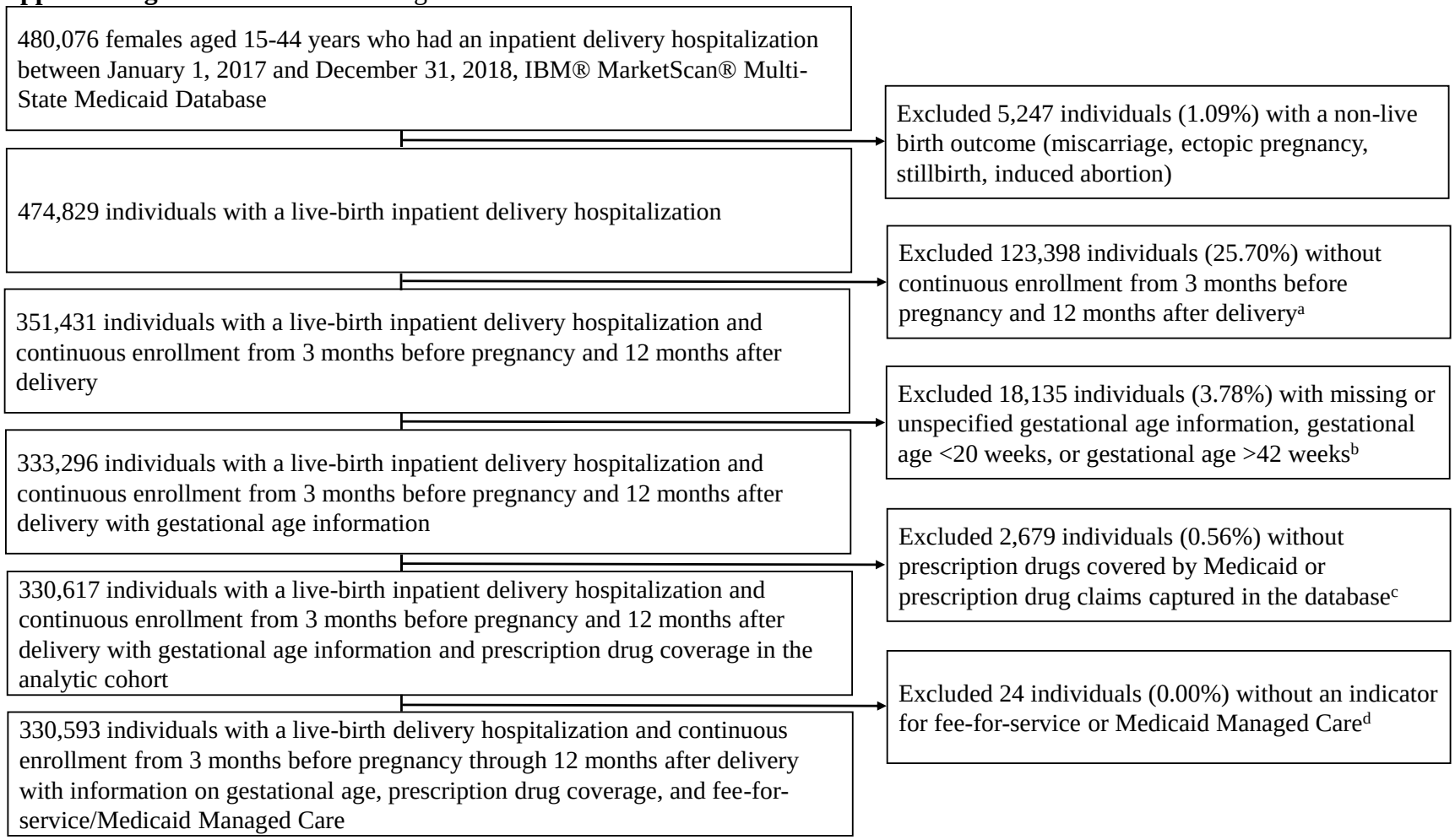
**Appendix Figure 1.** Data attrition diagram.




[a]To 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.
[b]Because 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.
[c]Individuals whose Medicaid coverage excluded prescription drugs were excluded because outcome measures included drug therapy utilization and outpatient pharmaceutical expenditures.
[d]Individuals without an indicator for Medicaid fee-for-service or managed care were excluded because outcomes depended on this information.

**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 |

| | | |
|---|---|---|
| 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 |

[a]The 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 |

| | | |
|---|---|---|
| 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 disorder**[1-3] | | |
| 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 |

| | | |
|---|---|---|
| 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 amnestic 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 amnestic disorder |

| | | |
|---|---|---|
| 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] | | |
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| 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 amnestic 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 amnestic 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 amnestic 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** | | |

| | | |
|---|---|---|
| **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] | | |

| | | |
|---|---|---|
| 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** | | |

| | | |
|---|---|---|
| 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 |

| | | |
|---|---|---|
| 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 |

| | | |
|---|---|---|
| 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 |

[b]All 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.

**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 N=330,593 N (%) | Sensitivity analysis N=406,794 N (%) | *p*-value[a] |
|---|---|---|---|
| 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 N=275,327 N (%) | Sensitivity analysis N=345,446 N (%) | *p*-value[a] |
|---|---|---|---|
| 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 |

| | | | |
|---|---|---|---|
| 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] | 1,075 (0.4) | 1,062 (0.3) | <0.0001 |

**C. Individuals With PND**

| | **Analytic cohort N=55,266** | **Sensitivity analysis N=61,348** | |
|---|---|---|---|
| **Characteristics** | **N (%)** | **N (%)** | ***p*-value[a]** |
| 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] | 3,666 (6.6) | 3,661 (6.0) | <0.0001 |
| 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 |

[a]Comparing characteristics of the analytic cohort with those of the sensitivity analysis.

[b]Diabetes includes diabetes with and without complications and gestational diabetes.
[c]Hypertension includes chronic hypertension, maternal hypertension, gestational hypertension, preeclampsia, and eclampsia.
[d]Prior 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.

**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 | *p*-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 | *p*-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 |

| | | | | | |
|---|---|---|---|---|---|
| 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 |

| | | | | | |
|---|---|---|---|---|---|
| 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 |

**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 |

| | | | | | |
|---|---|---|---|---|---|
| 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 | *p*-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 | *p*-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 |

| | | | | | |
|---|---|---|---|---|---|
| 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.

**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.

[a]Data 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.

[b]If 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.

[c]Difference in expenditures for those with PND compared with those without PND.

[d]Claims incurred on the same day were counted as 1 visit.

[e]Number 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.

**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 | *p*-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 | *p*-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 |

| | | | | | |
|---|---|---|---|---|---|
| 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 |

| | | | | | |
|---|---|---|---|---|---|
| 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 | 0.23 | 1.26 | 1.21 | 1.33 | <0.001 |
| 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 |

*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.