**Appendix D**

**PIP Variable Creation Plan**

**Data set: Maternal Outcomes**

1. Background/Overview

The PIP “Maternal Outcomes” data creation plan is intended to supplement previously created outcome data files from KPNW and KPNC teams. The goal is to create a flat file to summarize maternal pregnancy outcomes of interest with rows representing subjects (Maternal StudyID and season of participation) and columns capturing specific diagnoses (or conditions) that occur within particular timeframes. This plan creates variables based on three dimensions:

* Occurrence of a medical encounter recording a diagnosis categories (i.e., sets of ICD codes)
* Time periods of interest before/during/after pregnancy
* Type of variable (dichotomous or date)

We are interested in all medical encounters (ambulatory or inpatient). Since the vast majority of codes will be ambulatory, combining them in a single count is sufficient. However, if these have to be calculated in separate variables, one can simply add a prefix to all variables and have two sets of variables for those derived from ambulatory (OUT\_\*) vs. inpatient (INP\_\*\_).

Differentiating between inpatient and outpatient encounters using ENCTYPE in ICD-9 data:

|  |  |
| --- | --- |
| **Encounter type in ICD-9 Dataset** | **Designate as Inpatient or Outpatient in Maternal Outcomes Dataset** |
| (AV) Ambulatory visit ; | Outpatient |
| (ED) emergency department encounter that result in an inpatient admission; that stay would be a new records; excludes urgent care visits; | Inpatient |
| (EM) email encounters; | Outpatient |
| (IP) acute inpatient hospital stay, Inpatient stays, same-day hospital discharges, hospital transfers, observation bed, acute hospital care where the discharge is after admission date; | Inpatient |
| (IS) non-acute Institutional stays, hospice, SNF, rehab, nursing home, residential, overnight non-hospital dialysis and other non-hospital stays; | Inpatient |
| (LO) lab only encounter that cannot be matched to another encounter. Include to link variables from utilization file to procedure file; | Outpatient |
| (OE) other encounters not overnight, Hospice visits, home health visits, SNF visits, other non-hospital visits; | Outpatient |
| (RO) radiology only encounter that cannot be matched to another encounter. | Outpatient |
| (TE) telephone encounters | Outpatient |

**Note about outpatient encounters:**

A couple of women have outpatient visits with very long “stays.” For any outpatient encounter where the time between the encounter/admit date and the discharge date was >5 days, we set the discharge date to equal the encounter/admit date. See attached spreadsheet for the list of diagnosis-level records that were affected.

**2.** **Content areas and root variable names**

|  |  |  |  |
| --- | --- | --- | --- |
| **ROOT** | **Outcome** | **Encounters with ICD-9 CM codes** | **Description of Outcome** |
| INPTDAYS | Days with acode associated with inpatient care | ANY | Total days of inpatient care |
| INPTEPI | Number of separate admissions (separate day associated with an admission code) | ANY | Total admissions for inpatient care |
| OUTDAYS | Any code associated with an outpatient encounter | ANY | Total days of outpatient care |
| GH | Gestational Hypertension | 642.3, 642.9 | Transient HTN of pregnancy; Unspec HTN in pregnancy |
| GHX | Gestational Hypertension Exclusions[[1]](#footnote-1) | 401. inclusive; 642.0; 642.1; 642.2 | Essential HTN; essential HTN compl prg; HTN 20 renal dz; other preexist HTN |
| PREECL | Preeclampsia/Eclampsia | 642.4 through 642.7\* | Preeclampsia or Eclampsia |
| GDM | Gestational Diabetes | 648.8 | Abnorm glucose tolerance |
| GDMX | Gestational Diabetes Exclusions | 250. inclusive; 251. inclusive | Preexisting diabetes or pancreatic disorders |
| PPTDM | Diabetes after delivery | 250. inclusive; 251. inclusive | Diabetes or pancreatic disorders after delivery |
| CHOR | Chorioamnionitis | 658.4 inclusive | Inf amniotic cavity |
| PREGDEP | Depression in pregnancy | 296.2-296.3, 311; 648.43 | Major depressive disorder single; recurrent; depression NOS; mental disorder in pregnancy (not del) |
| PPTDEP | Post-partum depression | 296.2-296.3; 311; 648.41, 648.42; 648.44 | Major depressive disorder single; recurrent; depression NOS; mental disorder in pregnancy (del) |
| DEPPRE | Pre-existing Depression | 296.2-296.3; 311 | Pre-existing depression |
| LNGLBR | Prolonged Labor | 662.0-662.2 | 662.0 through 662.2 |
| CSEC | C-sec | 669.7; procedure code 74 (inclusive) | Cesarean delivery |
| ASSTDEL | Assisted delivery | 669.5; procedure code 72.0-72.4; 72.6, 72.7, 72.8, 72.9 | Foreceps or vacuum delivery |
| THRTDEL | Threatened delivery | 644.0; 644.1; 644.2 | Early or threatened labor |
| FALSLBR | False labor | 644.1 |  |
| PREGBLD | Bleeding in pregnancy | 640. inclusive; 641.0 through 641.2; 641.8 through 641.9 | Hemorrhage in early pregnancy; Antepartum hemorrhage, abruptio placentae; placenta previa |
| BLDX | Bleeding in Pregnancy Exclusions | 649.3; 649.5; 286 inclusive; 287 inclusive; 289 inclusive | Hemorrhage associated with coag defects; Spotting in pregnancy; Coagulation defects; purpura and hemorrhagic conditions; Diseases of blood and blood forming organs |
| PPTBLD | Post partum bleeding | 666 inclusive | Post partum hemorrhage |
| RETPLAC | Retained placenta w/o bleeding | 667 inclusive | Retained placenta without hemorrhage |
| PREGVOM | Hyperemesis gravidarum | 643 inclusive | Excessive vomiting in pregnancy |
| PREGEPIL | Epilepsy in pregnancy | 649.4; classifiable to 345 inclusive |  |
| EPILX | Epilepsy and recurrent seizures | 345 inclusive |  |
| PREGINF | Infection in pregnancy | 647 inclusive |  |
| PREGLT | Late pregnancy | 645 inclusive | Post term pregnancy |

**2. Time windows**

For each participant, calculate unique milestone dates relevant to each woman’s pregnancy. These dates then define the windows in which we look for encounters with specific root variable codes.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **VARIABLE ROOT** | **DESCRIPTION** | **SOURCE** | **TYPE** | **RESPONSES** |
| **FIRSTVISIT** | Date of first medical encounter (of any cause) in medical encounter data set |  |  |  |
| **LASTVISIT** | Date of last encounter available |  |  |  |
| **DOC** | Date of conception | (PREGSTARTDT from Pregnancy Outcomes dataset) | Date  MM/DD/YYYY | Missing for 4 participants |
| **DOC\_1YRP** | One year prior to DOC (365 days) | Calculate using DOC | Date  MM/DD/YYYY |  |
| **TRI\_1\_DT** | Date of end of first trimester | Calculate using DOC (plus 90 days) | Date  MM/DD/YYYY |  |
| **TRI\_2\_DT** | Date of end of second trimester | Calculate using DOC (plus 180 days) | Date  MM/DD/YYYY |  |
| **DEOP** | Date of end of pregnancy | (PREGENDDT from Pregnancy Outcomes dataset) | Date  MM/DD/YYYY | Missing for 9 participants |
| **DEOP\_PRIOR** | One week (7 days) prior to DEOP | Calculate using DEOP (plus 7 days) | Date  MM/DD/YYYY |  |
| **DEOP\_POST** | One week (7 days) post DEOP | Calculate using DEOP (plus 7 days) | Date  MM/DD/YYYY |  |
| **D1MPP** | Date 1 month (28 days) post pregnancy (post delivery date) | Calculate using DEOP | Date  MM/DD/YYYY | Missing for 9 participants |
| **D6MPP** | Date six months (168 days) post pregnancy (post delivery date) | Calculate using DEOP | Date  MM/DD/YYYY | Missing for 9 participants |

\* Footnote: It is theoretically possible that a variable might overlap in two time frames (e.g. last day of 1st trimester could overlap with first day of 2nd trimester etc.) In those instances, the variable will default to the earliest time frame of the given overlap**.**

**3. Types of variables**

All content areas for all relevant time windows will be quantified with two types of variables:

* Di = Dichotomous – the presence (1) or absence (0) of any code in that content area during the designated time period
* FDT = Date (MM/DD/YYYY) – First date of an encounter with any code in that category
* CNT = Count of days where one or more codes occurred

**4. Resulting variable names**

The established descriptive variables for the initial data set and the derived variables from the dimensions described above should result in the following variable names in a flat (one row per study ID) file:

|  |  |  |  |
| --- | --- | --- | --- |
|  |  | **DT of Start of Window** | **DT of End of Window** |
| **INPTDAYS\_T1\_CNT** | Number of days hospitalized (or number of days with a code associated with an inpatient event in the first trimester) | **DOC** | **TRI\_1\_DT** |
| **INPTDAYS\_T2\_CNT** | Number of days hospitalized (or number of days with a code associated with an inpatient event in the second trimester) | **TRI\_1\_DT** | **TRI\_2\_DT** |
| **INPTDAYS\_T3\_CNT** | Number of days hospitalized (or number of days with a code associated with an inpatient event in the third trimester) | **TRI\_2\_DT** | **DEOP** |
| **INPTDAYS\_TOT\_CNT** | TOTAL number of days hospitalized (or number of days with a code associated with an inpatient event during pregnancy) | **DOC** | **DEOP** |
| **INPTDAYS\_PRIOR\_CNT** | TOTAL number of days hospitalized (or number of days with a code associated with an inpatient event in the year preceding pregnancy) | **DOC\_1YRP** | **DOC** |
| **INPTDAYS\_PPT\_CNT** | TOTAL number of days hospitalized (or number of days with a code associated with an inpatient event in the 6 months post pregnancy) | **DEOP** | **D6MPP** |
| **INPTDAYS\_DEL\_CNT** | TOTAL number of days hospitalized (or number of days with a code associated with an inpatient event around delivery) | **DEOP\_PRIOR** | **DEOP\_POST** |
| **INPTEPI\_T1\_CNT** | Number of discrete admissions associated with inpatient events in the first trimester | **DOC** | **TRI\_1\_DT** |
| **INPTEPI\_T2\_CNT** | Number of discrete admissions associated with inpatient events in the second trimester | **TRI\_1\_DT** | **TRI\_2\_DT** |
| **INPTEPI\_T3\_CNT** | Number of discrete admissions associated with inpatient events in the third trimester | **TRI\_2\_DT** | **DEOC** |
| **INPTEPI\_TOT\_CNT** | TOTAL number of discrete admissions associated with inpatient events during pregnancy | **DOC** | **DEOP** |
| **INPTEPI\_PRIOR\_CNT** | TOTAL number of discrete admissions associated with inpatient events in the year preceding pregnancy) | **DOC\_1YRP** | **DOC** |
| **INPTEPI\_PPT\_CNT** | TOTAL number of discrete admissions associated with inpatient events in the 6 months post pregnancy) | **DEOP** | **D6MPP** |
| **INPTEPI\_DEL\_CNT** | TOTAL number of discrete admissions associated with inpatient events around delivery) | **DEOP\_PRIOR** | **DEOP\_POST** |
| **OUTDAYS\_T1\_CNT** | Number of separate days with an outpatient medical encounter in the first trimester | **DOC** | **TRI\_1\_DT** |
| **OUTDAYS\_T2\_CNT** | Number of separate days with an outpatient medical encounter in the second trimester | **TRI\_1\_DT** | **TRI\_2\_DT** |
| **OUTDAYS\_T3\_CNT** | Number of separate days with an outpatient medical encounter in the third trimester | **TRI\_2\_DT** | **DEOP** |
| **OUTDAYS\_TOT\_CNT** | TOTAL number of separate days with an outpatient medical encounter during pregnancy | **DOC** | **DEOP** |
| **OUTDAYS\_PRIOR\_CNT** | TOTAL number of separate days with an outpatient medical encounter the year preceding pregnancy) | **DOC\_1YRP** | **DOC** |
| **OUTDAYS\_PPT\_CNT** | TOTAL number of separate days with an outpatient medical encounter in the 6 months post pregnancy | **DEOP** | **D6MPP** |
| **OUTDAYS\_DEL\_CNT** | TOTAL number of separate days with an outpatient medical encounter around delivery | **DEOP\_PRIOR** | **DEOP\_POST** |
| **OUTEPI\_T1\_CNT** | Number of discrete visits associated with outpatient events in the first trimester | **DOC** | **TRI\_1\_DT** |
| **OUTEPI\_T2\_CNT** | Number of discrete visits associated with outpatient events in the second trimester | **TRI\_1\_DT** | **TRI\_2\_DT** |
| **OUTEPI\_T3\_CNT** | Number of discrete visits associated with outpatient events in the third trimester | **TRI\_2\_DT** | **DEOC** |
| **OUTEPI\_TOT\_CNT** | TOTAL number of discrete visits associated with outpatient events during pregnancy | **DOC** | **DEOP** |
| **OUTEPI\_PRIOR\_CNT** | TOTAL number of discrete visits associated with outpatient events in the year preceding pregnancy) | **DOC\_1YRP** | **DOC** |
| **OUTEPI\_PPT\_CNT** | TOTAL number of discrete visits associated with outpatient events in the 6 months post pregnancy) | **DEOP** | **D6MPP** |
| **OUTEPI\_DEL\_CNT** | TOTAL number of discrete visits associated with outpatient events around delivery) | **DEOP\_PRIOR** | **DEOP\_POST** |
| **GH\_T1\_Di** | Any GH code for an encounter between DOC and end of 1st trimester (=1) | **DOC** | **TRI\_1\_DT** |
| **GH\_T1\_FDT** | Date of first encounter with a GH code during the period DOC and end of 1st trimester | **DOC** | **TRI\_1\_DT** |
| **GH\_T2\_Di** | Any GH code for an encounter between end of 1st trimester and end of 2nd trimester (=1) | **TRI\_1\_DT** | **TRI\_2\_DT** |
| **GH\_T2\_FDT** | Date of first encounter with a GH code during the period end of 1st trimester and end of 2nd trimester | **TRI\_1\_DT** | **TRI\_2\_DT** |
| **GH\_T3\_Di** | Any GH code for an encounter between end of 2nd trimester and date of end of pregnancy (=1) | **TRI\_2\_DT** | **DEOP** |
| **GH\_T3\_FDT** | Date of first encounter with a GH code during the period end of 2nd trimester and date of end of pregnancy | **TRI\_2\_DT** | **DEOP** |
| **GHX\_ANY\_Di** | Any GHX code for an encounter during the period one year prior to DOC (365 days) and date of end of pregnancy | **DOC\_1YRP** | **DEOP** |
| **GHX\_ANY\_FDT** | Date of first encounter with a GHX code during the period one year prior to DOC (365 days) and date of end of pregnancy | **DOC\_1YRP** | **DEOP** |
| **PREECL\_T1\_Di** | Any PREECL code for an encounter between DOC and end of 1st trimester (=1) | **DOC** | **TRI\_1\_DT** |
| **PREECL\_T1\_FDT** | Date of first encounter with a PREECL code during the period DOC and end of 1st trimester | **DOC** | **TRI\_1\_DT** |
| **PREECL\_T2\_Di** | Any PREECL code for an encounter between end of 1st trimester and end of 2nd trimester (=1) | **TRI\_1\_DT** | **TRI\_2\_DT** |
| **PREECL\_T2\_FDT** | Date of first encounter with a PREECL code during the period end of 1st trimester and end of 2nd trimester | **TRI\_1\_DT** | **TRI\_2\_DT** |
| **PREECL\_T3\_Di** | Any PREECL code for an encounter between end of 2nd trimester and date of end of pregnancy (=1) | **TRI\_2\_DT** | **DEOP** |
| **PREECL\_T3\_FDT** | Date of first encounter with a PREECL code during the period end of 2nd trimester and date of end of pregnancy | **TRI\_2\_DT** | **DEOP** |
| **GDM\_T1\_Di** | Any GDM code for an encounter between DOC and end of 1st trimester (=1) | **DOC** | **TRI\_1\_DT** |
| **GDM\_T1\_FDT** | Date of first encounter with a GDM code during the period DOC and end of 1st trimester | **DOC** | **TRI\_1\_DT** |
| **GDM\_T2\_Di** | Any GDM code for an encounter between end of 1st trimester and end of 2nd trimester (=1) | **TRI\_1\_DT** | **TRI\_2\_DT** |
| **GDM\_T2\_FDT** | Date of first encounter with a GDM code during the period end of 1st trimester and end of 2nd trimester | **TRI\_1\_DT** | **TRI\_2\_DT** |
| **GDM\_T3\_Di** | Any GDM code for an encounter between end of 2nd trimester and date of end of pregnancy (=1) | **TRI\_2\_DT** | **DEOP** |
| **GDM\_T3\_FDT** | Date of first encounter with a GDM code during the period end of 2nd trimester and date of end of pregnancy | **TRI\_2\_DT** | **DEOP** |
| **GDMX\_ANY\_Di** | Any GDMX code for an encounter during the period one year prior to DOC (365 days) and date of end of pregnancy | **DOC\_1YRP** | **DEOP** |
| **GDMX\_ANY\_FDT** | Date of first encounter with an any GDMX code during the period one year prior to DOC (365 days) and date of end of pregnancy | **DOC\_1YRP** | **DEOP** |
| **PPTDM\_ANY\_Di** | Any PPTDM code for an encounter between end of pregnancy and six months post pregnancy (=1) | **DEOP** | **D6MPP** |
| **PPTDM\_ANY\_FDT** | Date of first encounter with and any PPTDM code from end of pregnancy through six months post pregnancy | **DEOP** | **D6MPP** |
| **CHOR\_T1\_Di** | Any CHOR code for an encounter between DOC and end of 1st trimester (=1) | **DOC** | **TRI\_1\_DT** |
| **CHOR\_T1\_FDT** | Date of first encounter with a CHOR code during the period DOC and end of 1st trimester | **DOC** | **TRI\_1\_DT** |
| **CHOR\_T2\_Di** | Any CHOR code for an encounter between end of 1st trimester and end of 2nd trimester (=1) | **TRI\_1\_DT** | **TRI\_2\_DT** |
| **CHOR\_T2\_FDT** | Date of first encounter with a CHOR code during the period end of 1st trimester and end of 2nd trimester | **TRI\_1\_DT** | **TRI\_2\_DT** |
| **CHOR\_T3\_Di** | Any CHOR code for an encounter between end of 2nd trimester and date of end of pregnancy (=1) | **TRI\_2\_DT** | **DEOP** |
| **CHOR\_T3\_FDT** | Date of first encounter with a CHOR code during the period end of 2nd trimester and date of end of pregnancy | **TRI\_2\_DT** | **DEOP** |
| **PREGDEP\_T1\_Di** | Any PREGDEP code for an encounter between DOC and end of 1st trimester (=1) | **DOC** | **TRI\_1\_DT** |
| **PREGDEP\_T1\_FDT** | Date of first encounter with a PREGDEP code during the period DOC and end of 1st trimester | **DOC** | **TRI\_1\_DT** |
| **PREGDEP\_T2\_Di** | Any PREGDEP code for an encounter between end of 1st trimester and end of 2nd trimester (=1) | **TRI\_1\_DT** | **TRI\_2\_DT** |
| **PREGDEP\_T2\_FDT** | Date of first encounter with a PREGDEP code during the period end of 1st trimester and end of 2nd trimester | **TRI\_1\_DT** | **TRI\_2\_DT** |
| **PREGDEP\_T3\_Di** | Any PREGDEP code for an encounter between end of 2nd trimester and date of end of pregnancy (=1) | **TRI\_2\_DT** | **DEOP** |
| **PREGDEP\_T3\_FDT** | Date of first encounter with a PREGDEP code during the period end of 2nd trimester and date of end of pregnancy | **TRI\_2\_DT** | **DEOP** |
| **DEPPRE\_ANY\_Di** | Any DEPPRE code for an encounter during the period one year prior to DOC (365 days) and DOC | **DOC\_1YRP** | **DOC** |
| **DEPPRE\_ANY\_FDT** | Date of first encounter with an Any DEPPRE code during the period one year prior to DOC (365 days) and DOC | **DOC\_1YRP** | **DOC** |
| **PPTDEP\_ANY\_Di** | Any PPTDEP code for an encounter between end of pregnancy and six months post pregnancy (=1) | **DEOP** | **D6MPP** |
| **PPTDEP\_ANY\_FDT** | Date of first encounter with an  Any PPTDEP code between end of pregnancy and six months post pregnancy | **DEOP** | **D6MPP** |
| **LNGLBR\_ANY\_Di** | Any LNGLBR code for an encounter between One week prior to DEOP and 1 week post end of pregnancy (=1) | **DEOP\_PRIOR** | **DEOP\_POST** |
| **CSEC\_ANY\_Di** | Any CSEC code for an encounter between One week prior to DEOP and 1 week post end of pregnancy (=1) | **DEOP\_PRIOR** | **DEOP\_POST** |
| **ASSTDEL\_ANY\_Di** | Any ASSTDEL code for an encounter between One week prior to DEOP and 1 week post end of pregnancy (=1) | **DEOP\_PRIOR** | **DEOP\_POST** |
| **THRTDEL\_T1\_Di** | Any THRTDEL code for an encounter between DOC and end of 1st trimester (=1) | **DOC** | **TRI\_1\_DT** |
| **THRTDEL\_T1\_FDT** | Date of first encounter with a THRTDEL code during the period DOC and end of 1st trimester | **DOC** | **TRI\_1\_DT** |
| **THRTDEL\_T2\_Di** | Any THRTDEL code for an encounter between end of 1st trimester and end of 2nd trimester (=1) | **TRI\_1\_DT** | **TRI\_2\_DT** |
| **THRTDEL\_T2\_FDT** | Date of first encounter with a THRTDEL code during the period end of 1st trimester and end of 2nd trimester | **TRI\_1\_DT** | **TRI\_2\_DT** |
| **THRTDEL\_T3\_Di** | Any THRTDEL code for an encounter between end of 2nd trimester and date of end of pregnancy (=1) | **TRI\_2\_DT** | **DEOP** |
| **THRTDEL\_T3\_FDT** | Date of first encounter with a THRTDEL code during the period end of 2nd trimester and date of end of pregnancy | **TRI\_2\_DT** | **DEOP** |
| **FALSLBR\_T1\_Di** | Any FALSLBR code for an encounter between DOC and end of 1st trimester (=1) | **DOC** | **TRI\_1\_DT** |
| **FALSLBR\_T1\_FDT** | Date of first encounter with a FALSLBR code during the period DOC and end of 1st trimester | **DOC** | **TRI\_1\_DT** |
| **FALSLBR\_T2\_Di** | Any FALSLBR code for an encounter between end of 1st trimester and end of 2nd trimester (=1) | **TRI\_1\_DT** | **TRI\_2\_DT** |
| **FALSLBR\_T2\_FDT** | Date of first encounter with a FALSLBR code during the period end of 1st trimester and end of 2nd trimester | **TRI\_1\_DT** | **TRI\_2\_DT** |
| **FALSLBR\_T3\_Di** | Any FALSLBR code for an encounter between end of 2nd trimester and date of end of pregnancy (=1) | **TRI\_2\_DT** | **DEOP** |
| **FALSLBR\_T3\_FDT** | Date of first encounter with a FALSLBR code during the period end of 2nd trimester and date of end of pregnancy | **TRI\_2\_DT** | **DEOP** |
| **PREGBLD\_T1\_Di** | Any PREGBLD code for an encounter between DOC and end of 1st trimester (=1) | **DOC** | **TRI\_1\_DT** |
| **PREGBLD\_T1\_FDT** | Date of first encounter with a PREGBLD code during the period DOC and end of 1st trimester | **DOC** | **TRI\_1\_DT** |
| **PREGBLD\_T2\_Di** | Any PREGBLD code for an encounter between end of 1st trimester and end of 2nd trimester (=1) | **TRI\_1\_DT** | **TRI\_2\_DT** |
| **PREGBLD\_T2\_FDT** | Date of first encounter with a PREGBLD code during the period end of 1st trimester and end of 2nd trimester | **TRI\_1\_DT** | **TRI\_2\_DT** |
| **PREGBLD\_T3\_Di** | Any PREGBLD code for an encounter between end of 2nd trimester and date of end of pregnancy (=1) | **TRI\_2\_DT** | **DEOP** |
| **PREGBLD\_T3\_FDT** | Date of first encounter with a PREGBLD code during the period end of 2nd trimester and date of end of pregnancy | **TRI\_2\_DT** | **DEOP** |
| **BLDX\_ANY\_Di** | Any BLDX code for an encounter during the period one year prior to DOC (365 days) and date of end of pregnancy | **DOC\_1YRP** | **DEOP** |
| **BLDX\_ANY\_FDT** | Date of first encounter with an Any BLDX code during the period one year prior to DOC (365 days) and date of end of pregnancy | **DOC\_1YRP** | **DEOP** |
| **PPTBLD\_ANY\_Di** | Any PPTBLD code for an encounter between end of pregnancy and six months post pregnancy (=1) | **DEOP** | **D6MPP** |
| **PPTBLD\_PP\_FDT** | Date of first encounter with a PPTBLD code during the period end of pregnancy and six months post pregnancy | **DEOP** | **D6MPP** |
| **RETPAC\_ANY\_Di** | Any RETPLAC code for an encounter between end of pregnancy and 1 week post pregnancy (=1) | **DEOP** | **DEOP\_POST** |
| **RETPLAC\_PP\_FDT** | Date of first encounter with a RETPLAC code during the period end of pregnancy 1 week post pregnancy | **DEOP** | **DEOP\_POST** |
| **PREGVOM\_T1\_Di** | Any PREGVOM code for an encounter between DOC and end of 1st trimester (=1) | **DOC** | **TRI\_1\_DT** |
| **PREGVOM\_T1\_FDT** | Date of first encounter with a PREGVOM code during the period DOC and end of 1st trimester | **DOC** | **TRI\_1\_DT** |
| **PREGVOM\_T2\_Di** | Any PREGVOM code for an encounter between end of 1st trimester and end of 2nd trimester (=1) | **TRI\_1\_DT** | **TRI\_2\_DT** |
| **PREGVOM\_T2\_FDT** | Date of first encounter with a PREGVOM code during the period end of 1st trimester and end of 2nd trimester | **TRI\_1\_DT** | **TRI\_2\_DT** |
| **PREGVOM\_T3\_Di** | Any PREGVOM code for an encounter between end of 2nd trimester and date of end of pregnancy (=1) | **TRI\_2\_DT** | **DEOP** |
| **PREGVOM\_T3\_FDT** | Date of first encounter with a PREGVOM code during the period end of 2nd trimester and date of end of pregnancy | **TRI\_2\_DT** | **DEOP** |
| **PREGEPIL\_T1\_Di** | Any PREGEPIL code for an encounter between DOC and end of 1st trimester (=1) | **DOC** | **TRI\_1\_DT** |
| **PREGEPIL\_T1\_FDT** | Date of first encounter with a PREGEPIL code during the period DOC and end of 1st trimester | **DOC** | **TRI\_1\_DT** |
| **PREGEPIL\_T2\_Di** | Any PREGEPIL code for an encounter between end of 1st trimester and end of 2nd trimester (=1) | **TRI\_1\_DT** | **TRI\_2\_DT** |
| **PREGEPIL\_T2\_FDT** | Date of first encounter with a PREGEPIL code during the period end of 1st trimester and end of 2nd trimester | **TRI\_1\_DT** | **TRI\_2\_DT** |
| **PREGEPIL\_T3\_Di** | Any PREGEPIL code for an encounter between end of 2nd trimester and date of end of pregnancy (=1) | **TRI\_2\_DT** | **DEOP** |
| **PREGEPIL\_T3\_FDT** | Date of first encounter with a PREGEPIL code during the period end of 2nd trimester and date of end of pregnancy | **TRI\_2\_DT** | **DEOP** |
| **EPILX\_ANY\_Di** | Any EPILX code for an encounter during the period one year prior to DOC (365 days) and date of end of pregnancy | **DOC\_1YRP** | **DOC** |
| **EPILX\_ANY\_FDT** | Date of first encounter for Any EPILX code during the period one year prior to DOC (365 days) and date of end of pregnancy | **DOC\_1YRP** | **DOC** |
| **PREGINF\_T1\_Di** | Any PREGINF code for an encounter between DOC and end of 1st trimester (=1) | **DOC** | **TRI\_1\_DT** |
| **PREGINF\_T1\_FDT** | Date of first encounter with a PREGINFcode during the period DOC and end of 1st trimester | **DOC** | **TRI\_1\_DT** |
| **PREGINF\_T2\_Di** | Any PREGINF code for an encounter between end of 1st trimester and end of 2nd trimester (=1) | **TRI\_1\_DT** | **TRI\_2\_DT** |
| **PREGINF\_T2\_FDT** | Date of first encounter with a PREGINF code during the period end of 1st trimester and end of 2nd trimester | **TRI\_1\_DT** | **TRI\_2\_DT** |
| **PREGINF\_T3\_Di** | Any PREGINF code for an encounter between end of 2nd trimester and date of end of pregnancy (=1) | **TRI\_2\_DT** | **DEOP** |
| **PREGINF\_T3\_DT** | Date of first encounter with a PREGINFcode during the period end of 2nd trimester and date of end of pregnancy | **TRI\_2\_DT** | **DEOP** |
| **PREGLT\_ANY\_Di** | Any PREGLT code for an encounter between end of pregnancy and 1 week post pregnancy (=1) | **DEOP\_PRIOR** | **DEOP\_POST** |

1. Note that encounters that flag possible “exclusions” are being examined to aid in interpreting the primary disease of interest. So, for example, we plan to interpret GH related results by considering GHX related events as well. [↑](#footnote-ref-1)