependence with unspecified opioid-induced disorder
ICD-10-DX	F1210	Cannabis abuse, uncomplicated

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ICD-10-DX	F1211	Cannabis abuse, in remission
ICD-10-DX	F12120	Cannabis abuse with intoxication, uncomplicated
ICD-10-DX	F12121	Cannabis abuse with intoxication delirium
ICD-10-DX	F12122	Cannabis abuse with intoxication with perceptual disturbance
ICD-10-DX	F12129	Cannabis abuse with intoxication, unspecified
ICD-10-DX	F12150	Cannabis abuse with psychotic disorder with delusions
ICD-10-DX	F12151	Cannabis abuse with psychotic disorder with hallucinations
ICD-10-DX	F12159	Cannabis abuse with psychotic disorder, unspecified
ICD-10-DX	F12180	Cannabis abuse with cannabis-induced anxiety disorder
ICD-10-DX	F12188	Cannabis abuse with other cannabis-induced disorder
ICD-10-DX	F1219	Cannabis abuse with unspecified cannabis-induced disorder
ICD-10-DX	F1220	Cannabis dependence, uncomplicated
ICD-10-DX	F1221	Cannabis dependence, in remission
ICD-10-DX	F12220	Cannabis dependence with intoxication, uncomplicated
ICD-10-DX	F12221	Cannabis dependence with intoxication delirium
ICD-10-DX	F12222	Cannabis dependence with intoxication with perceptual disturbance
ICD-10-DX	F12229	Cannabis dependence with intoxication, unspecified
ICD-10-DX	F1223	Cannabis dependence with withdrawal
ICD-10-DX	F12250	Cannabis dependence with psychotic disorder with delusions
ICD-10-DX	F12251	Cannabis dependence with psychotic disorder with hallucinations
ICD-10-DX	F12259	Cannabis dependence with psychotic disorder, unspecified
ICD-10-DX	F12280	Cannabis dependence with cannabis-induced anxiety disorder
ICD-10-DX	F12288	Cannabis dependence with other cannabis-induced disorder
ICD-10-DX	F1229	Cannabis dependence with unspecified cannabis-induced disorder
ICD-10-DX	F1310	Sedative, hypnotic or anxiolytic abuse, uncomplicated
ICD-10-DX	F1311	Sedative, hypnotic or anxiolytic abuse, in remission
ICD-10-DX	F13120	Sedative, hypnotic or anxiolytic abuse with intoxication, uncomplicated
ICD-10-DX	F13121	Sedative, hypnotic or anxiolytic abuse with intoxication delirium
ICD-10-DX	F13129	Sedative, hypnotic or anxiolytic abuse with intoxication, unspecified
ICD-10-DX	F1314	Sedative, hypnotic or anxiolytic abuse with sedative, hypnotic or anxiolytic-induced mood disorder

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ICD-10-DX	F13150	Sedative, hypnotic or anxiolytic abuse with sedative, hypnotic or anxiolytic-induced psychotic disorder with delusions
ICD-10-DX	F13151	Sedative, hypnotic or anxiolytic abuse with sedative, hypnotic or anxiolytic-induced psychotic disorder with hallucinations
ICD-10-DX	F13159	Sedative, hypnotic or anxiolytic abuse with sedative, hypnotic or anxiolytic-induced psychotic disorder, unspecified
ICD-10-DX	F13180	Sedative, hypnotic or anxiolytic abuse with sedative, hypnotic or anxiolytic-induced anxiety disorder
ICD-10-DX	F13181	Sedative, hypnotic or anxiolytic abuse with sedative, hypnotic or anxiolytic-induced sexual dysfunction
ICD-10-DX	F13182	Sedative, hypnotic or anxiolytic abuse with sedative, hypnotic or anxiolytic-induced sleep disorder
ICD-10-DX	F13188	Sedative, hypnotic or anxiolytic abuse with other sedative, hypnotic or anxiolytic-induced disorder
ICD-10-DX	F1319	Sedative, hypnotic or anxiolytic abuse with unspecified sedative, hypnotic or anxiolytic-induced disorder
ICD-10-DX	F1320	Sedative, hypnotic or anxiolytic dependence, uncomplicated
ICD-10-DX	F1321	Sedative, hypnotic or anxiolytic dependence, in remission
ICD-10-DX	F13220	Sedative, hypnotic or anxiolytic dependence with intoxication, uncomplicated
ICD-10-DX	F13221	Sedative, hypnotic or anxiolytic dependence with intoxication delirium
ICD-10-DX	F13229	Sedative, hypnotic or anxiolytic dependence with intoxication, unspecified
ICD-10-DX	F13230	Sedative, hypnotic or anxiolytic dependence with withdrawal, uncomplicated
ICD-10-DX	F13231	Sedative, hypnotic or anxiolytic dependence with withdrawal delirium
ICD-10-DX	F13232	Sedative, hypnotic or anxiolytic dependence with withdrawal with perceptual disturbance
ICD-10-DX	F13239	Sedative, hypnotic or anxiolytic dependence with withdrawal, unspecified
ICD-10-DX	F1324	Sedative, hypnotic or anxiolytic dependence with sedative, hypnotic or anxiolytic-induced mood disorder
ICD-10-DX	F13250	Sedative, hypnotic or anxiolytic dependence with sedative, hypnotic or anxiolytic-induced psychotic disorder with delusions
ICD-10-DX	F13251	Sedative, hypnotic or anxiolytic dependence with sedative, hypnotic or anxiolytic-induced psychotic disorder with hallucinations

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ICD-10-DX	F13259	Sedative, hypnotic or anxiolytic dependence with sedative, hypnotic or anxiolytic-induced psychotic disorder, unspecified
ICD-10-DX	F1326	Sedative, hypnotic or anxiolytic dependence with sedative, hypnotic or anxiolytic-induced persisting amnesic disorder
ICD-10-DX	F1327	Sedative, hypnotic or anxiolytic dependence with sedative, hypnotic or anxiolytic-induced persisting dementia
ICD-10-DX	F13280	Sedative, hypnotic or anxiolytic dependence with sedative, hypnotic or anxiolytic-induced anxiety disorder
ICD-10-DX	F13281	Sedative, hypnotic or anxiolytic dependence with sedative, hypnotic or anxiolytic-induced sexual dysfunction
ICD-10-DX	F13282	Sedative, hypnotic or anxiolytic dependence with sedative, hypnotic or anxiolytic-induced sleep disorder
ICD-10-DX	F13288	Sedative, hypnotic or anxiolytic dependence with other sedative, hypnotic or anxiolytic-induced disorder
ICD-10-DX	F1329	Sedative, hypnotic or anxiolytic dependence with unspecified sedative, hypnotic or anxiolytic-induced disorder
ICD-10-DX	F1410	Cocaine abuse, uncomplicated
ICD-10-DX	F1411	Cocaine abuse, in remission
ICD-10-DX	F14120	Cocaine abuse with intoxication, uncomplicated
ICD-10-DX	F14121	Cocaine abuse with intoxication with delirium
ICD-10-DX	F14122	Cocaine abuse with intoxication with perceptual disturbance
ICD-10-DX	F14129	Cocaine abuse with intoxication, unspecified
ICD-10-DX	F1414	Cocaine abuse with cocaine-induced mood disorder
ICD-10-DX	F14150	Cocaine abuse with cocaine-induced psychotic disorder with delusions
ICD-10-DX	F14151	Cocaine abuse with cocaine-induced psychotic disorder with hallucinations
ICD-10-DX	F14159	Cocaine abuse with cocaine-induced psychotic disorder, unspecified
ICD-10-DX	F14180	Cocaine abuse with cocaine-induced anxiety disorder
ICD-10-DX	F14181	Cocaine abuse with cocaine-induced sexual dysfunction
ICD-10-DX	F14182	Cocaine abuse with cocaine-induced sleep disorder
ICD-10-DX	F14188	Cocaine abuse with other cocaine-induced disorder
ICD-10-DX	F1419	Cocaine abuse with unspecified cocaine-induced disorder
ICD-10-DX	F1420	Cocaine dependence, uncomplicated

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ICD-10-DX	F1421	Cocaine dependence, in remission
ICD-10-DX	F14220	Cocaine dependence with intoxication, uncomplicated
ICD-10-DX	F14221	Cocaine dependence with intoxication delirium
ICD-10-DX	F14222	Cocaine dependence with intoxication with perceptual disturbance
ICD-10-DX	F14229	Cocaine dependence with intoxication, unspecified
ICD-10-DX	F1423	Cocaine dependence with withdrawal
ICD-10-DX	F1424	Cocaine dependence with cocaine-induced mood disorder
ICD-10-DX	F14250	Cocaine dependence with cocaine-induced psychotic disorder with delusions
ICD-10-DX	F14251	Cocaine dependence with cocaine-induced psychotic disorder with hallucinations
ICD-10-DX	F14259	Cocaine dependence with cocaine-induced psychotic disorder, unspecified
ICD-10-DX	F14280	Cocaine dependence with cocaine-induced anxiety disorder
ICD-10-DX	F14281	Cocaine dependence with cocaine-induced sexual dysfunction
ICD-10-DX	F14282	Cocaine dependence with cocaine-induced sleep disorder
ICD-10-DX	F14288	Cocaine dependence with other cocaine-induced disorder
ICD-10-DX	F1429	Cocaine dependence with unspecified cocaine-induced disorder
ICD-10-DX	F1510	Other stimulant abuse, uncomplicated
ICD-10-DX	F1511	Other stimulant abuse, in remission
ICD-10-DX	F15120	Other stimulant abuse with intoxication, uncomplicated
ICD-10-DX	F15121	Other stimulant abuse with intoxication delirium
ICD-10-DX	F15122	Other stimulant abuse with intoxication with perceptual disturbance
ICD-10-DX	F15129	Other stimulant abuse with intoxication, unspecified
ICD-10-DX	F1514	Other stimulant abuse with stimulant-induced mood disorder
ICD-10-DX	F15150	Other stimulant abuse with stimulant-induced psychotic disorder with delusions
ICD-10-DX	F15151	Other stimulant abuse with stimulant-induced psychotic disorder with hallucinations
ICD-10-DX	F15159	Other stimulant abuse with stimulant-induced psychotic disorder, unspecified
ICD-10-DX	F15180	Other stimulant abuse with stimulant-induced anxiety disorder
ICD-10-DX	F15181	Other stimulant abuse with stimulant-induced sexual dysfunction
ICD-10-DX	F15182	Other stimulant abuse with stimulant-induced sleep disorder
ICD-10-DX	F15188	Other stimulant abuse with other stimulant-induced disorder
ICD-10-DX	F1519	Other stimulant abuse with unspecified stimulant-induced disorder
ICD-10-DX	F1520	Other stimulant dependence, uncomplicated
ICD-10-DX	F1521	Other stimulant dependence, in remission

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ICD-10-DX	F15220	Other stimulant dependence with intoxication, uncomplicated
ICD-10-DX	F15221	Other stimulant dependence with intoxication delirium
ICD-10-DX	F15222	Other stimulant dependence with intoxication with perceptual disturbance
ICD-10-DX	F15229	Other stimulant dependence with intoxication, unspecified
ICD-10-DX	F1523	Other stimulant dependence with withdrawal
ICD-10-DX	F1524	Other stimulant dependence with stimulant-induced mood disorder
ICD-10-DX	F15250	Other stimulant dependence with stimulant-induced psychotic disorder with delusions
ICD-10-DX	F15251	Other stimulant dependence with stimulant-induced psychotic disorder with hallucinations
ICD-10-DX	F15259	Other stimulant dependence with stimulant-induced psychotic disorder, unspecified
ICD-10-DX	F15280	Other stimulant dependence with stimulant-induced anxiety disorder
ICD-10-DX	F15281	Other stimulant dependence with stimulant-induced sexual dysfunction
ICD-10-DX	F15282	Other stimulant dependence with stimulant-induced sleep disorder
ICD-10-DX	F15288	Other stimulant dependence with other stimulant-induced disorder
ICD-10-DX	F1529	Other stimulant dependence with unspecified stimulant-induced disorder
ICD-10-DX	F1610	Hallucinogen abuse, uncomplicated
ICD-10-DX	F1611	Hallucinogen abuse, in remission
ICD-10-DX	F16120	Hallucinogen abuse with intoxication, uncomplicated
ICD-10-DX	F16121	Hallucinogen abuse with intoxication with delirium
ICD-10-DX	F16122	Hallucinogen abuse with intoxication with perceptual disturbance
ICD-10-DX	F16129	Hallucinogen abuse with intoxication, unspecified
ICD-10-DX	F1614	Hallucinogen abuse with hallucinogen-induced mood disorder
ICD-10-DX	F16150	Hallucinogen abuse with hallucinogen-induced psychotic disorder with delusions
ICD-10-DX	F16151	Hallucinogen abuse with hallucinogen-induced psychotic disorder with hallucinations
ICD-10-DX	F16159	Hallucinogen abuse with hallucinogen-induced psychotic disorder, unspecified
ICD-10-DX	F16180	Hallucinogen abuse with hallucinogen-induced anxiety disorder
ICD-10-DX	F16183	Hallucinogen abuse with hallucinogen persisting perception disorder (flashbacks)
ICD-10-DX	F16188	Hallucinogen abuse with other hallucinogen-induced disorder
ICD-10-DX	F1619	Hallucinogen abuse with unspecified hallucinogen-induced disorder
ICD-10-DX	F1620	Hallucinogen dependence, uncomplicated

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ICD-10-DX	F1621	Hallucinogen dependence, in remission
ICD-10-DX	F16220	Hallucinogen dependence with intoxication, uncomplicated
ICD-10-DX	F16221	Hallucinogen dependence with intoxication with delirium
ICD-10-DX	F16229	Hallucinogen dependence with intoxication, unspecified
ICD-10-DX	F1624	Hallucinogen dependence with hallucinogen-induced mood disorder
ICD-10-DX	F16250	Hallucinogen dependence with hallucinogen-induced psychotic disorder with delusions
ICD-10-DX	F16251	Hallucinogen dependence with hallucinogen-induced psychotic disorder with hallucinations
ICD-10-DX	F16259	Hallucinogen dependence with hallucinogen-induced psychotic disorder, unspecified
ICD-10-DX	F16280	Hallucinogen dependence with hallucinogen-induced anxiety disorder
ICD-10-DX	F16283	Hallucinogen dependence with hallucinogen persisting perception disorder (flashbacks)
ICD-10-DX	F16288	Hallucinogen dependence with other hallucinogen-induced disorder
ICD-10-DX	F1629	Hallucinogen dependence with unspecified hallucinogen-induced disorder
ICD-10-DX	F1810	Inhalant abuse, uncomplicated
ICD-10-DX	F1811	Inhalant abuse, in remission
ICD-10-DX	F18120	Inhalant abuse with intoxication, uncomplicated
ICD-10-DX	F18121	Inhalant abuse with intoxication delirium
ICD-10-DX	F18129	Inhalant abuse with intoxication, unspecified
ICD-10-DX	F1814	Inhalant abuse with inhalant-induced mood disorder
ICD-10-DX	F18150	Inhalant abuse with inhalant-induced psychotic disorder with delusions
ICD-10-DX	F18151	Inhalant abuse with inhalant-induced psychotic disorder with hallucinations
ICD-10-DX	F18159	Inhalant abuse with inhalant-induced psychotic disorder, unspecified
ICD-10-DX	F1817	Inhalant abuse with inhalant-induced dementia
ICD-10-DX	F18180	Inhalant abuse with inhalant-induced anxiety disorder
ICD-10-DX	F18188	Inhalant abuse with other inhalant-induced disorder
ICD-10-DX	F1819	Inhalant abuse with unspecified inhalant-induced disorder
ICD-10-DX	F1820	Inhalant dependence, uncomplicated
ICD-10-DX	F1821	Inhalant dependence, in remission
ICD-10-DX	F18220	Inhalant dependence with intoxication, uncomplicated
ICD-10-DX	F18221	Inhalant dependence with intoxication delirium

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ICD-10-DX	F18229	Inhalant dependence with intoxication, unspecified
ICD-10-DX	F1824	Inhalant dependence with inhalant-induced mood disorder
ICD-10-DX	F18250	Inhalant dependence with inhalant-induced psychotic disorder with delusions
ICD-10-DX	F18251	Inhalant dependence with inhalant-induced psychotic disorder with hallucinations
ICD-10-DX	F18259	Inhalant dependence with inhalant-induced psychotic disorder, unspecified
ICD-10-DX	F1827	Inhalant dependence with inhalant-induced dementia
ICD-10-DX	F18280	Inhalant dependence with inhalant-induced anxiety disorder
ICD-10-DX	F18288	Inhalant dependence with other inhalant-induced disorder
ICD-10-DX	F1829	Inhalant dependence with unspecified inhalant-induced disorder
ICD-10-DX	F1910	Other psychoactive substance abuse, uncomplicated
ICD-10-DX	F1911	Other psychoactive substance abuse, in remission
ICD-10-DX	F19120	Other psychoactive substance abuse with intoxication, uncomplicated
ICD-10-DX	F19121	Other psychoactive substance abuse with intoxication delirium
ICD-10-DX	F19122	Other psychoactive substance abuse with intoxication with perceptual disturbances
ICD-10-DX	F19129	Other psychoactive substance abuse with intoxication, unspecified
ICD-10-DX	F1914	Other psychoactive substance abuse with psychoactive substance-induced mood disorder
ICD-10-DX	F19150	Other psychoactive substance abuse with psychoactive substance-induced psychotic disorder with delusions
ICD-10-DX	F19151	Other psychoactive substance abuse with psychoactive substance-induced psychotic disorder with hallucinations
ICD-10-DX	F19159	Other psychoactive substance abuse with psychoactive substance-induced psychotic disorder, unspecified
ICD-10-DX	F1916	Other psychoactive substance abuse with psychoactive substance-induced persisting amnesic disorder
ICD-10-DX	F1917	Other psychoactive substance abuse with psychoactive substance-induced persisting dementia
ICD-10-DX	F19180	Other psychoactive substance abuse with psychoactive substance-induced anxiety disorder
ICD-10-DX	F19181	Other psychoactive substance abuse with psychoactive substance-induced sexual dysfunction
ICD-10-DX	F19182	Other psychoactive substance abuse with psychoactive substance-induced sleep disorder

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ICD-10-DX	F19188	Other psychoactive substance abuse with other psychoactive substance-induced disorder
ICD-10-DX	F1919	Other psychoactive substance abuse with unspecified psychoactive substance-induced disorder
ICD-10-DX	F1920	Other psychoactive substance dependence, uncomplicated
ICD-10-DX	F1921	Other psychoactive substance dependence, in remission
ICD-10-DX	F19220	Other psychoactive substance dependence with intoxication, uncomplicated
ICD-10-DX	F19221	Other psychoactive substance dependence with intoxication delirium
ICD-10-DX	F19222	Other psychoactive substance dependence with intoxication with perceptual disturbance
ICD-10-DX	F19229	Other psychoactive substance dependence with intoxication, unspecified
ICD-10-DX	F19230	Other psychoactive substance dependence with withdrawal, uncomplicated
ICD-10-DX	F19231	Other psychoactive substance dependence with withdrawal delirium
ICD-10-DX	F19232	Other psychoactive substance dependence with withdrawal with perceptual disturbance
ICD-10-DX	F19239	Other psychoactive substance dependence with withdrawal, unspecified
ICD-10-DX	F1924	Other psychoactive substance dependence with psychoactive substance-induced mood disorder
ICD-10-DX	F19250	Other psychoactive substance dependence with psychoactive substance-induced psychotic disorder with delusions
ICD-10-DX	F19251	Other psychoactive substance dependence with psychoactive substance-induced psychotic disorder with hallucinations
ICD-10-DX	F19259	Other psychoactive substance dependence with psychoactive substance-induced psychotic disorder, unspecified
ICD-10-DX	F1926	Other psychoactive substance dependence with psychoactive substance-induced persisting amnesic disorder
ICD-10-DX	F1927	Other psychoactive substance dependence with psychoactive substance-induced persisting dementia
ICD-10-DX	F19280	Other psychoactive substance dependence with psychoactive substance-induced anxiety disorder
ICD-10-DX	F19281	Other psychoactive substance dependence with psychoactive substance-induced sexual dysfunction

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ICD-10-DX	F19282	Other psychoactive substance dependence with psychoactive substance-induced sleep disorder
ICD-10-DX	F19288	Other psychoactive substance dependence with other psychoactive substance-induced disorder
ICD-10-DX	F1929	Other psychoactive substance dependence with unspecified psychoactive substance-induced disorder
ICD-10-DX	F550	Abuse of antacids
ICD-10-DX	F551	Abuse of herbal or folk remedies
ICD-10-DX	F552	Abuse of laxatives
ICD-10-DX	F553	Abuse of steroids or hormones
ICD-10-DX	F554	Abuse of vitamins
ICD-10-DX	F558	Abuse of other non-psychoactive substances
ICD-10-DX	O99320	Drug use complicating pregnancy, unspecified trimester
ICD-10-DX	O99321	Drug use complicating pregnancy, first trimester
ICD-10-DX	O99322	Drug use complicating pregnancy, second trimester
ICD-10-DX	O99323	Drug use complicating pregnancy, third trimester
ICD-10-DX	O99324	Drug use complicating childbirth
ICD-10-DX	O99325	Drug use complicating the puerperium
Gestational diabetes		
ICD-10-DX	O24410	Gestational diabetes mellitus in pregnancy, diet controlled
ICD-10-DX	O24414	Gestational diabetes mellitus in pregnancy, insulin controlled
ICD-10-DX	O24419	Gestational diabetes mellitus in pregnancy, unspecified control
Obesity^{1, 2}		
ICD-10-DX	E6601	Morbid (severe) obesity due to excess calories
ICD-10-DX	E6609	Other obesity due to excess calories
ICD-10-DX	E661	Drug-induced obesity
ICD-10-DX	E662	Morbid (severe) obesity with alveolar hypoventilation
ICD-10-DX	E668	Other obesity
ICD-10-DX	E669	Obesity, unspecified
ICD-10-DX	O99210	Obesity complicating pregnancy, unspecified trimester
ICD-10-DX	O99211	Obesity complicating pregnancy, first trimester
ICD-10-DX	O99212	Obesity complicating pregnancy, second trimester

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ICD-10-DX	O99213	Obesity complicating pregnancy, third trimester
ICD-10-DX	O99214	Obesity complicating childbirth
ICD-10-DX	O99215	Obesity complicating the puerperium
ICD-10-DX	R939	Diagnostic imaging inconclusive due to excess body fat of patient
ICD-10-DX	Z6830	Body mass index [BMI]30.0-30.9, adult
ICD-10-DX	Z6831	Body mass index [BMI] 31.0-31.9, adult
ICD-10-DX	Z6832	Body mass index [BMI] 32.0-32.9, adult
ICD-10-DX	Z6833	Body mass index [BMI] 33.0-33.9, adult
ICD-10-DX	Z6834	Body mass index [BMI] 34.0-34.9, adult
ICD-10-DX	Z6835	Body mass index [BMI] 35.0-35.9, adult
ICD-10-DX	Z6836	Body mass index [BMI] 36.0-36.9, adult
ICD-10-DX	Z6837	Body mass index [BMI] 37.0-37.9, adult
ICD-10-DX	Z6838	Body mass index [BMI] 38.0-38.9, adult
ICD-10-DX	Z6839	Body mass index [BMI] 39.0-39.9, adult
ICD-10-DX	Z6841	Body mass index [BMI]40.0-44.9, adult
ICD-10-DX	Z6842	Body mass index [BMI] 45.0-49.9, adult
ICD-10-DX	Z6843	Body mass index [BMI] 50.0-59.9, adult
ICD-10-DX	Z6844	Body mass index [BMI] 60.0-69.9, adult
ICD-10-DX	Z6845	Body mass index [BMI] 70 or greater, adult
ICD-10-DX	Z6854	Body mass index [BMI] pediatric, greater than or equal to 95th percentile for age
Pre-existing hypertension with pre-eclampsia^{1,2}		
ICD-10-DX	O10111	Pre-existing hypertensive heart disease complicating pregnancy, first trimester
ICD-10-DX	O10112	Pre-existing hypertensive heart disease complicating pregnancy, second trimester
ICD-10-DX	O10113	Pre-existing hypertensive heart disease complicating pregnancy, third trimester
ICD-10-DX	O10119	Pre-existing hypertensive heart disease complicating pregnancy, unspecified trimester
ICD-10-DX	O1012	Pre-existing hypertensive heart disease complicating childbirth
ICD-10-DX	O1013	Pre-existing hypertensive heart disease complicating the puerperium
ICD-10-DX	O10211	Pre-existing hypertensive chronic kidney disease complicating pregnancy, first trimester

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ICD-10-DX	O10212	Pre-existing hypertensive chronic kidney disease complicating pregnancy, second trimester
ICD-10-DX	O10213	Pre-existing hypertensive chronic kidney disease complicating pregnancy, third trimester
ICD-10-DX	O10219	Pre-existing hypertensive chronic kidney disease complicating pregnancy, unspecified trimester
ICD-10-DX	O1022	Pre-existing hypertensive chronic kidney disease complicating childbirth
ICD-10-DX	O1023	Pre-existing hypertensive chronic kidney disease complicating the puerperium
ICD-10-DX	O10311	Pre-existing hypertensive heart and chronic kidney disease complicating pregnancy, first trimester
ICD-10-DX	O10312	Pre-existing hypertensive heart and chronic kidney disease complicating pregnancy, second trimester
ICD-10-DX	O10313	Pre-existing hypertensive heart and chronic kidney disease complicating pregnancy, third trimester
ICD-10-DX	O10319	Pre-existing hypertensive heart and chronic kidney disease complicating pregnancy, unspecified trimester
ICD-10-DX	O1032	Pre-existing hypertensive heart and chronic kidney disease complicating childbirth
ICD-10-DX	O1033	Pre-existing hypertensive heart and chronic kidney disease complicating the puerperium
ICD-10-DX	O10411	Pre-existing secondary hypertension complicating pregnancy, first trimester
ICD-10-DX	O10412	Pre-existing secondary hypertension complicating pregnancy, second trimester
ICD-10-DX	O10413	Pre-existing secondary hypertension complicating pregnancy, third trimester
ICD-10-DX	O10419	Pre-existing secondary hypertension complicating pregnancy, unspecified trimester
ICD-10-DX	O1042	Pre-existing secondary hypertension complicating childbirth
ICD-10-DX	O1043	Pre-existing secondary hypertension complicating the puerperium
ICD-10-DX	O111	Pre-existing hypertension with pre-eclampsia, first trimester
ICD-10-DX	O112	Pre-existing hypertension with pre-eclampsia, second trimester
ICD-10-DX	O113	Pre-existing hypertension with pre-eclampsia, third trimester
ICD-10-DX	O114	Pre-existing hypertension with pre-eclampsia, complicating childbirth
ICD-10-DX	O115	Pre-existing hypertension with pre-eclampsia, complicating the puerperium
ICD-10-DX	O119	Pre-existing hypertension with pre-eclampsia, unspecified trimester
Pre-existing hypertension complicating the		

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Puerperium^{1,2}		
ICD-10-DX	I10	Essential (primary) hypertension
ICD-10-DX	O10011	Pre-existing essential hypertension complicating pregnancy, first trimester
ICD-10-DX	O10012	Pre-existing essential hypertension complicating pregnancy, second trimester
ICD-10-DX	O10013	Pre-existing essential hypertension complicating pregnancy, third trimester
ICD-10-DX	O10019	Pre-existing essential hypertension complicating pregnancy, unspecified trimester
ICD-10-DX	O1002	Pre-existing essential hypertension complicating childbirth
ICD-10-DX	O1003	Pre-existing essential hypertension complicating the puerperium
ICD-10-DX	O10911	Unspecified pre-existing hypertension complicating pregnancy, first trimester
ICD-10-DX	O10912	Unspecified pre-existing hypertension complicating pregnancy, second trimester
ICD-10-DX	O10913	Unspecified pre-existing hypertension complicating pregnancy, third trimester
ICD-10-DX	O10919	Unspecified pre-existing hypertension complicating pregnancy, unspecified trimester
ICD-10-DX	O1092	Unspecified pre-existing hypertension complicating childbirth
ICD-10-DX	O1093	Unspecified pre-existing hypertension complicating the puerperium
Secondary hypertension^{1,2}		
ICD-10-DX	I119	Hypertensive heart disease without heart failure
ICD-10-DX	I152	Hypertension secondary to endocrine disorders
ICD-10-DX	I158	Other secondary hypertension
ICD-10-DX	I159	Secondary hypertension, unspecified
Maternal hypertension^{1,2}		
ICD-10-DX	O161	Unspecified maternal hypertension, first trimester
ICD-10-DX	O162	Unspecified maternal hypertension, second trimester
ICD-10-DX	O163	Unspecified maternal hypertension, third trimester
ICD-10-DX	O164	Unspecified maternal hypertension, complicating childbirth
ICD-10-DX	O165	Unspecified maternal hypertension, complicating the puerperium
ICD-10-DX	O169	Unspecified maternal hypertension, unspecified trimester
Hypertensive heart disease with heart failure^{1,2}		
ICD-10-DX	I110	Hypertensive heart disease with heart failure
Hypertension secondary to other renal disorders^{1,2}		

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ICD-10-DX	I129	Hypertensive chronic kidney disease with stage 1 through stage 4 chronic kidney disease, or unspecified chronic kidney disease
ICD-10-DX	I150	Renovascular hypertension
ICD-10-DX	I151	Hypertension secondary to other renal disorders
Hyp chr kidney disease w stage 5 chr kidney disease or ESRD^{1,2}		
ICD-10-DX	I120	Hypertensive chronic kidney disease with stage 5 chronic kidney disease or end stage renal disease
Hypertensive heart & chronic kidney disease^{1,2}		
ICD-10-DX	I130	Hypertensive heart and chronic kidney disease with heart failure and stage 1 through stage 4 chronic kidney disease, or unspecified chronic kidney disease
ICD-10-DX	I1310	Hypertensive heart and chronic kidney disease without heart failure, with stage 1 through stage 4 chronic kidney disease, or unspecified chronic kidney disease
ICD-10-DX	I1311	Hypertensive heart and chronic kidney disease without heart failure, with stage 5 chronic kidney disease, or end stage renal disease
ICD-10-DX	I132	Hypertensive heart and chronic kidney disease with heart failure and with stage 5 chronic kidney disease, or end stage renal disease
Gestational hypertension		
ICD-10-DX	O131	Gestational [pregnancy-induced] hypertension without significant proteinuria, first trimester
ICD-10-DX	O132	Gestational [pregnancy-induced] hypertension without significant proteinuria, second trimester
ICD-10-DX	O133	Gestational [pregnancy-induced] hypertension without significant proteinuria, third trimester
ICD-10-DX	O134	Gestational [pregnancy-induced] hypertension without significant proteinuria, complicating childbirth
ICD-10-DX	O135	Gestational [pregnancy-induced] hypertension without significant proteinuria, complicating the puerperium
ICD-10-DX	O139	Gestational [pregnancy-induced] hypertension without significant proteinuria, unspecified trimester
Preeclampsia		

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ICD-10-DX	O1400	Mild to moderate pre-eclampsia, unspecified trimester
ICD-10-DX	O1402	Mild to moderate pre-eclampsia, second trimester
ICD-10-DX	O1403	Mild to moderate pre-eclampsia, third trimester
ICD-10-DX	O1404	Mild to moderate pre-eclampsia, complicating childbirth
ICD-10-DX	O1405	Mild to moderate pre-eclampsia, complicating the puerperium
ICD-10-DX	O1410	Severe pre-eclampsia, unspecified trimester
ICD-10-DX	O1412	Severe pre-eclampsia, second trimester
ICD-10-DX	O1413	Severe pre-eclampsia, third trimester
ICD-10-DX	O1414	Severe pre-eclampsia complicating childbirth
ICD-10-DX	O1415	Severe pre-eclampsia, complicating the puerperium
ICD-10-DX	O1490	Unspecified pre-eclampsia, unspecified trimester
ICD-10-DX	O1492	Unspecified pre-eclampsia, second trimester
ICD-10-DX	O1493	Unspecified pre-eclampsia, third trimester
ICD-10-DX	O1494	Unspecified pre-eclampsia, complicating childbirth
ICD-10-DX	O1495	Unspecified pre-eclampsia, complicating the puerperium
ICD-10-DX	O1420	HELLP syndrome (HELLP), unspecified trimester
ICD-10-DX	O1422	HELLP syndrome (HELLP), second trimester
ICD-10-DX	O1423	HELLP syndrome (HELLP), third trimester
ICD-10-DX	O1424	HELLP syndrome, complicating childbirth
ICD-10-DX	O1425	HELLP syndrome, complicating the puerperium
Eclampsia		
ICD-10-DX	O1500	Eclampsia complicating pregnancy, unspecified trimester
ICD-10-DX	O1502	Eclampsia complicating pregnancy, second trimester
ICD-10-DX	O1503	Eclampsia complicating pregnancy, third trimester
ICD-10-DX	O151	Eclampsia complicating labor
ICD-10-DX	O152	Eclampsia complicating the puerperium
ICD-10-DX	O159	Eclampsia, unspecified as to time period
Tobacco use ¹⁻³		
ICD-10-DX	F17200	Nicotine dependence, unspecified, uncomplicated
ICD-10-DX	F17201	Nicotine dependence, unspecified, in remission
ICD-10-DX	F17203	Nicotine dependence unspecified, with withdrawal
ICD-10-DX	F17208	Nicotine dependence, unspecified, with other nicotine-induced disorders

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ICD-10-DX	F17209	Nicotine dependence, unspecified, with unspecified nicotine-induced disorders
ICD-10-DX	F17210	Nicotine dependence, cigarettes, uncomplicated
ICD-10-DX	F17211	Nicotine dependence, cigarettes, in remission
ICD-10-DX	F17213	Nicotine dependence, cigarettes, with withdrawal
ICD-10-DX	F17218	Nicotine dependence, cigarettes, with other nicotine-induced disorders
ICD-10-DX	F17219	Nicotine dependence, cigarettes, with unspecified nicotine-induced disorders
ICD-10-DX	F17220	Nicotine dependence, chewing tobacco, uncomplicated
ICD-10-DX	F17221	Nicotine dependence, chewing tobacco, in remission
ICD-10-DX	F17223	Nicotine dependence, chewing tobacco, with withdrawal
ICD-10-DX	F17228	Nicotine dependence, chewing tobacco, with other nicotine-induced disorders
ICD-10-DX	F17229	Nicotine dependence, chewing tobacco, with unspecified nicotine-induced disorders
ICD-10-DX	F17290	Nicotine dependence, other tobacco product, uncomplicated
ICD-10-DX	F17291	Nicotine dependence, other tobacco product, in remission
ICD-10-DX	F17293	Nicotine dependence, other tobacco product, with withdrawal
ICD-10-DX	F17298	Nicotine dependence, other tobacco product, with other nicotine-induced disorders
ICD-10-DX	F17299	Nicotine dependence, other tobacco product, with unspecified nicotine-induced disorders
ICD-10-DX	O99330	Smoking (tobacco) complicating pregnancy, unspecified trimester
ICD-10-DX	O99331	Smoking (tobacco) complicating pregnancy, first trimester
ICD-10-DX	O99332	Smoking (tobacco) complicating pregnancy, second trimester
ICD-10-DX	O99333	Smoking (tobacco) complicating pregnancy, third trimester
ICD-10-DX	O99334	Smoking (tobacco) complicating childbirth
ICD-10-DX	O99335	Smoking (tobacco) complicating the puerperium
ICD-10-DX	T65211A	Toxic effect of chewing tobacco, accidental (unintentional), initial encounter
ICD-10-DX	T65212A	Toxic effect of chewing tobacco, intentional self-harm, initial encounter
ICD-10-DX	T65213A	Toxic effect of chewing tobacco, assault, initial encounter
ICD-10-DX	T65214A	Toxic effect of chewing tobacco, undetermined, initial encounter
ICD-10-DX	T65221A	Toxic effect of tobacco cigarettes, accidental (unintentional), initial encounter
ICD-10-DX	T65222A	Toxic effect of tobacco cigarettes, intentional self-harm, initial encounter
ICD-10-DX	T65223A	Toxic effect of tobacco cigarettes, assault, initial encounter
ICD-10-DX	T65224A	Toxic effect of tobacco cigarettes, undetermined, initial encounter

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ICD-10-DX	T65291A	Toxic effect of other tobacco and nicotine, accidental (unintentional), initial encounter
ICD-10-DX	T65292A	Toxic effect of other tobacco and nicotine, intentional self-harm, initial encounter
ICD-10-DX	T65293A	Toxic effect of other tobacco and nicotine, assault, initial encounter
ICD-10-DX	T65294A	Toxic effect of other tobacco and nicotine, undetermined, initial encounter
ICD-10-DX	Z720	Tobacco use
ICD-10-DX	z87891	Personal history of nicotine dependence

^bAll comorbidities were identified from 3 months prior to the start of the pregnancy through the delivery hospitalization discharge date, with the exception of comorbidities that only occur during pregnancy (hypertension with pre-eclampsia, hypertension complicating the puerperium, maternal hypertension, gestational hypertension, preeclampsia, eclampsia, and gestational diabetes), which were only identified from the start of the pregnancy through the delivery hospitalization discharge date. A comorbidity was indicated when patients had ≥ 1 comorbidity diagnosis in the inpatient setting or ≥ 2 comorbidity diagnoses in the outpatient setting ≥ 30 days apart.

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Appendix Table 2. Sensitivity Analysis Comparing Characteristics of the Analytic Cohort With Those of the Cohort Restricted to 60 Days Postpartum

A. Overall

Characteristics	Analytic cohort	Sensitivity analysis	<i>p</i> -value ^a
	N=330,593	N=406,794	
	N (%)	N (%)	
Age, years			
15–18	15,038 (4.6)	16,470 (4.1)	<0.0001
19–24	121,663 (36.8)	147,172 (36.2)	<0.0001
25–29	106,278 (32.2)	131,634 (32.4)	0.0537
30–34	58,247 (17.6)	73,468 (18.1)	<0.0001
35–39	24,267 (7.3)	31,224 (7.7)	<0.0001
40–44	5,100 (1.5)	6,826 (1.7)	<0.0001
Race/ethnicity			
NHW	161,097 (48.7)	198,904 (48.9)	0.1566
NHB	119,219 (36.1)	139,269 (34.2)	<0.0001
Hispanic	12,661 (3.8)	17,584 (4.3)	<0.0001
All other	37,616 (11.38)	51,037 (12.6)	<0.0001
Comorbidity			
Diabetes ^b	19,960 (6.0)	24,310 (6.0)	0.2678
Hypertension ^c	54,484 (16.5)	66,196 (16.3)	0.0163
Obesity	64,420 (19.5)	75,421 (18.5)	<0.0001
Alcohol use disorder	1,974 (0.6)	2,118 (0.5)	<0.0001
Substance use disorder	31,477 (9.5)	34,569 (8.5)	<0.0001
Smoking	62,160 (18.8)	69,526 (17.1)	<0.0001
Payment plan			<0.0001
Managed care	249,737 (75.5)	309,555 (76.1)	
Fee-for-service	80,856 (24.5)	97,239 (23.9)	
Prior depression ^d	4,741 (1.4)	4,723 (1.2)	<0.0001

B. Individuals Without PND

Characteristics	Analytic cohort	Sensitivity analysis	<i>p</i> -value ^a
	N=275,327	N=345,446	
	N (%)	N (%)	
Age, years			
15–18	12,097 (4.4)	13,403 (3.9)	<0.0001
19–24	102,055 (37.1)	125,494 (36.3)	<0.0001
25–29	88,564 (32.2)	111,899 (32.4)	0.0588
30–34	48,096 (17.5)	62,133 (18.0)	<0.0001
35–39	20,244 (7.4)	26,648 (7.7)	<0.0001
40–44	4,271 (1.6)	5,869 (1.7)	<0.0001
Race/ethnicity			
NHW	127,401 (46.3)	161,275 (46.7)	0.0012
NHB	105,293 (38.2)	124,405 (36.0)	<0.0001
Hispanic	11,307 (4.1)	15,977 (4.6)	<0.0001
All other	31,326 (11.4)	43,789 (12.7)	<0.0001

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Comorbidity			
Diabetes ^b	16,125 (5.9)	20,099 (5.8)	0.5214
Hypertension ^c	43,871 (15.9)	54,406 (15.8)	0.0477
Obesity	51,607 (18.7)	61,547 (17.8)	<0.0001
Alcohol use disorder	896 (0.3)	969 (0.3)	0.0013
Substance use disorder	20,374 (7.4)	22,741 (6.6)	<0.0001
Smoking	44,439 (16.1)	50,498 (14.6)	<0.0001
Payment plan			<0.0001
Managed care	207,586 (75.4)	262,559 (76.0)	
Fee-for-service	67,741 (24.6)	82,887 (24.0)	
Prior depression^d			<0.0001
	1,075 (0.4)	1,062 (0.3)	

C. Individuals With PND

Characteristics	Analytic cohort	Sensitivity analysis	p-value^a
	N=55,266	N=61,348	
	N (%)	N (%)	
Age, years			
15–18	2,941 (5.3)	3,067 (5.0)	0.0129
19–24	19,608 (35.5)	21,678 (35.3)	0.6096
25–29	17,714 (32.1)	19,735 (32.2)	0.6700
30–34	10,151 (18.4)	11,335 (18.5)	0.6316
35–39	4,023 (7.3)	4,576 (7.5)	0.2409
40–44	829 (1.5)	957 (1.6)	0.4053
Race/ethnicity			
NHW	33,696 (61.0)	37,629 (61.3)	0.1999
NHB	13,926 (25.2)	14,864 (24.2)	0.0001
Hispanic	1,354 (2.5)	1,607 (2.6)	0.0662
All other	6,290 (11.4)	7,248 (11.8)	0.0211
Comorbidity			
Diabetes ^b	3,835 (6.9)	4,211 (6.9)	0.6136
Hypertension ^c	10,613 (19.2)	11,790 (19.2)	0.9491
Obesity	12,813 (23.2)	13,874 (22.6)	0.0209
Alcohol use disorder	1,078 (2.0)	1,149 (1.9)	0.3334
Substance use disorder	11,103 (20.1)	11,828 (19.3)	0.0005
Smoking	17,721 (32.1)	19,028 (31.0)	0.0001
Payment plan			0.1766
Managed care	42,151 (76.3)	46,996 (76.6)	
Fee-for-service	13,115 (23.7)	14,352 (23.4)	
Prior depression^d			<0.0001
	3,666 (6.6)	3,661 (6.0)	
First PND claim			
1st trimester	13,093 (23.7)	13,795 (22.5)	<0.0001
2nd trimester	8,678 (15.7)	9,528 (15.5)	0.4213
3rd trimester	21,745 (39.4)	25,653 (41.8)	<0.0001
Early postpartum	2,667 (4.8)	2,936 (4.8)	0.7502
Late postpartum	9,083 (16.4)	9,436 (15.4)	<0.0001

^aComparing characteristics of the analytic cohort with those of the sensitivity analysis.

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^bDiabetes includes diabetes with and without complications and gestational diabetes.

^cHypertension includes chronic hypertension, maternal hypertension, gestational hypertension, preeclampsia, and eclampsia.

^dPrior depression in the 3 months prior to pregnancy.

Source: 2016–2019 IBM® MarketScan® Multi-State Medicaid Database.

PND, perinatal depression; NHW, non-Hispanic White; NHB, non-Hispanic Black.

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Appendix Table 3. Multivariable Regression Results for Healthcare Utilization for the (1) Analytic Cohort and (2) Subsample Restricted to Individuals With Fee-for-Service

A1. Inpatient Admissions

Variable	Coefficient	OR	LBCI	UBCI	<i>p</i> -value
PND status					
Without PND	reference	–	–	–	–
With PND	0.13	1.14	1.13	1.16	<0.001
Race/ethnicity					
NHW	reference	–	–	–	–
NHB	0.03	1.03	1.02	1.04	<0.001
Hispanic	0.02	1.02	1.00	1.04	0.061
PND and race/ethnicity					
NHB with PND	0.05	1.05	1.03	1.07	<0.001
Hispanic with PND	–0.01	0.99	0.94	1.04	0.739
Age, years					
15–18	0.03	1.03	1.01	1.05	<0.001
19–24	0.02	1.02	1.01	1.03	<0.001
25–29	0.01	1.01	1.00	1.02	0.208
30–34	reference	–	–	–	–
35–39	0.00	1.00	0.98	1.01	0.653
40–44	0.00	1.00	0.98	1.03	0.742
Comorbidities					
Diabetes	0.08	1.08	1.07	1.10	<0.001
Hypertension	0.06	1.06	1.05	1.07	<0.001
Obesity	0.02	1.02	1.01	1.03	<0.001
Alcohol use disorder	0.16	1.17	1.13	1.22	<0.001
Substance use disorder	0.10	1.11	1.10	1.12	<0.001
Tobacco use	0.04	1.04	1.03	1.05	<0.001

A2. Inpatient Admissions

Variable	Coefficient	OR	LBCI	UBCI	<i>p</i> -value
PND status					
Without PND	reference	–	–	–	–
With PND	0.12	1.13	1.10	1.15	<0.001
Race/ethnicity					
NHW	reference	–	–	–	–
NHB	0.03	1.03	1.02	1.05	<0.001
Hispanic	0.01	1.01	0.99	1.04	0.414
PND and race/ethnicity					
NHB with PND	0.07	1.07	1.03	1.11	<0.001
Hispanic with PND	–0.02	0.98	0.91	1.06	0.614
Age, years					
15–18	0.04	1.04	1.01	1.08	0.015
19–24	0.03	1.03	1.01	1.05	0.004
25–29	0.01	1.01	0.99	1.03	0.403

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30–34	reference	–	–	–	–
35–39	0.00	1.00	0.97	1.03	0.822
40–44	–0.01	0.99	0.94	1.05	0.849
Comorbidities					
Diabetes	0.08	1.08	1.06	1.11	<0.001
Hypertension	0.08	1.08	1.06	1.10	<0.001
Obesity	0.02	1.02	1.01	1.04	0.006
Alcohol use disorder	0.13	1.13	1.04	1.23	0.004
Substance use disorder	0.10	1.11	1.08	1.13	<0.001
Tobacco use	0.04	1.04	1.02	1.06	<0.001

B1. Total Inpatient Days

Variable	Coefficient	OR	LBCI	UBCI	p-value
PND status					
Without PND	reference	–	–	–	–
With PND	0.25	1.29	1.28	1.30	<0.001
Race/ethnicity					
NHW	reference	–	–	–	–
NHB	0.12	1.13	1.12	1.14	<0.001
Hispanic	0.01	1.01	0.99	1.02	0.257
PND and race/ethnicity					
NHB with PND	0.07	1.07	1.06	1.09	<0.001
Hispanic with PND	0.00	1.00	0.96	1.04	0.998
Age, years					
15–18	0.11	1.11	1.10	1.13	<0.001
19–24	0.04	1.04	1.03	1.04	<0.001
25–29	–0.01	0.99	0.98	1.00	0.017
30–34	reference	–	–	–	–
35–39	0.03	1.03	1.02	1.04	<0.001
40–44	0.10	1.10	1.08	1.12	<0.001
Comorbidities					
Diabetes	0.18	1.19	1.18	1.20	<0.001
Hypertension	0.30	1.35	1.34	1.35	<0.001
Obesity	0.08	1.08	1.08	1.09	<0.001
Alcohol use disorder	0.28	1.32	1.29	1.36	<0.001
Substance use disorder	0.20	1.22	1.21	1.23	<0.001
Tobacco use	0.03	1.03	1.03	1.04	<0.001

B2. Total Inpatient Days

Variable	Coefficient	OR	LBCI	UBCI	p-value
PND status					
Without PND	reference	–	–	–	–
With PND	0.23	1.26	1.23	1.28	<0.001
Race/ethnicity					
NHW	reference	–	–	–	–
NHB	0.12	1.13	1.11	1.14	<0.001

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Hispanic	0.03	1.03	1.01	1.05	0.010
PND and race/ethnicity					
NHB with PND	0.09	1.09	1.06	1.12	<0.001
Hispanic with PND	-0.02	0.98	0.92	1.04	0.465
Age, years					
15-18	0.12	1.12	1.10	1.15	<0.001
19-24	0.05	1.05	1.03	1.06	<0.001
25-29	-0.01	0.99	0.97	1.00	0.045
30-34	reference	-	-	-	-
35-39	0.00	1.00	0.98	1.02	0.918
40-44	0.03	1.04	1.00	1.08	0.079
Comorbidities					
Diabetes	0.14	1.15	1.13	1.17	<0.001
Hypertension	0.34	1.41	1.39	1.43	<0.001
Obesity	0.09	1.09	1.08	1.10	<0.001
Alcohol use disorder	0.30	1.35	1.27	1.43	<0.001
Substance use disorder	0.22	1.25	1.23	1.27	<0.001
Tobacco use	0.05	1.05	1.04	1.06	<0.001

C1. Outpatient Visits

Variable	Coefficient	OR	LBCI	UBCI	p-value
PND status					
Without PND	reference	-	-	-	-
With PND	0.47	1.60	1.59	1.61	<0.001
Race/ethnicity					
NHW	reference	-	-	-	-
NHB	-0.12	0.89	0.88	0.89	<0.001
Hispanic	-0.06	0.95	0.93	0.96	<0.001
PND and race/ethnicity					
NHB with PND	0.10	1.11	1.09	1.12	<0.001
Hispanic with PND	0.08	1.09	1.05	1.13	<0.001
Age, years					
15-18	0.08	1.08	1.07	1.09	<0.001
19-24	-0.08	0.93	0.92	0.93	<0.001
25-29	-0.03	0.97	0.96	0.97	<0.001
30-34	reference	-	-	-	-
35-39	0.03	1.03	1.02	1.04	<0.001
40-44	0.07	1.08	1.06	1.10	<0.001
Comorbidities					
Diabetes	0.27	1.31	1.30	1.33	<0.001
Hypertension	0.09	1.09	1.09	1.10	<0.001
Obesity	0.16	1.17	1.16	1.18	<0.001
Alcohol use disorder	0.44	1.56	1.51	1.60	<0.001
Substance use disorder	0.58	1.79	1.77	1.80	<0.001
Tobacco use	0.16	1.18	1.17	1.18	<0.001

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C2. Outpatient Visits

Variable	Coefficient	OR	LBCI	UBCI	p-value
PND status					
Without PND	reference	–	–	–	–
With PND	0.46	1.58	1.55	1.61	<0.001
Race/ethnicity					
NHW	reference	–	–	–	–
NHB	–0.05	0.95	0.94	0.97	<0.001
Hispanic	–0.11	0.90	0.88	0.91	<0.001
PND and race/ethnicity					
NHB with PND	0.24	1.28	1.24	1.31	<0.001
Hispanic with PND	0.05	1.05	0.98	1.12	0.136
Age, years					
15–18	0.25	1.28	1.25	1.32	<0.001
19–24	0.01	1.01	1.00	1.03	0.074
25–29	0.01	1.01	0.99	1.02	0.262
30–34	reference	–	–	–	–
35–39	0.04	1.04	1.02	1.06	0.001
40–44	0.05	1.05	1.01	1.1	0.016
Comorbidities					
Diabetes	0.33	1.39	1.36	1.42	<0.001
Hypertension	0.13	1.14	1.12	1.15	<0.001
Obesity	0.14	1.15	1.14	1.17	<0.001
Alcohol use disorder	0.42	1.53	1.42	1.64	<0.001
Substance use disorder	0.84	2.32	2.27	2.36	<0.001
Tobacco use	0.22	1.24	1.22	1.26	<0.001

D1. Emergency Department Visits

Variable	Coefficient	OR	LBCI	UBCI	p-value
PND status					
Without PND	reference	–	–	–	–
With PND	0.58	1.78	1.75	5.78	<0.001
Race/ethnicity					
NHW	reference	–	–	–	–
NHB	0.35	1.42	1.4	4.07	<0.001
Hispanic	–0.15	0.86	0.84	2.31	<0.001
PND and race/ethnicity					
NHB with PND	–0.06	0.94	0.92	2.51	<0.001
Hispanic with PND	0.11	1.12	1.04	2.84	0.001
Age, years					
15–18	0.51	1.67	1.64	5.14	<0.001
19–24	0.42	1.52	1.5	4.5	<0.001
25–29	0.18	1.2	1.19	3.28	<0.001
30–34	reference	–	–	–	–
35–39	–0.12	0.88	0.87	2.38	<0.001
40–44	–0.28	0.76	0.73	2.08	<0.001

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Comorbidities					
Diabetes	0.18	1.19	1.17	3.23	<0.001
Hypertension	0.16	1.17	1.16	3.2	<0.001
Obesity	0.23	1.26	1.25	3.49	<0.001
Alcohol use disorder	0.2	1.22	1.16	3.2	<0.001
Substance use disorder	0.15	1.16	1.14	3.14	<0.001
Tobacco use	0.44	1.56	1.54	4.68	<0.001

D2. Emergency Department Visits

Variable	Coefficient	OR	LBCI	UBCI	<i>p</i> -value
PND status					
Without PND	reference	–	–	–	–
With PND	0.59	1.80	1.75	1.86	<0.001
Race/ethnicity					
NHW	reference	–	–	–	–
NHB	0.43	1.54	1.50	1.57	<0.001
Hispanic	–0.20	0.82	0.79	0.85	<0.001
PND and race/ethnicity					
NHB with PND	–0.04	0.96	0.92	1.01	0.117
Hispanic with PND	0.11	1.12	1.01	1.24	0.035
Age, years					
15–18	0.67	1.96	1.87	2.04	<0.001
19–24	0.51	1.66	1.62	1.70	<0.001
25–29	0.22	1.25	1.22	1.28	<0.001
30–34	reference	–	–	–	–
35–39	–0.14	0.87	0.83	0.90	<0.001
40–44	–0.31	0.73	0.68	0.79	<0.001
Comorbidities					
Diabetes	0.22	1.24	1.20	1.29	<0.001
Hypertension	0.15	1.17	1.14	1.19	<0.001
Obesity	0.26	1.30	1.27	1.32	<0.001
Alcohol use disorder	0.18	1.20	1.06	1.35	0.003
Substance use disorder	0.20	1.22	1.19	1.26	<0.001
Tobacco use	0.48	1.61	1.58	1.65	<0.001

E1. Number of Weeks of Drug Therapy Covered by a Prescription

Variable	Coefficient	OR	LBCI	UBCI	<i>p</i> -value
PND status					
Without PND	reference	–	–	–	–
With PND	0.70	2.02	1.99	2.05	<0.001
Race/ethnicity					
NHW	reference	–	–	–	–
NHB	–0.13	0.88	0.87	0.88	<0.001
Hispanic	–0.28	0.76	0.74	0.77	<0.001
PND and race/ethnicity					
NHB with PND	–0.22	0.80	0.78	0.82	<0.001

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Hispanic with PND	0.08	1.08	1.02	1.15	0.015
Age, years					
15–18	–0.14	0.87	0.86	0.89	<0.001
19–24	–0.27	0.76	0.76	0.77	<0.001
25–29	–0.15	0.86	0.85	0.87	<0.001
30–34	reference	–	–	–	–
35–39	0.11	1.11	1.10	1.13	<0.001
40–44	0.16	1.18	1.14	1.22	<0.001
Comorbidities					
Diabetes	0.63	1.87	1.84	1.90	<0.001
Hypertension	0.22	1.25	1.24	1.26	<0.001
Obesity	0.17	1.18	1.17	1.20	<0.001
Alcohol use disorder	0.20	1.22	1.16	1.28	<0.001
Substance use disorder	0.20	1.22	1.20	1.24	<0.001
Tobacco use	0.14	1.16	1.14	1.17	<0.001

E2. Number of Weeks of Drug Therapy Covered by a Prescription

Variable	Coefficient	OR	LBCI	UBCI	p-value
PND status					
Without PND	reference	–	–	–	–
With PND	0.73	2.07	2.00	2.13	<0.001
Race/ethnicity					
NHW	reference	–	–	–	–
NHB	–0.14	0.87	0.85	0.89	<0.001
Hispanic	–0.35	0.71	0.68	0.73	<0.001
PND and race/ethnicity					
NHB with PND	–0.22	0.81	0.77	0.85	<0.001
Hispanic with PND	–0.03	0.97	0.87	1.09	0.641
Age, years					
15–18	0.06	1.06	1.01	1.11	0.011
19–24	–0.16	0.85	0.83	0.87	<0.001
25–29	–0.11	0.90	0.87	0.92	<0.001
30–34	reference	–	–	–	–
35–39	0.13	1.14	1.09	1.18	<0.001
40–44	0.20	1.23	1.14	1.32	<0.001
Comorbidities					
Diabetes	0.71	2.04	1.96	2.11	<0.001
Hypertension	0.24	1.28	1.25	1.31	<0.001
Obesity	0.14	1.15	1.12	1.17	<0.001
Alcohol use disorder	0.21	1.23	1.08	1.40	0.002
Substance use disorder	0.29	1.33	1.29	1.38	<0.001
Tobacco use	0.18	1.20	1.17	1.23	<0.001

Source: 2016–2019 IBM® MarketScan® Multi-State Medicaid Database.

PND, perinatal depression; LBCI, lower bound CI; UBCI, upper bound CI; NHW, non-Hispanic White; NHB, non-Hispanic Black.

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Appendix Table 4. Adjusted Estimates of Mean Predicted Healthcare Utilization Associated With PND for the Subsample Restricted to Individuals With Fee-for-Service^a

Predicted utilization	Overall	Non-Hispanic White	Non-Hispanic Black	Hispanic
Inpatient admissions^b				
With PND	1.29 (1.27, 1.32)	1.23 (1.20, 1.25)	1.36 (1.33, 1.40)	1.22 (1.13, 1.31)
Without PND	1.11 (1.10, 1.12)	1.09 (1.08, 1.10)	1.13 (1.12, 1.14)	1.10 (1.08, 1.13)
Difference ^c	0.19 (0.16, 0.21)*	0.14 (0.11, 0.17)	0.24 (0.20, 0.27)*	0.11 (0.02, 0.20)
Total inpatient days^b				
With PND	3.67 (3.63, 3.72)	3.31 (3.26, 3.36)	4.08 (4.00, 4.16)	3.32 (3.15, 3.50)
Without PND	2.78 (2.77, 2.80)	2.64 (2.62, 2.66)	2.97 (2.95, 3.00)	2.71 (2.66, 2.75)
Difference ^c	0.89 (0.84, 0.94)*	0.68 (0.62, 0.73)	1.12 (1.04, 1.20)*	0.59 (0.42, 0.77)
Outpatient visits^d				
With PND	33.09 (32.66, 33.53)	30.07 (29.58, 30.55)	36.58 (35.76, 37.40)	28.25 (26.60, 29.90)
Without PND	18.52 (18.40, 18.63)	19.04 (18.88, 19.21)	18.17 (18.00, 18.34)	17.05 (16.74, 17.36)
Difference ^c	14.58 (14.13, 15.03)*	11.48 (10.95, 12.02)	18.08 (17.27, 18.90)*	9.92 (8.44, 11.41)
Emergency department^d				
With PND	3.74 (3.66, 3.82)	3.14 (3.06, 3.23)	4.65 (4.48, 4.81)	2.88 (2.61, 3.16)
Without PND	2.07 (2.04, 2.09)	1.75 (1.72, 1.77)	2.68 (2.64, 2.72)	1.43 (1.38, 1.48)
Difference ^c	1.68 (1.60, 1.76)*	1.44 (1.36, 1.53)	1.94 (1.78, 2.11)	1.35 (1.09, 1.61)*
Drug therapy^e				
With PND	48.89 (47.80, 49.98)	56.84 (55.23, 58.46)	39.96 (38.40, 41.53)	39.13 (35.16, 43.09)
Without PND	25.31 (25.05, 25.57)	27.52 (27.11, 27.93)	23.99 (23.61, 24.36)	19.44 (18.84, 20.05)
Difference ^c	23.58 (22.46, 24.70)*	29.63 (27.96, 31.29)	16.04 (14.43, 17.65)*	18.62 (14.82, 22.41)

Note: For the overall column, boldface indicates statistical significance ($p < 0.05$) for the difference between individuals with and without PND. For the non-Hispanic Black and Hispanic columns, boldface indicates the statistical significance of the effects of PND differing between non-Hispanic Black and White race and between Hispanic ethnicity and White race.

^aData are presented as mean predicted utilization (95% CI). Multivariable negative binomial regression models were used to estimate differences in healthcare utilization associated with PND, controlling for age, race/ethnicity, and comorbidities. Interaction terms between PND status and race/ethnicity categories were used to calculate race-ethnicity specific estimates.

^bIf an individual had ≥ 2 inpatient claims and the start date on the second claim came before or was equal to the end date on the earlier claim, then the claims were grouped into the same admission.

^cDifference in expenditures for those with PND compared with those without PND.

^dClaims incurred on the same day were counted as 1 visit.

^eNumber of weeks of drug therapy covered by a prescription.

Source: 2016–2019 IBM® MarketScan® Multi-State Medicaid Database, restricted to individuals with fee-for-service (N=80,856).

PND, perinatal depression.

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Appendix Table 5. Multivariable Regression Results for Medical Expenditures for the Subsample Restricted to Individuals With Fee-for-Service

A. Total Expenditures

Variable	Coefficient	OR	LBCI	UBCI	<i>p</i> -value
PND status					
Without PND	reference	–	–	–	–
With PND	0.36	1.43	1.40	1.47	<0.001
Race/ethnicity					
NHW	reference	–	–	–	–
NHB	0.07	1.07	1.06	1.09	<0.001
Hispanic	–0.02	0.98	0.96	1.00	0.079
PND and race/ethnicity					
NHB with PND	0.08	1.09	1.05	1.13	<0.001
Hispanic with PND	–0.10	0.91	0.84	0.98	0.018
Age, years					
15–18	0.07	1.07	1.04	1.11	<0.001
19–24	–0.02	0.98	0.97	1.00	0.085
25–29	–0.02	0.98	0.96	1.00	0.014
30–34	reference	–	–	–	–
35–39	0.02	1.02	0.99	1.05	0.213
40–44	0.02	1.02	0.97	1.08	0.383
Comorbidities					
Diabetes	0.26	1.29	1.26	1.33	<0.001
Hypertension	0.16	1.17	1.15	1.19	<0.001
Obesity	0.14	1.15	1.13	1.17	<0.001
Alcohol use disorder	0.25	1.28	1.17	1.41	<0.001
Substance use disorder	0.31	1.37	1.33	1.40	<0.001
Tobacco use	0.16	1.17	1.15	1.19	<0.001

B. Inpatient Expenditures

Variable	Coefficient	OR	LBCI	UBCI	<i>p</i> -value
PND status					
Without PND	reference	–	–	–	–
With PND	0.15	1.17	1.13	1.20	<0.001
Race/ethnicity					
NHW	reference	–	–	–	–
NHB	0.08	1.09	1.06	1.11	<0.001
Hispanic	0.06	1.06	1.02	1.09	0.001
PND and race/ethnicity					
NHB with PND	0.16	1.17	1.11	1.23	<0.001
Hispanic with PND	–0.13	0.88	0.79	0.98	0.022
Age, years					
15–18	–0.04	0.96	0.92	1.00	0.072
19–24	–0.05	0.95	0.93	0.98	<0.001
25–29	–0.05	0.95	0.92	0.97	<0.001

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30–34	reference	–	–	–	–
35–39	0.00	1.00	0.96	1.04	0.882
40–44	0.03	1.03	0.96	1.11	0.371
Comorbidities					
Diabetes	0.10	1.10	1.07	1.14	<0.001
Hypertension	0.16	1.17	1.15	1.20	<0.001
Obesity	0.07	1.07	1.05	1.10	<0.001
Alcohol use disorder	0.05	1.06	0.93	1.19	0.244
Substance use disorder	0.13	1.14	1.10	1.17	<0.001
Tobacco use	0.03	1.03	1.00	1.05	0.055

C. Outpatient Expenditures

Variable	Coefficient	OR	LBCI	UBCI	p-value
PND status					
Without PND	reference	–	–	–	–
With PND	0.42	1.53	1.49	1.57	<0.001
Race/ethnicity					
NHW	reference	–	–	–	–
NHB	0.00	1.00	0.98	1.02	0.817
Hispanic	–0.05	0.95	0.93	0.98	0.001
PND and race/ethnicity					
NHB with PND	0.08	1.09	1.04	1.14	<0.001
Hispanic with PND	–0.03	0.97	0.89	1.06	0.523
Age, years					
15–18	0.23	1.25	1.21	1.30	<0.001
19–24	0.03	1.03	1.00	1.05	0.018
25–29	0.02	1.02	1.00	1.04	0.085
30–34	reference	–	–	–	–
35–39	0.04	1.04	1.01	1.08	0.011
40–44	0.04	1.04	0.98	1.11	0.161
Comorbidities					
Diabetes	0.30	1.35	1.31	1.39	<0.001
Hypertension	0.15	1.16	1.14	1.18	<0.001
Obesity	0.18	1.20	1.18	1.22	<0.001
Alcohol use disorder	0.47	1.61	1.44	1.79	<0.001
Substance use disorder	0.48	1.62	1.57	1.66	<0.001
Tobacco use	0.22	1.25	1.23	1.28	<0.001

D. Emergency Department Expenditures

Variable	Coefficient	OR	LBCI	UBCI	p-value
PND status					
Without PND	reference	–	–	–	–
With PND	0.66	1.93	1.85	2.01	<0.001
Race/ethnicity					
NHW	reference	–	–	–	–
NHB	0.44	1.56	1.52	1.60	<0.001

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Hispanic	-0.06	0.94	0.90	0.98	0.005
PND and race/ethnicity					
NHB with PND	-0.02	0.98	0.91	1.05	0.538
Hispanic with PND	0.05	1.05	0.91	1.21	0.510
Age, years					
15-18	0.62	1.85	1.74	1.97	<0.001
19-24	0.47	1.59	1.54	1.65	<0.001
25-29	0.21	1.23	1.19	1.27	<0.001
30-34	reference	-	-	-	-
35-39	-0.13	0.88	0.84	0.93	<0.001
40-44	-0.26	0.77	0.71	0.85	<0.001
Comorbidities					
Diabetes	0.21	1.23	1.19	1.27	<0.001
Hypertension	0.28	1.32	1.28	1.36	<0.001
Obesity	0.25	1.28	1.08	1.52	0.004
Alcohol use disorder	0.28	1.32	1.27	1.38	<0.001
Substance use disorder	0.49	1.63	1.58	1.69	<0.001
Tobacco use	0.23	1.26	1.21	1.33	<0.001

E. Outpatient Pharmaceutical Expenditures

Variable	Coefficient	OR	LBCI	UBCI	p-value
PND status					
Without PND	reference	-	-	-	-
With PND	0.71	2.03	1.82	2.26	<0.001
Race/ethnicity					
NHW	reference	-	-	-	-
NHB	-0.10	0.90	0.84	0.97	0.004
Hispanic	-0.39	0.68	0.61	0.76	<0.001
PND and race/ethnicity					
NHB with PND	-0.02	0.98	0.82	1.17	0.806
Hispanic with PND	-0.04	0.96	0.66	1.39	0.836
Age, years					
15-18	-0.39	0.68	0.58	0.79	<0.001
19-24	-0.41	0.66	0.61	0.72	<0.001
25-29	-0.18	0.84	0.77	0.92	<0.001
30-34	reference	-	-	-	-
35-39	0.14	1.15	1.01	1.31	0.040
40-44	0.10	1.10	0.87	1.41	0.426
Comorbidities					
Diabetes	0.83	2.29	2.03	2.59	<0.001
Hypertension	0.07	1.07	0.99	1.16	0.081
Obesity	0.22	1.25	1.16	1.35	<0.001
Alcohol use disorder	0.15	1.16	0.75	1.80	0.509
Substance use disorder	0.54	1.72	1.54	1.92	<0.001
Tobacco use	0.25	1.29	1.18	1.40	<0.001

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Source: 2016–2019 IBM® MarketScan® Multi-State Medicaid Database, restricted to individuals with fee-for-service (N=80,856).

PND, perinatal depression; LBCI, lower bound CI; UBCI, upper bound CI; NHW, non-Hispanic White; NHB, non-Hispanic Black.

Notes

1. Elixhauser A, Steiner C, Harris DR, Coffey RM. Comorbidity measures for use with administrative data. *Med Care.* 1998;36(1):8-27.
2. Elixhauser comorbidity software refined for ICD-10-CM. Available from: https://www.hcup-us.ahrq.gov/toolssoftware/comorbidityicd10/comorbidity_icd10.jsp.
3. Chronic conditions data warehouse: Centers for Medicare & Medicaid Services (CMS). Available from: <https://www2.ccwdata.org/web/guest/condition-categories>.