Table of Contents for PHD 2.0 Analytic Data Dictionaries Part 1

[Update Changes 3](#_Toc178330954)

[Birth Records Infant/Child: Registry of Vital Records and Statistics (PHDBIRTH.BIRTH\_INFANT) 6](#_Toc178330955)

[Birth Records MOM: Registry of Vital Records and Statistics (PHDBIRTH.BIRTH\_MOM) 26](#_Toc178330956)

[Bureau of Substance Addiction Services (PHDBSAS.BSAS) 46](#_Toc178330957)

[BSAS MOUD Disenrollment (PHDBSAS.HOCMOUD\_DIS) 66](#_Toc178330958)

[BSAS MOUD Enrollment (PHDBSAS.HOCMOUD) 79](#_Toc178330959)

[BSAS MOUD Periodic (PHDBSAS.HOCMOUD\_Period) 108](#_Toc178330960)

[BSAS HOC DOC Surveillance (PHDBSAS.HOCSURV) 113](#_Toc178330961)

[Population Census Data (PHDCENS) 129](#_Toc178330962)

[Carceral Resource Index (PHDCENS.CRI) 153](#_Toc178330963)

[County Drug Seizure Data (PHDCENS.DRUG\_SEIZURE) 155](#_Toc178330964)

[Death Records – (PHDDEATH.DEATH) 157](#_Toc178330965)

[Family Homelessness – Executive Office of Housing and Livable Communities (PHDDHCD.DHCD) 166](#_Toc178330966)

[Department of Industrial Accidents - Worker’s Compensation (PHDDIA.DIA) 171](#_Toc178330967)

[Department of Correction (PHDDOC.DOC) 179](#_Toc178330968)

[Department of Mental Health (PHDDMH.DMH) 186](#_Toc178330969)

[Department of Mental Health- RAP (PHDDMH.RAP) 210](#_Toc178330970)

[SNAP Benefit Program - Department of Transitional Assistance (PHDDTA.DTA) 217](#_Toc178330971)

[Veteran’s Benefits – Executive Office of Veterans’ Services (PHDDVS.DVS\_CH115) 225](#_Toc178330972)

[Veteran’s Benefits – Executive Office of Veterans’ Services (PHDDVS.DVS\_ANN) 228](#_Toc178330973)

[Early Intervention Clients (PHDEI.EI\_CLIENTS) 230](#_Toc178330974)

[Early Intervention Clients – Diagnoses Table (PHDEI.EI\_DiagnosesTable) 235](#_Toc178330975)

[Early Intervention (EI) Discharge (PHDEI.EI\_DISCHARGES) 236](#_Toc178330976)

[Early Intervention Evaluation (PHDEI.EI\_EVALUATION) 240](#_Toc178330977)

[Fetal Deaths - Registry of Vital Records and Statistics (PHDFETAL.FETALDEATH) 247](#_Toc178330978)

[House of Correction (PHDHOC.HOC) 262](#_Toc178330979)

[OEND File (PHDZIP.OEND) 265](#_Toc178330980)

[Massachusetts Ambulance Trip Record Information System (PHDEMS.MATRIS) 270](#_Toc178330981)

[MIIS- COVID (PHDMIIS.COVID) 297](#_Toc178330982)

[Hepatitis A – MAVEN (PHDHEPA.HAV) 302](#_Toc178330983)

[Hepatitis C - MAVEN (PHDHEPC.HCV) 304](#_Toc178330984)

[HIV\_Incidence (PHDHIV.HIV\_INC) 307](#_Toc178330985)

[HIV Prevalence (PHDHIV.HIV\_PREV) 309](#_Toc178330986)

[MAVEN HIV Case reports – Prevalence CD4 (PHDHIV.HIV\_PREV\_CD4) 312](#_Toc178330987)

[MAVEN- COVID (PHDCOVID.COVID\_MAVEN) 317](#_Toc178330988)

[Massachusetts Cancer Registry (PHDMCR.MCR) 330](#_Toc178330989)

[Prescription Monitoring Program – PMP (PHDPMP.PMP) 336](#_Toc178330990)

[Prescription Monitoring Program Role Spec (PHDPMP.PMP\_RS) 346](#_Toc178330991)

[Spine Demographic Variables (PHDSPINE.DEMO) 347](#_Toc178330992)

[Spine MOUD Dataset (PHDSPINE.MOUD) 362](#_Toc178330993)

[Opioid-related Overdoses and Overdose Deaths (PHDSPINE.OVERDOSE) 366](#_Toc178330994)

[Postmortem Toxicology Results (PHDTOX.TOX) 377](#_Toc178330995)

[Women, Infants, and Children Program - Infant/Child (PHDWIC.WIC\_KID) 380](#_Toc178330996)

[Women, Infants, and Children Program – Mom (PHDWIC.WIC\_MOM) 391](#_Toc178330997)

[Appendix 1: Spine Variable Components 400](#_Toc178330998)

## **Update Changes**

## Update Summary Version 13

| PHD Dataset | Changes |
| --- | --- |
| DIA | 2022 Data Added |
| BSAS, DTA, DOC, MATRIS, HOC Worcester, HOC Hampshire, HOC Plumouth, PMP | 2023 Data Added |
| PHDDeath.Deaths | Updated pregnacy associated and pregnancy related flags for 2016-2022 |
| PHDDIA.DIA | Added ANSI\_BODY7, ANSI\_BODY8 ANSI\_NATURE7 ANS\_NATURE8 variables |
| PHDEMS.MATRIS | 1. Added in the following new fields - SECOND\_IMPRESSION18-SECOND\_IMPRESSION41 2. Refreshed 2022 data, added 2023 data |
| PHDBSAS.BSAS | Added new fields to pdm\_prv\_serv\_type in Analytic and Subset DD. Reformatted and re-alphabetized Analytic DD. |
| phdhoc.hoc | removed adtype\_month\_hoc, adtype\_year\_hoc, adtype\_date\_hoc |
| PHDCENS.DONAHUE\_POP\_SINGLEYEARS\_2020 | Added Umass Donahue Single Year Population Estimates by Town, Race/ethnicity, sex and age group |
| PHDCENS.DONAHUE\_POP\_5YEARGROUP\_2020 | Added Umass Donahue 5 Year Population Estimates by Town, Race/ethnicity, sex and age group |

## Update Summary Version 12

| PHD Dataset | Changes |
| --- | --- |
| PHDWIC.WIC\_MOM | ETHNICITY\_WIC\_MOM added 99=missing |
| PHDDeath.Death | Expanded defnition on pregnacy associated and pregnancy related flags |
| PHDSPINE.DEMO | 1. Updated: APCD\_MED, APCD\_ANYCLAIM, DISABILITY\_DD, DISABILITY\_HEAR, DISABILITY\_ID, DISABILITY\_MENTAL, DISABILITY\_MOBILITY, DISABILITY\_VISION, DISABILITY\_CANCER, DISABILITY\_CHRONIC, DISABILITY\_UNCAT, DISABILITY\_COMBO, YOB, HOMELESS, HOMELESS\_HISTORY, LANGUAGE, OTHER\_LANG1-OTHER\_LANG3 WRITTEN\_LANG 2. Added the value of 3 from MHEE\_DisabilityCode (i.e. CommonHealth) to DISABILITY\_UNCAT; MassHealth CommonHealth offers health care benefits similar to MassHealth Standard to disabled adults and disabled children who cannot get MassHealth Standard |
| PHDSPINE.MOUD | Being rerun with HCPCS J0592 included; 2022 data is being added |
| DVS | 2021-2023 are being added |
| WIC\_MOM and WIC\_KID | 2023 data is being added |
| HIV\_INC HIV\_PREV | 2022 data is being added |
| Essex HOC | 2011-2020 being refreshed, 2021-2023 being added |
| Middlesex HOC | 2023 being added |
| Norfolk | 2022-2023 being added |
| PHDDeath.Death | Expanded defnition on pregnacy associated and pregnancy related flags |
| PHDWIC.WIC\_MOM | ETHNICITY\_WIC\_MOM added 99=missing |
| PHDSPINE.OVERDOSE | Added new ICD search criteria & 2022 data |
| PHDSPINE.DEMO | 1. Updated: APCD\_MED, APCD\_ANYCLAIM, DISABILITY\_DD, DISABILITY\_HEAR, DISABILITY\_ID, DISABILITY\_MENTAL, DISABILITY\_MOBILITY, DISABILITY\_VISION, DISABILITY\_CANCER, DISABILITY\_CHRONIC, DISABILITY\_UNCAT, DISABILITY\_COMBO, YOB, HOMELESS, HOMELESS\_HISTORY, LANGUAGE, OTHER\_LANG1-OTHER\_LANG3 WRITTEN\_LANG 2. Added the value of 3 from MHEE\_DisabilityCode (i.e. CommonHealth) to DISABILITY\_UNCAT; MassHealth CommonHealth offers health care benefits similar to MassHealth Standard to disabled adults and disabled children who cannot get MassHealth Standard |
| PHDSPINE.MOUD | 1) Current through 2022 now 2) Added J0592 |
| PHDWIC. WIC\_KID | revised proxy data variable language to reflect closest dates are larger |
| PHDDOC.DOC | Updated description of ADMIT\_RECENT\_DATE\_DOC, ADMIT\_INITIAL\_DATE\_DOC, RELEASE\_DATE\_DOC |
| PHDZIP.OEND | NEW dataset: The Overdose Education and Naloxone Distribution Program (OEND) dataset has been revised; it will now be 1 dataset that includes narcan encounter level data. |
| PHDSPINE.DEMO | Added in YOB - the estimated year of birth for each ID, to be used to calculate age |
| PHDPHDSPINE.OVERDOSE | New 2021 ICD codes were added to the existing search criteria: /\*new in 2021\*/ "T40411A", "T40411D", "T40412A", "T40412D", "T40413A", "T40413D", "T40414A",  "T40414D", "T40421A", "T40421D", "T40422A", "T40422D", "T40491A", "T40491D", "T40492A", "T40492D", "T40493A", "T40493D", "T40494A", "T40494D",  "T40423A", "T40423D", "T40424A", "T40424D" and removed "9701" |

## ` Update Summary Version 11

| PHD Dataset | Changes | Notes |
| --- | --- | --- |
| PHDBSAS.BSAS | removed BSAS\_CLIENT\_ID and CLIENT\_ID. PDM\_PRV\_ID is n longer proxied.  RACE\_BSAS variable added back into the DD. |  |
| PHDBSAS.HOCMOUD, PHDBSAS.HOCMoud\_DIS, PHDBSAS.HOCSURV | updated mat\_enrol\_a\_7 and surveil\_a\_7a with values for Bristol HOC  updated county variables to include Bristol and Berkshire  added notes about missing values to data dictionary  For HOC MOUD- removed mat\_enrol\_27e13 from data dictionary  For HOC SURV- added value of 77 to surveil\_14 to indicate errant value & removed surveil\_a\_4\_99 as it no longer exists, adde variables surveil\_20a17, surveil\_20a18, surveil\_20a19, surveil\_20a20, added values to values 12,13,14,15 to surveil\_4b |  |
| PHDFETAL.FETALDEATH | Added expanded description of FETAL\_DEATH\_LINK\_ID |  |
| PHDSPINE.DEMO | Updated the following spine variables: Disability\_DD, Disability\_ID, Disability\_Mobility, Disability\_Cancer, Disability\_Uncat, Disability\_Combo, Final\_RE, Final\_sex, Raceeth\_many, Raceeth\_never, Sex\_many, Sex\_ever, foreign born, education, NON\_MA, language, HOMELESS, HOMELESS\_HISTORY, OTHER\_LANG1-OTHER\_LANG3, WRITTEN\_LANG1, WRITTEN\_LANG2  OTHER\_LANG1-OTHER\_LANG3 WRITTEN\_LANG1-WRITTEN\_LANG2 category 52 (other) merged with 0 (missing/unknown), and duplicates removed |  |
| PHDBIRTH.BIRTH\_MOM | Added additional values for PRENATAL\_PAY and PRENATAL\_CARE\_COUNT |  |
| phdhoc.hoc | added notes about missing values to age\_hoc and adj\_status\_hoc |  |

## 

# Birth Records Infant/Child: Registry of Vital Records and Statistics (PHDBIRTH.BIRTH\_INFANT)

| **Variable Name** | **Variable Description** | **Meta Data** | **Format** |
| --- | --- | --- | --- |
| ID | PHD ID | 9 character alphanumeric ID | Char |
| Match\_level\_Birth | CHIA Match level | 1= These are members within the APCD that received a high score against the DPH input record. Candidates in this group are those that perfectly matched all elements of the DPH input record and those that generally had only one element mismatch. The threshold applied to group 1 candidates has been optimized based upon the input elements and their overall weight in determining a unique individual match.  2=This group contains members within the APCD that received a lower score against the DPH input record yet are considered possible matches. Candidates in this group could match on as little as SSN or date of birth and first name. These candidates are included for completeness. | Num |
| BIRTH\_LINK\_ID | Project specific ID that links a mother and infant | ID linking mother and infant for each delivery | Num |
| ANOMALY\_ADACTYLY | Congenital anomalies - Adactyly | 0=No 1=Yes 9=Unknown | Num |
| ANOMALY\_ANENCEPHALY | Congenital anomalies - Anencephaly | 0=No 1=Yes 9=Unknown | Num |
| ANOMALY\_CHD\_CYANOTIC | Congenital anomalies - Cyanotic congenital heart disease | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| ANOMALY\_CHROM\_DISORDER | Congenital anomalies - Suspected chromosomal disorder | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| ANOMALY\_CHROM\_DISORDER\_CONFIRMED | Congenital anomalies - suspected chromosomal disorder: Karyotype confirmed (chromosomal disorder) | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| ANOMALY\_CHROM\_DISORDER\_PENDING | Congenital anomalies - suspected chromosomal disorder: Karyotype pending (chromosomal disorder) | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| ANOMALY\_CLEFT | Congenital anomalies - Cleft lip with or without cleft palate | 0=No 1=Yes 9=Unknown | Num |
| ANOMALY\_CLEFT\_P | Congenital anomalies - Cleft palate alone | 0=No 1=Yes 9=Unknown | Num |
| ANOMALY\_CLUB\_FT | Congenital anomalies - Club foot | 0=No 1=Yes 9=Unknown | Num |
| ANOMALY\_DIAPHRAGMATIC\_HERNIA | Congenital anomalies - Congenital diaphragmatic hernia | 0=No 1=Yes 9=Unknown | Num |
| ANOMALY\_DOWN | Congenital anomalies - Down syndrome | 0=No 1=Yes 9=Unknown | Num |
| ANOMALY\_DOWN\_CONFIRMED | Congenital anomalies - Down syndrome: Karyotype confirmed | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| ANOMALY\_DOWN\_PENDING | Congenital anomalies - Down syndrome: Karyotype pending | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| ANOMALY\_GASTRO | Congenital anomalies - Gastroschisis | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| ANOMALY\_HYDROCEPH | Congenital anomalies - Hydrocephaly | 0=No 1=Yes 9=Unknown | Num |
| ANOMALY\_HYPO | Congenital anomalies - Hypospadias | 0=No 1=Yes 9=Unknown | Num |
| ANOMALY\_LIMB\_REDUCTION | Congenital anomalies - Limb reduction defect (excluding dwarfing syndrome) | 0=No 1=Yes 9=Unknown | Num |
| ANOMALY\_MENI\_SB | Congenital anomalies - Meningomyelocele/Spina bifida | 0=No 1=Yes 9=Unknown | Num |
| ANOMALY\_MICROCEPH | Microcephaly  Added on 08/01/2017 | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| ANOMALY\_NONE | Congenital anomalies - None of the above | 0=No 1=Yes 9=Unknown | Num |
| ANOMALY\_OMPH | Congenital anomalies - Omphalocele | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| ANOMALY\_OTHER\_HEART | Congenital anomalies - Other heart malformations | 0=No 1=Yes 9=Unknown | Num |
| ANOMALY\_OTHER\_MUSC | Congenital anomalies - Other musculoskeletal anomalies | 0=No 1=Yes 9=Unknown | Num |
| ANOMALY\_POLYDAC | Congenital anomalies - Polydactyly | 0=No 1=Yes 9=Unknown | Num |
| ANOMALY\_RECTAL\_ATRESIA | Congenital anomalies - Rectal atresia/stenosis | 0=No 1=Yes 9=Unknown | Num |
| ANOMALY\_RENAL\_AGENESIS | Congenital anomalies Renal agenesis | 0=No 1=Yes 9=Unknown | Num |
| ANOMALY\_SYNDACTYLY | Congenital anomalies - Syndactyly | 0=No 1=Yes 9=Unknown | Num |
| ANOMALY\_TEF\_EA | Congenital anomalies - Tracheoesophageal fistula/esophageal atresia | 0=No 1=Yes 9=Unknown | Num |
| APGAR1 | Apgar at 1 minute | 1-10 99=unknown | Num |
| APGAR10 | Apgar at 10 minutes | 1-10 99=unknown | Num |
| APGAR5 | Apgar at 5 minutes | 1-10 99=unknown | Num |
| BIRTH\_LENGTH | Birth length (inches) | XX.XX 99.99=Unknown Blank=N/A (MF Record) | Num |
| BIRTH\_ORDER | Birth order of this infant | 0= Singleton 1= First  2= Second  3= Third  4= Fourth 9= Unknown | Num |
| BIRTH\_WEIGHT | Infant birthweight in grams | Grams 9999=Unknown | Num |
| CERT\_TITLE\_BIRTH | Certifier Title | 1=MD 2=DO 3=CNM 4=OTHER MIDWIFE 5=OTHER 6=HOSPITAL ADMIN  8=NONE  9=Missing | Num |
| DISCH\_DATE\_BIRTH | Infant Discharge date | **Date Proxy – count of days between discharge date and randomly chosen date in the past**   NOTE: The larger the date proxy, the more recently the event occurred | Num |
| DISCH\_YEAR\_BIRTH | Year of Discharge | Years (2011-2019) | Num |
| DISCH\_MONTH\_BIRTH | Month of Discharge | Month (1-12) | Num |
| DISCH\_WITH\_MOM | Is child being discharged home with mother? | 0=No 1=Yes 9=Unknown | Num |
| DOB | Infant Date of birth | **Date Proxy – count of days between birth date and randomly chosen date in the past**   NOTE: The larger the date proxy, the more recently the event occurred | Num |
| MONTH\_BIRTH | Month of birth (1-12) | Months 1-12 | Num |
| YEAR\_BIRTH | Year of birth | Years, YYYY format (starts 2011) | Num |
| FACILITY\_ID\_BIRTH | [Facility I.D.](#_FACILITY_ID_BIRTH) | 4 digit number 0000-9999  2000s = Massachusetts hospitals  3000s = birthing centers  0000 = home births  0050 = doctor's office/clinic  0070 = enroute  0090 = other facility  9999 = unknown | Char |
| FACILITY\_TYPE\_BIRTH | Type of birthing facility | 1=MA hospital 2=Birthing center 3=Home birth 4=Doctor's office/clinic 5=En route 6=Other facility 9=Unknown  10=Out of state hospital | Num |
| FATHER\_ETH\_AFRICAN | Father's Ethnicity - African | 0=No 1=Yes 9=Unknown | Num |
| FATHER\_ETH\_AFRICAN\_AMER | Father's Ethnicity - African American | 0=No 1=Yes 9=Unknown | Num |
| FATHER\_ETH\_AMER | Father's Ethnicity - American | 0=No 1=Yes 9=Unknown | Num |
| FATHER\_ETH\_AMER\_NATIVE | Father's Ethnicity - Native American/American Indian/Alaskan Native | 0=No 1=Yes 9=Unknown | Num |
| FATHER\_ETH\_ASIAN\_INDIAN | Father's Ethnicity - Asian Indian | 0=No 1=Yes 9=Unknown | Num |
| FATHER\_ETH\_BRAZILIAN | Father's Ethnicity - Brazilian | 0=No 1=Yes 9=Unknown | Num |
| FATHER\_ETH\_CAMBODIAN | Father's Ethnicity - Cambodian | 0=No 1=Yes 9=Unknown | Num |
| FATHER\_ETH\_CAPE\_VERDEAN | Father's Ethnicity - Cape Verdean | 0=No 1=Yes 9=Unknown | Num |
| FATHER\_ETH\_CARIBBEAN | Father's Ethnicity - Caribbean Islander | 0=No 1=Yes 9=Unknown | Num |
| FATHER\_ETH\_CEN\_AMER | Father's Ethnicity - Other Central American | 0=No 1=Yes 9=Unknown | Num |
| FATHER\_ETH\_CHINESE | Father's Ethnicity - Chinese | 0=No 1=Yes 9=Unknown | Num |
| FATHER\_ETH\_COLOMBIAN | Father's Ethnicity - Colombian | 0=No 1=Yes 9=Unknown | Num |
| FATHER\_ETH\_CUBAN | Father's Ethnicity - Cuban | 0=No 1=Yes 9=Unknown | Num |
| FATHER\_ETH\_DOMINICAN | Father's Ethnicity - Dominican | 0=No 1=Yes 9=Unknown | Num |
| FATHER\_ETH\_EUROPEAN | Father's Ethnicity - European | 0=No 1=Yes 9=Unknown | Num |
| FATHER\_ETH\_FILIPINO | Father's Ethnicity - Filipino | 0=No 1=Yes 9=Unknown | Num |
| FATHER\_ETH\_GUATEMALAN | Father's Ethnicity - Guatemalan | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| FATHER\_ETH\_HAITIAN | Father's Ethnicity - Haitian | 0=No 1=Yes 9=Unknown | Num |
| FATHER\_ETH\_HISP\_OTH | Father's Ethnicity - Hispanic/Latino/Other | 0=No 1=Yes 9=Unknown | Num |
| FATHER\_ETH\_HONDURAN | Father's Ethnicity - Honduran | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| FATHER\_ETH\_JAPANESE | Father's Ethnicity - Japanese | 0=No 1=Yes 9=Unknown | Num |
| FATHER\_ETH\_KOREAN | Father's Ethnicity - Korean | 0=No 1=Yes 9=Unknown | Num |
| FATHER\_ETH\_LAOTIAN | Father's Ethnicity - Laotian | 0=No 1=Yes 9=Unknown | Num |
| FATHER\_ETH\_MEX | Father's Ethnicity - Mexican, Mexican American, Chicano | 0=No 1=Yes 9=Unknown | Num |
| FATHER\_ETH\_MID\_EASTERN | Father's Ethnicity - Middle Eastern | 0=No 1=Yes 9=Unknown | Num |
| FATHER\_ETH\_OTHER | Father's Ethnicity - Other | 0=No 1=Yes 9=Unknown | Num |
| FATHER\_ETH\_PAC\_ISL\_OT | Father's Ethnicity - Other Pacific Islander | 0=No 1=Yes 9=Unknown | Num |
| FATHER\_ETH\_PORTUGUESE | Father's Ethnicity - Portuguese | 0=No 1=Yes 9=Unknown | Num |
| FATHER\_ETH\_PORTUGUESE\_OTH | Father's Ethnicity - Other Portuguese | 0=No 1=Yes 9=Unknown | Num |
| FATHER\_ETH\_PR | Father's Ethnicity - Puerto Rican | 0=No 1=Yes 9=Unknown | Num |
| FATHER\_ETH\_REFUSED | Father's Ethnicity - Refused | 0=No 1=Yes 9=Unknown | Num |
| FATHER\_ETH\_RUSSIAN | Father's Ethnicity - Russian | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| FATHER\_ETH\_S\_AMER\_OTH | Father's Ethnicity - Other South American | 0=No 1=Yes 9=Unknown | Num |
| FATHER\_ETH\_SAL | Father's Ethnicity - Salvadoran | 0=No 1=Yes 9=Unknown | Num |
| FATHER\_ETH\_UNK | Father's Ethnicity - Unknown | 0=No 1=Yes 9=Unknown | Num |
| FATHER\_ETH\_VIET | Father's Ethnicity - Vietnamese | 0=No 1=Yes 9=Unknown | Num |
| FATHER\_RACE\_AMER\_NATIVE | Father's Race - American Indian/Alaska Native/Native American | 0=No 1=Yes 9=Unknown | Num |
| FATHER\_RACE\_ASIAN | Father's Race - Asian | 0=No 1=Yes 9=Unknown | Num |
| FATHER\_RACE\_ASIAN\_OTH | Father's Race - Other Asian | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| FATHER\_RACE\_BIRTH | Single race/Hispanic ethnicity for father | 1 = White non-Hispanic 2 = Black non-Hispanic 3 = Asian/PI non-Hispanic 4 = Hispanic 5 = American Indian or Other  9 = unknown | Num |
| FATHER\_RACE\_BLACK | Father's Race - Black or African American | 0=No 1=Yes 9=Unknown | Num |
| FATHER\_RACE\_BLACK\_HISP | Father's Race - Hispanic/Latino/Black | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| FATHER\_RACE\_GUAM\_CHAM | Father's Race - Guamanian or Chamorro | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| FATHER\_RACE\_HAWAIIAN | Father's Race - Native Hawaiian | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| FATHER\_RACE\_OTH | Father's Race - Other | 0=No 1=Yes 9=Unknown | Num |
| FATHER\_RACE\_PI\_OTH | Father's Race - Other Pacific Islander | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| FATHER\_RACE\_REFUSED | Father's Race - Refused | 0=No 1=Yes 9=Unknown | Num |
| FATHER\_RACE\_SAMOAN | Father's Race - Samoan | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| FATHER\_RACE\_UNK | Father's Race - Unknown | 0=No 1=Yes 9=Unknown | Num |
| FATHER\_RACE\_WHITE | Father's Race - White | 0=No 1=Yes 9=Unknown | Num |
| FATHER\_RACE\_WHITE\_HISP | Father's Race - Hispanic/Latino/White | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| FETAL\_PRESENTATION | Fetal presentation at delivery | 1=Cephalic  2=Breech  3=Other  9=Unknown | Num |
| GESTATIONAL\_AGE | Obstetric estimate of gestation at delivery (completed weeks) | Age in weeks 99=unknown | Num |
| HEAD\_CIRC | Head circumference (centimeters) | 99.9=Unknown Blank=N/A (MF Record) | Num |
| HEARING\_NOT\_SCREENED | Hearing not screened because | 1=DECEASED 2=MISSED 3=PARENTS REFUSED 4=TRANSFERRED 5=OTHER (SPECIFY) Blank=N/A (MF Record) | Num |
| HEARING\_RESULTS | Hearing screening results | 1=BOTH EARS DID NOT PASS 2=LEFT EAR DID NOT PASS 3=PASSED BOTH EARS 4=RIGHT EAR DID NOT PASS 5=SCREENED, RESULTS INCONCLUSIVE 6=NOT SCREENED  9=UNKNOWN | Num |
| HEAR\_FOLLOW\_UP\_BC | Additional Hearing Screening info was added on 11/20/2019: In some cases, a baby who passes both ears still needs a follow-up due to a given risk condition.  **If passed, was a follow-up made?**  This field only applies if Hearing screening results is PASSED BOTH EARS. | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| HEAR\_RISK\_BC | Risk condition  New variable added on 11/20/2019 | 1 = Atresia or Microtia  2 = Bacterial meningitis  3 = Charge association  4 = Cleft lip  5 = Cleft palate  6 = Cytomegalovirus  7 = ECMO  8 = Family history of permanent hearing loss in childhood  9 = HIE  10 = Hyperbilirubinemia (>20 md/dl)  11 = Other conditions  12 = Other craniofacial anomaly  13 = Other syndrome associated with hearing loss  14 = Perinatal asphyxia  15 = Pierre Robin Syndrome  16 = Treacher Collins Syndrome  17 = Trisomy 21 (Down Syndrome)  18 = Zika | Num |
| ICOND\_ACID | Abnormal conditions of the newborn - Acidosis | 0=No 1=Yes 9=Unknown | Num |
| ICOND\_ANEMIA | Abnormal conditions of the newborn -Anemia | 0=No 1=Yes 9=Unknown | Num |
| ICOND\_ANTIBIO | Abnormal conditions of the newborn -Antibiotics received by newborn for suspected neonatal sepsis | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| ICOND\_CYAN | Abnormal conditions of the newborn - Cyanosis | 0=No 1=Yes 9=Unknown | Num |
| ICOND\_FAS | Abnormal conditions of the newborn - Fetal alcohol syndrome | 0=No 1=Yes 9=Unknown | Num |
| ICOND\_HYPOT | Abnormal conditions of the newborn - Hypotonia | 0=No 1=Yes 9=Unknown | Num |
| ICOND\_HYPOX | Abnormal conditions of the newborn - Hypoxia | 0=No 1=Yes 9=Unknown | Num |
| ICOND\_INFECT | Abnormal conditions of the newborn - Congenital infection | 0=No 1=Yes 9=Unknown | Num |
| ICOND\_INTRA\_HEM | Abnormal conditions of the newborn - Intracranial hemorrhage | 0=No 1=Yes 9=Unknown | Num |
| ICOND\_INTUB | Abnormal conditions of the newborn - Intubation | 0=No 1=Yes 9=Unknown | Num |
| ICOND\_JAUND | Infant condition - Jaundice (bilirubin>10) | 0=No 1=Yes 9=Unknown | Num |
| ICOND\_MAS | Abnormal conditions of the newborn - Meconium aspiration syndrome | 0=No 1=Yes 9=Unknown | Num |
| ICOND\_NONE | Abnormal conditions of the newborn - None of the above | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| ICOND\_OTHER | Abnormal conditions of the newborn - Other | 0=No 1=Yes 9=Unknown | Num |
| ICOND\_RDS | Abnormal conditions of the newborn - Hyaline membrane disease/RDS | 0=No 1=Yes 9=Unknown | Num |
| ICOND\_SEIZ | Abnormal conditions of the newborn - Seizure or serious neurologic dysfunction | 0=No 1=Yes 9=Unknown | Num |
| ICOND\_TACH | Abnormal conditions of the newborn - Tachypnea | 0=No 1=Yes 9=Unknown | Num |
| ICOND\_TOX | Abnormal conditions of the newborn - Positive toxicology screen | 0=No 1=Yes 9=Unknown | Num |
| INC\_CODE\_BIRTH | City/town that birth occurred | 1-351  888= Out of state 999=Unknown | Num |
| INF\_BREAST\_FED | Was infant breastfed during hospital stay? | 0=No 1=Yes 9=Unknown | Num |
| INF\_VAC\_HBIG | HBIG vaccine given | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| INF\_VAC\_HEPB | HEPB vaccine given | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| INF\_VAC\_NONE | No vaccines given | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| INTERNAL\_TRANSFER\_BIRTH | Was infant transferred internally? | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| INTERNAL\_TRANSFER\_TO\_BIRTH | Transferred internally to? | 1=NICU 2=SCN 3=SCU 8=N/A (not transferred) Blank=N/A (MF Record) | Num |
| NAS\_BC | NAS indicated on birth certificate? This flag is based on searches on 3 birth certificates fields:  Other infant condition, Other congenital anomaly, Other complication) for:  Text search for: NEONATAL ABSTINENCE SYNDROME or NAS  And codes for: 779.5, 760.62, 760.73, 760.72, P96.1, P04.49 | 0=No 1=Yes | Num |
| NAS\_BC\_NEW | Neonatal abstinence syndrome-new flag added to birth certificates on 11/20/2019  VIP birth manual (description): Neonatal abstinence syndrome (NAS) is defined as a group of conditions caused when a baby withdraws from certain drugs he’s exposed to in the womb before birth. NAS should be checked off as an abnormal condition of the newborn if the infant is diagnosed with NAS based on the results of the hospital’s standard screening policy for maternal drugs of abuse and newborn NAS screening. | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| NEONAT\_AVEN1 | Neonatal procedures - Assisted ventilation required immediately following delivery | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| NEONAT\_AVEN6 | Neonatal procedures - Assisted ventilation required for more than six hours | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| NEONAT\_PROC\_NONE | Neonatal procedures - None of the above | 0=No 1=Yes 9=Unknown | Num |
| NEONAT\_PROC\_OTHER | Neonatal procedures - Other | 0=No 1=Yes 9=Unknown | Num |
| NEONAT\_PROC\_PHOTO | Neonatal procedures -Phototherapy | 0=No 1=Yes 9=Unknown | Num |
| NEONAT\_PROC\_SURF | Neonatal procedures -Newborn given surfactant replacement therapy | 0=No 1=Yes 9=Unknown | Num |
| PLURALITY | Plurality | Count  99=Unknown | Num |
| Res\_Code\_Birth | City/town | 1-351 = valid MA city/town 999 = missing/unknown/invalid | Num |
| RES\_ZIP\_BIRTH | Zip code | 5 digit zip code  99999=Unknown | Char |
| SEX\_BIRTH | Infant Sex | 1=M 2=F 9=Unknown | Num |

| **Hospital list as of 4/29/2022** | | | |
| --- | --- | --- | --- |
| FACILITY\_ID\_BIRTH | **Name of MA Hospital** | **Address** | **City** |
| 2001 | Somerville Hospital | 230 Highland Avenue | Somerville |
| 2003 | Carney Hospital | 2100 Dorchester Avenue | Boston |
| 2004 | Mary A. Alley Hospital | Widger Road | Marblehead |
| 2006 | Anna Jaques Hospital | Highland Avenue | Newburyport |
| 2007 | Beverly Hospital | Herrick And Heather St. | Beverly |
| 2008 | Union Hospital | 500 Lynnfield | Lynn |
| 2010 | St. Luke's Hospital | 101 Page Street | New Bedford |
| 2011 | St. Anne's Hospital | 795 Middle Street | Fall River |
| 2013 | Winthrop Community Hospital | 40 Lincoln Street | Winthrop |
| 2014 | North Shore Medical Center - Salem Hospital | 81 Highland Avenue | Salem |
| 2016 | Addison Gilbert Hospital | 298 Washington Street | Gloucester |
| 2018 | Emerson Hospital | Old Road | Concord |
| 2020 | Metrowest Med. Ctr.-Framingham Union Campus | 25 Evergreen Street | Framingham |
| 2022 | Morton Hospital | 88 Washington Street | Taunton |
| 2029 | Saints Memorial Medical Ctr. | Hospital Drive | Lowell |
| 2031 | Brookline Hospital | 165 Chestnut Street | Brookline |
| 2034 | Burbank Hospital | Nichols Road | Fitchburg |
| 2036 | Heywood Hospital | 242 Green Street | Gardner |
| 2038 | Lawrence Mem Hosp Of Medford | 170 Governors Avenue | Medford |
| 2039 | Metrowest Med. Ctr.- Leonard Morse Campus | 67 Union Street | Natick |
| 2040 | Lowell General Hospital | 295 Varnum Avenue | Lowell |
| 2041 | Malden Hospital | Hospital Road | Malden |
| 2042 | Martha's Vineyard Hospital | Linton Lane | Oak Bluffs |
| 2043 | Mass. Osteopathic Hospital | 222 S. Huntington Avenue | Boston |
| 2044 | Nantucket Cottage Hospital | South Prospect Street | Nantucket |
| 2046 | Whidden Memorial Hospital | 103 Garland Street | Everett |
| 2048 | Faulkner Hospital | 1153 Centre Street | Boston |
| 2052 | Fairview Hospital | 29 Lewis Avenue | Gt. Barrington |
| 2053 | Farren Memorial Hospital | Main Street | Montague |
| 2054 | Glover Memorial Hospital | 148 Chestnut Street | Needham |
| 2057 | Harvard Comm Health Plan Hosp | Parker Hill Medical Ctr | Boston |
| 2058 | Melrose-Wakefield Hospital | 585 Lebanon Street | Melrose |
| 2059 | New England Baptist Hospital | 91 Parker Hill Avenue | Boston |
| 2060 | Boston Regional Medical Center | 5 Woodland Road | Stoneham |
| 2061 | North Adams Regional Hospital | Hospital Avenue | North Adams |
| 2063 | Saints Memorial Med. Ctr. | 220 Pawtucket Street | Lowell |
| 2065 | St. Elizabeth's Medical Center | 90 Cushing Avenue | Boston |
| 2067 | Deaconess/Waltham Hospital | Hope Avenue | Waltham |
| 2069 | Beth Israel Deaconess Medical Ctr | 330 Brookline Avenue | Boston |
| 2071 | Mount Auburn Hospital | 330 Mount Auburn Street | Cambridge |
| 2073 | Atlanticare Medical Center | 212 Boston Street | Lynn |
| 2075 | Newton Wellesley Hospital | 2014 Washington Street | Newton |
| 2076 | Noble Hospital Inc. | 115 West Silver Street | Westfield |
| 2077 | UMASS Memorial Health Care | 281 Lincoln Street | Worcester |
| 2078 | Amesbury Hospital | Morrill Place | Amesbury |
| 2082 | Beth Israel Deaconess Hospital-Plymouth | Sandwich Road | Plymouth |
| 2084 | UMASS Memorial Health Care | 750 Harrison Avenue | Boston |
| 2085 | St. Elizabeth's Hospital | 736 Cambridge Street | Boston |
| 2089 | Choate/Symmes Hospital | 21 Warren Avenue | Woburn |
| 2091 | Hahnemann Hospital | 1515 Commonwealth Avenue | Boston |
| 2092 | New England Deaconess Hospital | 185 Pilgrim Road | Boston |
| 2093 | Hunt Memorial Hospital | Lindall Street | Danvers |
| 2094 | Winchester Hospital | 41 Highland Avenue | Winchester |
| 2098 | Fairlawn Hospital | 169 May Street | Worcester |
| 2099 | Lawrence General Hospital | One General Street | Lawrence |
| 2100 | Sturdy Memorial Hospital | 211 Park Street | Attleboro |
| 2101 | Caritas Good Samaritan Medical Center | 909 Sumner Street | Stoughton |
| 2102 | Youville Hospital | 1575 Cambridge Street | Cambridge |
| 2103 | Marlborough Hospital | 57 Union Street | Marlborough |
| 2105 | Milford Regional Medical Center | Main And Prospect Streets | Milford |
| 2106 | Tobey Hospital | 43 High Street | Wareham |
| 2107 | South Shore Hospital | 55 Fogg Road | Weymouth |
| 2108 | Cambridge Hospital | 1493 Cambridge Street | Cambridge |
| 2110 | Holden District Hospital | Boyden Avenue | Holden |
| 2113 | North Shore Childrens Hospital | 57 Highland Avenue | Salem |
| 2114 | Caritas Norwood Hospital | 800 Washington Street | Norwood |
| 2118 | Brockton Hospital | 680 Centre Street | Brockton |
| 2119 | Central Hospital | 26-28 Central Street | Somerville |
| 2120 | Franklin Medical Center | 164 High Street | Greenfield |
| 2124 | Umass Memorial Medical Center | 119 Belmont Street | Worcester |
| 2125 | Worcester City Hospital | 26 Queen Street | Worcester |
| 2126 | Clinton Hospital | 201 Highland Street | Clinton |
| 2127 | Healthalliance-Leominster Campus | Hospital Road | Leominster |
| 2128 | St. Vincent Hospital | 25 Winthrop Street | Worcester |
| 2131 | Hale/Haverhill Municipal Hospital | 140 Lincoln Avenue | Haverhill |
| 2132 | Jewish Memorial Hospital | 59 Townsend Street | Boston |
| 2135 | Cape Cod Hospital | 27 Park Street | Barnstable |
| 2139 | Children's Hosp Medical Center | 300 Longwood Avenue | Boston |
| 2143 | Harrington Memorial Hospital | 100 South Street | Southbridge |
| 2145 | Holyoke Hospital | 575 Beech Street | Holyoke |
| 2148 | Mary Lane Hospital | 85 South Street | Ware |
| 2149 | Mercy Medical Center | 233 Carew Street | Springfield |
| 2150 | Providence Hospital | 1233 Main Street | Holyoke |
| 2151 | Quincy Hospital | 114 Whitwell Street | Quincy |
| 2152 | Shriner's Hospital | 516 Carew Street | Springfield |
| 2155 | Cooley Dickinson Hospital | 30 Locust Street | Northampton |
| 2157 | Hubbard Regional Hospital | Thompson Road | Webster |
| 2160 | Ludlow Hospital Society | 14 Chestnut Place | Ludlow |
| 2167 | Mass. Eye And Ear Infirmary | 243 Charles Street | Boston |
| 2168 | Massachusetts General Hospital | 32 Fruit Street | Boston |
| 2171 | J.B. Thomas Hospital | 15 King Street | Peabody |
| 2181 | Wing Memorial Hospital | Wright Street | Palmer |
| 2202 | Doctors Hospital Of Worcester | 107 Lincoln Street | Worcester |
| 2213 | Sancta Maria Hospital | 799 Concord Avenue | Cambridge |
| 2221 | J.P. Kennedy Jr. Memorial Hosp | 50 Warren Street | Boston |
| 2223 | Springfield Municipal Hospital | 1400 State Street | Springfield |
| 2225 | Steward Holy Family Hospital | 70 East Street | Methuen |
| 2226 | Athol Memorial Hospital | 2033 Main Street | Athol |
| 2227 | Milton Hospital | 92 Highland Street | Milton |
| 2231 | Hillcrest Hospital | 165 Tor Court, Po Box 115 | Pittsfield |
| 2235 | Grover Manor Hospitl | 405 Washington Street | Revere |
| 2242 | Barnstable County Hospital | County Road | Bourne |
| 2250 | New England Sinai Hospital | P.O. Box 647, York St9 | Stoughton |
| 2260 | Parkwood Hospital | 4499 Acushnet Avenue | New Bedford |
| 2269 | St. John Of God Hospital | 296 Allston Street | Boston |
| 2271 | Otis Hospital | 85 Otis Street | Cambridge |
| 2272 | Bethany Hospital | Bethany Road | Framingham |
| 2276 | Naukeag Hospital | Lake Road | Ashburnham |
| 2278 | Plymouth County Hospital | High Street | Hanson |
| 2280 | Hampshire County Chronic Hosp | Off River Road - Leeds | Northampton |
| 2281 | Worcester County Hospital | Dr. Paul Ware Drive | Boylston |
| 2282 | Norfolk County Hospital | 2001 Washington Street | Braintree |
| 2284 | Middlesex County Hospital | 775 Trapelo Road | Waltham |
| 2289 | Falmouth Hospital | Ter Heun Drive | Falmouth |
| 2290 | Hebrew Rehab Center For Aged | 1200 Center Street | Boston |
| 2292 | Whittier Rehabilitation Hosp | 76 Sumner Street | Haverhill |
| 2293 | St. Camillus Hospital | 307 Hill Street | Northbridge |
| 2298 | Nashoba Community Hospital | 200 Groton Road | Ayer |
| 2299 | Tufts Medical Center | 171 Harrison Avenue | Boston |
| 2303 | Mount Pleasant Hospital | 60 Granite Street | Lynn |
| 2304 | Cushing Hospital | Dudley Road P.O. Box 150 | Framingham |
| 2307 | Boston Medical Center | 818 Harrison Avenue | Boston |
| 2310 | Notre Dame Chronic Dis. Hosp. | 355 Plantation Street | Worcester |
| 2311 | Good Samaritan Medical Center | 235 North Pearl Street | Brockton |
| 2312 | Frances P. Memorial Hospital | 1074 Pleasant Street | New Bedford |
| 2313 | Berkshire Medical Center | 725 North Street | Pittsfield |
| 2316 | Shriner's Burn Institute | 50 Blossom Street | Boston |
| 2321 | Spaulding Rehabilitation Hosp | 125 Nashua Street | Boston |
| 2323 | Fuller Memorial Hospital | 231 Washington Street | Attleboro |
| 2324 | Austen Riggs Center, Inc. | Main Street | Stockbridge |
| 2325 | Westwood Lodge Hospital | 45 Clapboardtree Street | Westwood |
| 2326 | Baldpate, Inc. | Baldpate Road | Georgetown |
| 2327 | Human Resource Inst. Of Boston | 227 Babcock Street | Brookline |
| 2328 | Eric Lindemann Mentl Hlth Cntr | Government Center | Boston |
| 2329 | New England Rehab Hospital | 1 Rehabilitaiton Way | Woburn |
| 2330 | Corrigan Mental Health Center | 49 Hillside Street | Fall River |
| 2333 | Braintree Hospital | 250 Pond Street | Braintree |
| 2335 | Dana Farber Cancer Center | 44 Binney Street | Boston |
| 2336 | Shaughnessy Rehab. Hospital | Dove Street | Salem |
| 2337 | Charlton Memorial Hospital | Highland Avenue | Fall River |
| 2339 | Baystate Medical Center | 759 Chestnut Street | Springfield |
| 2341 | Brigham and Women's Hospital | 75 Francis Street | Boston |
| 2342 | Lahey Clinic Hospital | 41 Mall Road | Burlington |
| 2347 | Southwood Community Hospital | 111 Dedham Street | Norfolk |
| 2803 | Danvers State Hospital | Po Box 50 | Danvers |
| 2807 | H.C. Solomon Mental Health Ctr | 391 Varnum Avenue | Lowell |
| 2808 | Mass. Mental Health Center | 74 Fenwood Road | Boston |
| 2809 | Medfield State Hospital | Hospital Road | Medfield |
| 2810 | Metropolitan State Hospital | 475 Trapelo Road | Waltham |
| 2812 | Northampton State Hospital | Prince And West Streets | Northampton |
| 2817 | Westborough State Hospital | Lyman Street | Westborough |
| 2818 | Worcester State Hospital | 305 Belmont Street | Worcester |
| 2820 | Lakeville Hospital | Main Street | Lakeville |
| 2821 | Lemuel Shattuck Hospital | 170 Morton Street | Boston |
| 2822 | Massachusetts Hospital School | Randolph Street | Canton |
| 2824 | Rutland Heights Hospital | Maple Avenue | Rutland |
| 2825 | Tewksbury Hospital | East Street | Tewksbury |
| 2826 | Western Massachusetts Hospital | 91 East Mountain Road | Westfield |
| 2827 | L.F. Quigley Mem. Hosp | Soldier's Home | Chelsea |
| 2828 | Soldier's Home In Holyoke | Cherry Street | Holyoke |
| 2835 | Charles River Hospital | 203 Grove Street | Wellesley |
| 2836 | The Arbour Hospital | 49 Robinswood Avenue | Boston |
| 2837 | Bournewood Hospital | 300 South Street | Brookline |
| 2840 | Bridgewater State Hospital | Administration Rd. Po Box | Bridgewater |
| 2841 | UMASS Memorial Health Care | 55 Lake Avenue North | Worcester |
| 2910 | Mattapan Hospital | 249 River Street | Boston |
| 2911 | Long Island Hospital | Boston Harbor | Boston |
| 2920 | Mclean Hospital | 115 Mill Street | Belmont |
| 2984 | Bedford Va Hospital | 200 Spring Road | Bedford |
| 2985 | Boston V.A. Hospital | 150 S. Huntington Avenue | Boston |
| 2986 | Brockton/W.Roxbury V.A. Hospital | Belmont Street | Brockton |
| 2987 | Northampton V.A. Hospital |  | Northampton |
| 2989 | Brighton Marine Pub Health Ctr | 77 Warren Street | Boston |
| 2991 | Cutler Army Hospital | Fort Devens | Ayer |
| 2992 | Pocasset Mental Health Center | Drawer Do | Bourne |
| 2993 | Brockton Area Facility | Taunton State Hospital | Taunton |
| 2994 | New Bedford Facility | Hodges Avenue | Taunton |
| 3001 | North Shore Birth Center | Hennick Street | Beverly |
| 3005 | Birthplace At Wellesley | 173 Worcester (Rt 9) | Wellesley |
| 3006 | Cambridge Birth Center |  |  |
| 2PW2 | Outpatient Center Of Marylane Hospital |  |  |
| 4S4R | Seven Sisters Medwifery And Birthing Ctr |  |  |
| 2I6I | LAHEY MEDICAL CTR, PEADODY, |  | Peabody |

# Birth Records MOM: Registry of Vital Records and Statistics (PHDBIRTH.BIRTH\_MOM)

| **Variable Name** | **Variable Description** | **Meta Data** | **Format** |
| --- | --- | --- | --- |
| ID | PHD ID | 9 character alphanumeric ID | Char |
| Match\_level\_Birth | CHIA Match level | 1= These are members within the APCD that received a high score against the DPH input record. Candidates in this group are those that perfectly matched all elements of the DPH input record and those that generally had only one element mismatch. The threshold applied to group 1 candidates has been optimized based upon the input elements and their overall weight in determining a unique individual match.  2=This group contains members within the APCD that received a lower score against the DPH input record yet are considered possible matches. Candidates in this group could match on as little as SSN or date of birth and first name. These candidates are included for completeness. | Num |
| BIRTH\_LINK\_ID | Project specific ID that links a mother and infant | ID linking mother and infant for each delivery | Num |
| AGE\_BIRTH | Maternal age in years | Age in years 9999=Unknown | Num |
| ALC\_BEFORE | Did mother drink three months before or during pregnancy? | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| ALC\_DURING | Any alcohol consumption during pregnancy? | 0=No 1=Yes 9=Unknown | Num |
| ALC\_NUM\_TRI1 | First three months of pregnancy - number of drinks | # of drinks  99=Unknown Blank=N/A (MF Record) | Num |
| ALC\_NUM\_TRI2 | Second three months of pregnancy - number of drinks | # of drinks  99=Unknown Blank=N/A (MF Record) | Num |
| ALC\_NUM\_TRI3 | Third trimester of pregnancy - number of drinks | # of drinks  99=Unknown Blank=N/A (MF Record) | Num |
| BMI\_BIRTH | Mother's pre-pregnancy BMI | XX.X 99.99 = Unknown  Blank=N/A (MF Record) | Num |
| CENSUS\_IND\_BIRTH | Bureau of census industry code (mother) | 4 digit bureau of census industry code | Num |
| CENSUS\_OCC\_BIRTH | Bureau of census occupation code (mother) | 4 digit bureau of census occupation code | Num |
| CIG\_DURING\_PREG | Any tobacco use during pregnancy? | 0=No  1=Yes  9=Unknown | Num |
| CIG\_NUM\_TRI1 | First three months of pregnancy - # of cigarettes | 0-98 99=Unknown Blank=N/A (MF Record) | Num |
| CIG\_NUM\_TRI2 | Second three months of pregnancy - # of cigarettes | 0-98 99=Unknown Blank=N/A (MF Record) | Num |
| CIG\_NUM\_TRI3 | Third trimester of pregnancy - # of cigarettes | 0-98 99=Unknown Blank=N/A (MF Record) | Num |
| DELIV\_METHOD | Final route and method of delivery | 1= Vaginal 2= VBAC 3= Primary CS 4= Repeated CS 9= Unknown | Num |
| DENTAL\_CLEANING | Teeth cleaned by a dentist or dental hygienist during this pregnancy? | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| FERT\_AI\_HOSP | Pregnancy resulted from Artificial insemination | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| FERT\_AI\_MOM | Mother reported artificial insemination during month of conception | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| FERT\_ART\_HOSP | Pregnancy resulted from Assisted reproductive technology | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| FERT\_ART\_MOM | Mother reported use of Assisted Reproductive Technology during month of conception | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| FERT\_DRUG\_HOSP | Pregnancy resulted from Fertility-enhancing drugs | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| FERT\_DRUG\_MOM | Mother reported use of fertility enhancing drugs during month of conception | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| FERT\_EGG\_MOM | Mother reported that "anonymous egg donor" applied during this pregnancy | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| FERT\_HOSP | Did this pregnancy result from infertility treatment | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| FERT\_IUI\_HOSP | Pregnancy resulted from Intrauterine insemination | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| FERT\_IUI\_MOM | Mother reported intrauterine insemination durin1g month of conception | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| FERT\_MOM | Mother reported fertility drugs/medical procedures | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| FERT\_MONTH\_MOM | Mother checked the box, "I was not using fertility treatment during the month that I got pregnant | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| FERT\_NONE\_MOM | Mother reported "None of these" (anonymous egg donor, anonymous sperm donor, surrogacy) apply during this pregnancy | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| FERT\_OTHER\_MOM | Mother reported Other fertility-related medical treatment during month of conception | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| FERT\_SPERM\_MOM | Mother reported that "anonymous sperm donor" applied during this pregnancy | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| FERT\_SURROGATE\_MOM | Mother reported that "surrogacy" applied during this pregnancy | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| FETAL\_PRESENTATION | Fetal presentation at delivery | 1=Cephalic  2=Breech  3=Other  9=Unknown | Num |
| FIRST\_PRENATAL\_DATE | Date of first prenatal care | **Proxy Date** – count of days between first prenatal visit date and randomly chosen date in the past  NOTE: The larger the date proxy, the more recently the event occurred  Blank = No PNC | Num |
| FIRST\_PRENATAL\_YEAR | Year of first prenatal care | YYYY | Num |
| FIRST\_PRENATAL\_MONTH | Month of first prenatal care | Months (1-12) | Num |
| FOREIGN\_BORN\_BIRTH | Mother's country of birth | 0=US born  1=Foreign born  9=Unknown | Num |
| GRAVIDITY | Total number of times a woman has been pregnant, including the index birth. GRAVIDITY CALCULATION IS NUMBER OF LIVE BIRTHS LIVING + NUMBER OF LIVE BIRTHS NOW DEAD + NUMBER OF TERMINATIONS + 1. | Count 99=Unknown/Blanks | Num |
| HOME\_BIRTH\_PLANNED | Planned to deliver at home? | 0=No 1=Yes 8=N/A 9=Unknown | Num |
| KOTELCHUCK | Adequacy of Prenatal Care Utilization Index | 0=Missing/Unknown 1= Inadequate  2= Intermediate  3= Adequate  4=Intensive | Num |
| LAD\_COMP\_ABRUPTIO | Complications of Labor & Delivery - Abruptio placenta | 0=No 1=Yes 9=Unknown | Num |
| LAD\_COMP\_ANESTHETIC | Complications of Labor & Delivery - Anesthetic complications | 0=No 1=Yes 9=Unknown | Num |
| LAD\_COMP\_ANTIBIOTIC | Complications of Labor & Delivery - Antibiotics received by the mother during labor | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| LAD\_COMP\_BLEED | Complications of labor & delivery - Other excessive bleeding | 0=No 1=Yes 9=Unknown | Num |
| LAD\_COMP\_CEPHALOPELVIC\_DISP | Complications of Labor & Delivery - Cephalo pelvic disproportion | 0=No 1=Yes 9=Unknown | Num |
| LAD\_COMP\_CHORIOAMNIONITIS | Complications of Labor & Delivery - Clinical chorioamnionitis/maternal temp.>= 38C (100.4F) | 0=No 1=Yes 9=Unknown | Num |
| LAD\_COMP\_CORD\_PROLAPSE | Complications of Labor & Delivery - Cord prolapse | 0=No 1=Yes 9=Unknown | Num |
| LAD\_COMP\_DYSFUNC | Complications of Labor & Delivery - Dysfunctional labor | 0=No 1=Yes 9=Unknown | Num |
| LAD\_COMP\_LONGSTAGE2 | Complications of labor & delivery - Prolonged 2nd stage | 0=No 1=Yes 9=Unknown | Num |
| LAD\_COMP\_NONE | Complications of labor & delivery - None of the above | 0=No 1=Yes 9=Unknown | Num |
| LAD\_COMP\_OTHER | Complications of labor & delivery - Other | 0=No 1=Yes 9=Unknown | Num |
| LAD\_COMP\_PLAC\_PREV | Complications of labor & delivery - Placenta previa | 0=No 1=Yes 9=Unknown | Num |
| LAD\_COMP\_RUPT\_PROLONG | Complications of labor & delivery - Rupture of membrane - prolonged (>24 hours) | 0=No 1=Yes 9=Unknown | Num |
| LAD\_COMP\_SEIZURE | Complications of labor & delivery - Seizures during labor | 0=No 1=Yes 9=Unknown | Num |
| LAD\_PROC\_ECV\_F | Labor and delivery procedures - External cephalic version: Failed | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| LAD\_PROC\_ECV\_S | Labor and delivery procedures - External cephalic version: Successful | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| LAD\_PROC\_ECV | Labor and delivery procedures - External cephalic version | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| LAD\_PROC\_ESAN | Labor & Delivery procedures - Epidural or spinal anesthesia during labor | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| LAD\_PROC\_FETAL\_MON\_E | Labor & Delivery procedures - Electronic fetal monitoring (external) | 0=No 1=Yes 9=Unknown | Num |
| LAD\_PROC\_FETAL\_MON\_I | Labor & Delivery procedures - Electronic fetal monitoring (internal) | 0=No 1=Yes 9=Unknown | Num |
| LAD\_PROC\_HYS | Labor & Delivery procedures - Unplanned hysterectomy | 0=No 1=Yes 9=Unknown | Num |
| LAD\_PROC\_ICU | Labor & Delivery procedures - Admission to intensive care unit | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| LAD\_PROC\_INDUCTION | Labor & Delivery procedures - Induction of labor | 0=No 1=Yes 9=Unknown | Num |
| LAD\_PROC\_LACERATE | Labor & Delivery procedures - Third or fourth degree perineal laceration | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| LAD\_PROC\_MATERNAL\_TRANFUSION | Labor & Delivery procedures - Maternal transfusion | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| LAD\_PROC\_NONE | Labor & Delivery procedures - None of the above | 0=No 1=Yes 9=Unknown | Num |
| LAD\_PROC\_OTHER | Labor & Delivery procedures - Other | 0=No 1=Yes 9=Unknown | Num |
| LAD\_PROC\_RUPT\_UTERUS | Labor & Delivery procedures - Ruptured uterus | 0=No 1=Yes 9=Unknown | Num |
| LAD\_PROC\_STEROID | Labor & Delivery procedures - Steroids (glucocorticoids) | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| LAD\_PROC\_STIM\_LABOR | Labor & Delivery Procedures Stimulation/augmentation of labor | 0=No 1=Yes 9=Unknown | Num |
| LANGUAGE\_SPOKEN | Language preferred for speaking about health | 1=English 2=Spanish 3=Portuguese 4=Cape Verdean Creole 5=Haitian Creole 6=Khmer, 7=Vietnamese 8=Cambodian 9=Somali 10=Arabic 11=Albanian 12=Chinese 13=Russian 14=American Sign Language 15=Other 88=Refused 99=Unknown Blank=N/A (MF Record) | Num |
| LANGUAGE\_WRITTEN | Language preferred for reading about health | 1=English 2=Spanish 3=Portuguese 4=Cape Verdean Creole 5=Haitian Creole 6=Khmer, 7=Vietnamese 8=Cambodian 9=Somali 10=Arabic 11=Albanian 12=Chinese 13=Russian 14=Other 88=Refused 99=Unknown Blank=N/A (MF Record) | Num |
| LAST\_LIVE\_BIRTH\_DATE | Date of last live birth | **Date Proxy** – count of days between last live birth date and randomly chosen date in the past  NOTE: The larger the date proxy, the more recently the event occurred | Num |
| LAST\_LIVE\_BIRTH\_YEAR | Year of last live birth | YYYY | Num |
| LAST\_LIVE\_BIRTH\_MONTH | Month of last live birth | Months (1-12) | Num |
| LAST\_MENSES\_DATE | Date last normal menses began | **Date Proxy** – count of days between last menses date and randomly chosen date in the past  NOTE: The larger the date proxy, the more recently the event occurred | Num |
| LAST\_MENSES\_YEAR | Year of last normal menses | YYYY | Num |
| LAST\_MENSES\_MONTH | Month of last normal menses | Months (1-12) | Num |
| LAST\_OTHER\_OUTCOME\_DATE | Date of last other pregnancy outcome | **Date Proxy** – count of days between last menses date and randomly chosen date in the past  NOTE: The larger the date proxy, the more recently the event occurred Blank = No other birth outcomes | Num |
| LAST\_OTHER\_OUTCOME\_YEAR | Year of last other pregnancy outcome | YYYY | Num |
| LAST\_OTHER\_OUTCOME\_MONTH | Month of last other pregnancy outcome | Months (1-12) | Num |
| LD\_PAY | N/A | 1=Public 2=Private 9=Unknown | Num |
| MARITAL\_BIRTH | Marital status at time of birth | 1 = Unmarried 2 = Married 9 = Missing/Unknown | Num |
| MATINF\_CHLAM | Maternal infections - Chlamydia | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| MATINF\_GON | Maternal infections - Gonorrhea | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| MATINF\_HEPB | Maternal infections - Hepatitis B | 0=No 1=Yes 9=Unknown | Num |
| MATINF\_HEPC | Maternal infections - Hepatitis C | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| MATINF\_NONE | Maternal Infections - None of the above | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| MATINF\_RUBELLA | Maternal Infections - Rubella infection during pregnancy | 0=No 1=Yes 9=Unknown | Num |
| MATINF\_SYPH | Maternal Infections - Syphilis | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| MATRISK\_DIABETES\_G | Maternal risk factors -Gestational diabetes | 0=No 1=Yes 9=Unknown | Num |
| MATRISK\_DIABETES\_P | Maternal risk factors -Diabetes, prepregnancy | 0=No 1=Yes 9=Unknown | Num |
| MATRISK\_ANEMIA | Maternal risk factors - Anemia (HCT < 30, HGB < T10) | 0=No 1=Yes 9=Unknown | Num |
| MATRISK\_C\_SEC | Maternal risk factors - Previous cesarean delivery | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| MATRISK\_C\_SEC\_NUM | Maternal risk factors - If previous cesarean, how many? | Count  99=Unknown 88 = Not applicable Blank=N/A (MF Record) | Num |
| MATRISK\_CANCERS | Maternal risk factors -Maternal cancers | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| MATRISK\_CARDIAC | Maternal risk factors -Cardiac disease | 0=No 1=Yes 9=Unknown | Num |
| MATRISK\_CERVIX | Maternal risk factors -Incompetent cervix | 0=No 1=Yes 9=Unknown | Num |
| MATRISK\_HEMOGLOB | Maternal risk factors -Hemoglobinopathy, non-sickle cell anemia | 0=No 1=Yes 9=Unknown | Num |
| MATRISK\_HYDRAMNIOS | Maternal risk factors -Hydramnios | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| MATRISK\_HYPER\_E | Maternal risk factors -Hypertension, eclampsia | 0=No 1=Yes 9=Unknown | Num |
| MATRISK\_HYPER\_G | Maternal risk factors -Hypertension, gestational | 0=No 1=Yes 9=Unknown | Num |
| MATRISK\_HYPER\_P | Maternal risk factors -Hypertension, prepregnancy | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| MATRISK\_HYPER\_C | Maternal risk factors -Hypercoagulable conditions | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| MATRISK\_HYPER\_PRE\_E | Maternal risk factors -Hypertension, pre-eclampsia | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| MATRISK\_LARGE\_INF | Maternal risk factors -Previous infant 4000+ grams | 0=No 1=Yes 9=Unknown | Num |
| MATRISK\_LUNG | Maternal risk factors -Acute or chronic lung disease | 0=No 1=Yes 9=Unknown | Num |
| MATRISK\_NONE | Maternal risk factors - None of the above | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| MATRISK\_OLIGOHYDRAMNIOS | Maternal risk factors -Oligohydramnios | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| MATRISK\_OTHER | Maternal Risk Factors - Other | 0=No 1=Yes 9=Unknown | Num |
| MATRISK\_PKU | Maternal Risk Factors - Maternal PKU | 0=No 1=Yes 9=Unknown | Num |
| MATRISK\_PRE\_DIABETES | Maternal Risk Factors - Pre-diabetes | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| MATRISK\_PRE\_LABOR | Maternal Risk Factors - Pre-term labor this pregnancy | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| MATRISK\_PREV\_PRETERM | Maternal Risk Factors - Previous preterm birth | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| MATRISK\_PREV\_BD | Maternal Risk Factors - Previous infant with birth defects | 0=No 1=Yes 9=Unknown | Num |
| MATRISK\_RENAL | Maternal Risk Factors - Renal disease | 0=No 1=Yes 9=Unknown | Num |
| MATRISK\_RH | Maternal Risk Factors - RH sensitization | 0=No 1=Yes 9=Unknown | Num |
| MATRISK\_SEIZURE | Maternal Risk Factors - Seizure disorders | 0=No 1=Yes 9=Unknown | Num |
| MATRISK\_SICKLE | Maternal Risk Factors - Sickle cell anemia | 0=No 1=Yes 9=Unknown | Num |
| MATRISK\_WT\_GAIN | Maternal Risk Factors - Weight gain inappropriate for mother | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| MATRISK\_WT\_LOSS | Maternal Risk Factors - Weight loss inappropriate for mother | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| MATRISK\_LUPUS | Maternal risk factors -Lupus erythematosus | 0=No 1=Yes 9=Unknown | Num |
| MOTHER\_EDU | Highest grade of elementary or secondary school that the mother completed. | 1=No HS degree  2=HS degree or GED  3=Associate or Bachelor degree  4=Post graduate  5=Other  8=Refused  9=Unknown/Unobtainable  10=Special Education | Num |
| MOTHER\_ETH\_AFRICAN | Mother's Ethnicity - African | 0=No 1=Yes 9=Unknown | Num |
| MOTHER\_ETH\_AFRICAN\_AMER | Mother's Ethnicity - African American | 0=No 1=Yes 9=Unknown | Num |
| MOTHER\_ETH\_AMER | Mother's Ethnicity - American | 0=No 1=Yes 9=Unknown | Num |
| MOTHER\_ETH\_ASIAN\_INDIAN | Mother's Ethnicity - Asian Indian | 0=No 1=Yes 9=Unknown | Num |
| MOTHER\_ETH\_BRAZILIAN | Mother's Ethnicity - Brazilian | 0=No 1=Yes 9=Unknown | Num |
| MOTHER\_ETH\_CAMBODIAN | Mother's Ethnicity - Cambodian | 0=No 1=Yes 9=Unknown | Num |
| MOTHER\_ETH\_CAPE\_VERDEAN | Mother's Ethnicity - Cape Verdean | 0=No 1=Yes 9=Unknown | Num |
| MOTHER\_ETH\_CARIBBEAN | Mother's Ethnicity - Caribbean Islander | 0=No 1=Yes 9=Unknown | Num |
| MOTHER\_ETH\_CEN\_AMER | Mother's Ethnicity - Other Central American | 0=No 1=Yes 9=Unknown | Num |
| MOTHER\_ETH\_CHINESE | Mother's Ethnicity - Chinese | 0=No 1=Yes 9=Unknown | Num |
| MOTHER\_ETH\_COLOMBIAN | Mother's Ethnicity - Colombian | 0=No 1=Yes 9=Unknown | Num |
| MOTHER\_ETH\_CUBAN | Mother's Ethnicity - Cuban | 0=No 1=Yes 9=Unknown | Num |
| MOTHER\_ETH\_DOMINICAN | Mother's Ethnicity - Dominican | 0=No 1=Yes 9=Unknown | Num |
| MOTHER\_ETH\_EUROPEAN | Mother's Ethnicity - European | 0=No 1=Yes 9=Unknown | Num |
| MOTHER\_ETH\_FILIPINO | Mother's Ethnicity - Filipino | 0=No 1=Yes 9=Unknown | Num |
| MOTHER\_ETH\_GUATEMALAN | Mother's Ethnicity - Guatemalan | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| MOTHER\_ETH\_HAITIAN | Mother's Ethnicity - Haitian | 0=No 1=Yes 9=Unknown | Num |
| MOTHER\_ETH\_HISP\_OTH | Mother's Ethnicity - Hispanic/Latina/Other | 0=No 1=Yes 9=Unknown | Num |
| MOTHER\_ETH\_HONDURAN | Mother's Ethnicity - Honduran | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| MOTHER\_ETH\_JAPANESE | Mother's Ethnicity - Japanese | 0=No 1=Yes 9=Unknown | Num |
| MOTHER\_ETH\_KOREAN | Mother's Ethnicity - Korean | 0=No 1=Yes 9=Unknown | Num |
| MOTHER\_ETH\_LAOTIAN | Mother's Ethnicity - Laotian | 0=No 1=Yes 9=Unknown | Num |
| MOTHER\_ETH\_MEX | Mother's Ethnicity - Mexican, Mexican American, Chicana | 0=No 1=Yes 9=Unknown | Num |
| MOTHER\_ETH\_MID\_EASTERN | Mother's Ethnicity - Middle Eastern | 0=No 1=Yes 9=Unknown | Num |
| MOTHER\_ETH\_OTHER | Mother's Ethnicity - Mother's Ethnicity - Other | 0=No 1=Yes 9=Unknown | Num |
| MOTHER\_ETH\_PAC\_ISL\_OT | Mother's Ethnicity - Other Pacific Islander | 0=No 1=Yes 9=Unknown | Num |
| MOTHER\_ETH\_PORTUGUESE | Mother's Ethnicity - Portuguese | 0=No 1=Yes 9=Unknown | Num |
| MOTHER\_ETH\_PORTUGUESE\_OTH | Mother's Ethnicity - Other Portuguese | 0=No 1=Yes 9=Unknown | Num |
| MOTHER\_ETH\_PR | Mother's Ethnicity - Puerto Rican | 0=No 1=Yes 9=Unknown | Num |
| MOTHER\_ETH\_REFUSED | Mother's Ethnicity - Refused | 0=No 1=Yes 9=Unknown | Num |
| MOTHER\_ETH\_RUSSIAN | Mother's Ethnicity - Russian | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| MOTHER\_ETH\_S\_AMER\_OTH | Mother's Ethnicity - Other South American | 0=No 1=Yes 9=Unknown | Num |
| MOTHER\_ETH\_SAL | Mother's Ethnicity - Salvadoran | 0=No 1=Yes 9=Unknown | Num |
| MOTHER\_ETH\_UNK | Mother's Ethnicity - Unknown | 0=No 1=Yes 9=Unknown | Num |
| MOTHER\_ETH\_VIET | Mother's Ethnicity - Vietnamese | 0=No 1=Yes 9=Unknown | Num |
| MOTHER\_HEIGHT | Mother's height (feet) | One digit integer  Blank=N/A (MF Record) | Num |
| MOTHER\_HEIGHT\_IN | Mother's height (inches) | Two digit integer Blank=N/A (MF Record) | Num |
| MOTHER\_RACE\_AMER\_NATIVE | Mother's Race - American Indian/Alaska Native/Native American | 0=No 1=Yes 9=Unknown | Num |
| MOTHER\_RACE\_ASIAN | Mother's Race - Asian | 0=No 1=Yes 9=Unknown | Num |
| MOTHER\_RACE\_ASIAN\_OTH | Mother's Ethnicity - Other Asian | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| MOTHER\_RACE\_BIRTH | Single race/Hispanic ethnicity for mother | 1 = White non-Hispanic 2 = Black non-Hispanic 3 = Asian/PI non-Hispanic 4 = Hispanic 5 = American Indian or Other  9 = unknown | Num |
| MOTHER\_RACE\_BLACK | Mother's Race - Black | 0=No 1=Yes 9=Unknown | Num |
| MOTHER\_RACE\_BLACK\_HISP | Mother's Race - Hispanic/Latina/Black | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| MOTHER\_RACE\_GUAM\_CHAM | Mother's Race - Guamanian or Chamorro | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| MOTHER\_RACE\_HAWAIIAN | Mother's Ethnicity - Native Hawaiian | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| MOTHER\_RACE\_OTH | Mother's Race - Other | 0=No 1=Yes 9=Unknown | Num |
| MOTHER\_RACE\_PI\_OTH | Mother's Race - Other Pacific Islander | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| MOTHER\_RACE\_REFUSED | Mother's Race - Refused | 0=No 1=Yes 9=Unknown | Num |
| MOTHER\_RACE\_SAMOAN | Mother's Race - Samoan | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| MOTHER\_RACE\_UNK | Mother's Race - Unknown | 0=No 1=Yes 9=Unknown | Num |
| MOTHER\_RACE\_WHITE | Mother's Race - White | 0=No 1=Yes 9=Unknown | Num |
| MOTHER\_RACE\_WHITE\_HISP | Mother's Race - Hispanic/Latina/White | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| MOTHER\_WEIGHT\_NOW | Weight at admission for delivery (pounds) | Integer  999=Missing Blank=N/A (MF Record) | Num |
| MOTHER\_WEIGHT\_PRIOR | Pre-pregnancy weight (pounds) | Integer  999=Missing Blank=N/A (MF Record) | Num |
| NAICS\_BIRTH | North American Industry Classification System | 6 digit North American Industry code | Char |
| NAICS\_YEAR\_BIRTH | Coding year for NAICS | 4 digit year | Num |
| OTHER\_OUTCOME\_NUM | Total number of other pregnancy outcomes | Count 99=Unknown | Num |
| PARITY | PARITY CALCULATION IS NUMBER OF LIVE BIRTHS LIVING+NUMBER OF LIVE BIRTHS NOW DEAD+1 | Count  99=Unknown | Num |
| PRENAT\_AMNIO | Prenatal tests of procedures - Amniocentesis | 0=No 1=Yes 9=Unknown | Num |
| PRENAT\_CVS | Prenatal tests of procedures - CVS (Chorionic villus sampling), a procedure for first-trimester prenatal diagnosis | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| PRENAT\_FETAL\_SURG | Prenatal tests of procedures -Fetal surgery | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| PRENAT\_HOSP | Prenatal tests of procedures - Hospitalization (prenatal for this pregnancy) | 0=No 1=Yes 9=Unknown | Num |
| PRENAT\_NONE | Prenatal Tests and Procedures - None of the above | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| PRENAT\_OTHER | Prenatal Tests and Procedures - Other | 0=No 1=Yes 9=Unknown | Num |
| PRENAT\_SITE | Primary prenatal care site | 1 = Private Physician’s Office 2 = Community Health Center 3 = HMO 4 = Hospital Clinic 5 = Other  9 = Unknown | Num |
| PRENAT\_ULTRAS | Prenatal Tests and Procedures - Ultrasound | 0=No 1=Yes 9=Unknown | Num |
| PRENATAL\_CARE | Prenatal care? | 0=No 1=Yes 8=Refused 9=Unknown Blank=N/A (MF Record) | Num |
| PRENATAL\_CARE\_COUNT | Total number of prenatal care visits | Count 88=no prenatal care 99=Unknown | Num |
| PRENATAL\_PAY | Source of payment for prenatal care | 1=Public 2=Private  3=Other 9=Unknown | Num |
| PREVIOUS\_LIVE\_DEAD | Number of live births now dead | Count  88 = Refused 99=Unknown | Num |
| PREVIOUS\_LIVE\_LIVING | Number now living | Count  88 = Refused 99=Unknown | Num |
| RES\_CODE\_BIRTH | City/town | 1-351 = valid MA city/town 999 = missing/unknown/invalid | Num |
| RES\_ZIP\_BIRTH | Zip code | 5 digit zip code  99999=Unknown | Char |
| SPOUSE\_IS\_FATHER | Is the spouse or deceased spouse the father/parent? | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| SOC\_BIRTH | SOC code | XX-XXXX | Char |
| WIC\_BIRTH | Did mother receive WIC food for herself? | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| SYSTEM | Is the record from MainFrame or VIP? | 1=MF  2=VIP | Num |
| YEAR\_BIRTH | Year of birth | YYYY | Num |
| INFANT\_DOB | Date of infant birth | **Date Proxy** – count of days between infant birth and randomly chosen date in the past  NOTE: The larger the date proxy, the more recently the event occurred | Num |
| MONTH\_BIRTH | Month of birth | 1-12 | Num |
|  |  |  |  |
| LAD\_COMP\_ARRIVE\_EARLY | Started being collected on 07/16/2018  New Progesterone section on 12 Parent Confidential: In any prior pregnancy, did the baby arrive more than 3 weeks early as mother went into labor or her water broke? | 0=No 1=Yes 9=Unknown | Num |
| LAD\_COMP\_SHORT\_CERVIX | Started being collected on 07/16/2018. New Progesterone section on 12 Parent Confidential: Was mother told she had short cervix during this pregnancy? | 0=No 1=Yes 9=Unknown | Num |
| LAD\_COMP\_OFFERED\_PROG | Started being collected on 07/16/2018  New Progesterone section on 12 Parent Confidential: Was mother offered progesterone during this pregnancy? | 0=No 1=Yes, due to a short cervix during this pregnancy 2=Yes, due to an early delivery in a prior pregnancy 9=Unknown | Num |
| LAD\_COMP\_RECEIVED\_PROG | Started being collected on 07/16/2018  New Progesterone section on 12 Parent Confidential: Did mother receive progesterone during this pregnancy? | 1=Yes, progesterone shots 2=Yes, vaginal progesterone 3=Yes, oral progesterone, pills  4=No 5=No, insurance would not cover 6= No, mother declined; 9=Unknown | Num |
| LAD\_COMP\_DENTAL\_COND | Started being collected on 07/16/2018  New Other Self-Reported Items on tab 12 Parent Confidential: Oral health conditions (e.g. swollen or bleeding gums, dental decay, signs of infection) | 0=No 1=Yes 9=Unknown | Num |
| LAD\_COMP\_DENTAL\_REFER | Started being collected on 07/16/2018. New Other Self-Reported Items on tab 12 Parent Confidential: If dental visit is more than 6 months or if any oral health problems identified, were you referred to a dentist? | 0=No 1=Yes 9=Unknown | Num |
| LAD\_ELECTIVE\_CONVENIENCE | Started being collected on 07/16/2018  New Item added to Method of Delivery section of tab 15 Labor and Delivery: .....Was this an elective delivery that was scheduled for convenience of patient or obstetrical provider? | 0=No 1=Yes 9=Unknown | Num |
| LAD\_PROC\_TDAP\_VAC | Started being collected on 07/16/2018  New items added in Test and Procedures section on tab 14 Prenatal 2  Tdap Vaccine | 0=No 1=Yes 9=Unknown | Num |
| LAD\_PROC\_FLU\_VAC | Started being collected on 07/16/2018  New items added in Test and Procedures section on tab 14 Prenatal 2  Influenza (Flu) Vaccine | 0=No 1=Yes 9=Unknown | Num |

# [Bureau of Substance Addiction Services](#_Bureau_of_Substance) (PHDBSAS.BSAS)

| **Variable Name** | **Variable Description** | **Meta Data** | **Format** |
| --- | --- | --- | --- |
| ID | Project specific ID | 9 character alphanumeric ID | Char |
| Match\_level\_BSAS | CHIA Match level | 1= These are CHIA members that received a high score against the DPH input record. This group includes those that matched all elements of the DPH input record and those that had only one element mismatch. The group 1 individual match determination has been optimized based upon the input elements and their overall weight.  2= This group contains members within the APCD that received a lower score against the DPH input record yet are considered *possible* matches. Candidates in this group could match on as little as SSN or date of birth and first and last name. These candidates are included for completeness. | Num |
| Age\_BSAS | Client's age in years at enrollment (calculated from DOB and enrollment date) | Age in years (from 12 yrs old)  Blank=missing | Num |
| BIRTH\_MONTH\_BSAS | Month of birth | 1-12  99=Missing/unknown | Num |
| BIRTH\_YEAR\_BSAS | Year of birth | YYYY  9999=Missing/unknown | Num |
| CLT\_DIS\_EMPLOYMENT\_BSAS | Employment status at disenrollment | 1 = Working Full Time 2 = Working Part Time 3 = Unemployed - Looking 4 = Unemployed - Not Looking 5 = Not In Labor Force - Student 6 = Not In Labor Force - Retired 7 = Not In Labor Force - Disabled 8 = Not In Labor Force - Homemaker 9 = Not In Labor Force - Other 10 =Not In Labor Force - Incarcerated 11 = Volunteer 13 = Maternity/Family Leave 14 = Refused 15 = Unable to Work 94 = Other 95 = Unknown 99 = Missing | Num |
| CLT\_DIS\_HOUSING\_BSAS | Housing at disenrollment | 1= House / Apartment 2= Room / Boarding House 3= Institution 4= Group Home 5= Shelter / Mission 6= Streets 7= Foster Care 8= Refused 9= Missing/Unknown | Num |
| CLT\_ENR\_DEVEL\_DIS | Did client have a developmental disability at enrollment? | 0 = None  1 = Slight  2 = Moderate  3 = Severe  9 = Missing/Unknown | Num |
| clt\_enr\_education | Education level at enrollment | 1 = Not of School Age 2 = No Formal Education 3 = Some Schooling 4 = Some High School 5 = High School Diploma / GED 6 = Some College 7 = Associates Degree 8 = College Degree or Higher 9 = Other Credentials 95 = Unknown 99 = Missing | Num |
| clt\_enr\_employment | Employment status at enrollment | 1 = Working Full Time 2 = Working Part Time 3 = Unemployed - Looking 4 = Unemployed - Not Looking 5 = Not In Labor Force - Student 6 = Not In Labor Force - Retired 7 = Not In Labor Force - Disabled 8 = Not In Labor Force - Homemaker 9 = Not In Labor Force - Other 10 =Not In Labor Force - Incarcerated 11 = Volunteer 13 = Maternity/Family Leave 14 = Refused 15 = Unable to Work 94 = Other 95 = Unknown 99 = Missing | Num |
| clt\_enr\_has\_children | Does the client have children at enrollment? | 0 = Does Not Have Children 1 = Has Children 8 = Refused 9 = Missing/Unknown | Num |
| clt\_enr\_hear\_impair | Did client have hearing impairment at enrollment? | 0 = None 1 = Slight 2 = Moderate 3 = Severe 9 = Missing/Unknown | Num |
| CLT\_ENR\_HOUSING\_BSAS | Housing at enrollment | 1= House / Apartment  2=  Room / Boarding House  3=  Institution  4=  Group Home  5=  Shelter / Mission  6=  Streets  7=  Foster Care  8=  Refused  9=  Missing/Unknown | Num |
| clt\_enr\_lives\_6to18 | Client lives with children 6 - 18 years of age at Enrollment? | 0 = Does Not Live with a Child 6-18 1 = Lives with a Child 6-18 9 = Missing/Unknown | Num |
| clt\_enr\_lives\_over18 | Client lives with children over 18 years of age at enrollment? | 0 = Does Not Live with a Child over 18 1 = Lives with a Child over 18 9 = Missing/Unknown | Num |
| clt\_enr\_lives\_under6 | Client lives with children under 6 years of age at enrollment? | 0 = Does Not Live with a Child Under 6 1 = Lives with a Child Under 6 9 = Missing/Unknown | Num |
| clt\_enr\_marital\_status | Marital status at enrollment | 1 = Never Married 2 = Married 3 = Separated 4 = Divorced 5 = Widowed 6 = Partnership 9 = Missing/Unknown | Num |
| clt\_enr\_mhtx | Reported prior mental health treatment at enrollment | 0 = No Prior History 1 = Prior Counseling 2 = One Prior Hospitalization 3 = Two or More Prior Hospitalizations 9 = Missing/Unknown | Num |
| clt\_enr\_mob\_aid\_crutches | Was client using a mobility aid at enrollment?  crutches | 0 = Not Using Crutches at Enrollment 1 = Using Crutches at Enrollment 9 = Missing/Unknown | Num |
| clt\_enr\_mob\_aid\_man\_wc | Was client using a mobility aid at enrollment?  manual wheelchair | 0 = Not Using a Manual Wheelchair at Enrollment 1 = Using a Manual Wheelchair at Enrollment 9 = Missing/Unknown | Num |
| clt\_enr\_mob\_aid\_none | Was client using a mobility aid at enrollment?  none | 0 = Using Some Mobility Aid at Enrollment 1 = Not Using Any Mobility Aid at Enrollment 9 = Missing/Unknown | Num |
| clt\_enr\_mob\_aid\_walker | Was client using a mobility aid at enrollment?  Walker | 0 = Not Using a Walker at Enrollment 1 = Using a Walker at Enrollment 9 = Missing/Unknown | Num |
| clt\_enr\_mob\_aid\_wc | Was client using a mobility aid at enrollment?  electric wheelchair | 0 = Not Using an Electric Wheelchair at Enrollment 1 = Using an Electric Wheelchair at Enrollment 9 = Missing/Unknown | Num |
| clt\_enr\_overdoses\_life | Number of drug overdoses in the client's lifetime | This is a continuous variable with values >= 0.  999 = missing | Num |
| clt\_enr\_primary\_drug | client's self-identified primary substance at enrollment | [See code list](#_5B12Bpdm_prv_serv_cat) | Num |
| clt\_enr\_secondary\_drug | Client's self-identified secondary substance at enrollment | [See code list](#_5B12Bpdm_prv_serv_cat) | Num |
| CLT\_ENR\_SECTION35\_BSAS | Is the client enrolled through Sectioin 35 | 0= Not Section 35 Client 1 = Section 35 Client 8= Other 9= Unknown | Num |
| clt\_enr\_self\_care\_impair | Did client have self-care/activities of daily living (ADL) skills impairment at enrollment? | 0 = None 1 = Slight 2 = Moderate 3 = Severe 9 = Missing/Unknown | Num |
| clt\_enr\_tertiary\_drug | Client's self-identified tertiary substance at enrollment | [See code list](#_5B12Bpdm_prv_serv_cat) | Num |
| clt\_enr\_vision\_impair | Did Client have vision impairment at enrollment? | 0 = None 1 = Slight 2 = Moderate 3 = Severe 9 = Missing/Unknown | Num |
| clt\_enr\_zip\_code | Client's zip code at enrollment | 5 digit zip code | Char |
| clt\_homeless\_at\_enr | Identifies if client is homeless at enrollment? | 0 = No 1 = Yes 8 = Unable to Determine 9 = Missing/Unknown | Num |
| CLT\_ENR\_CHRONIC\_HOMELESS | Is client chronically homeless? | 0 = No 1 = Yes 9 = Missing/unknown/invalid/not collected | Num |
| CLT\_TYPE\_VETERAN\_BSAS | Client type at enrollment: Veteran | 0 = No  1 = Yes  9 = Missing/Unknown | Num |
| dis\_date\_BSAS | Number representing days between event and random date in the future | Date Proxy – count of days between disenrollment date and randomly chosen date in the past  **NOTE: The larger the date proxy, the more recently the event occurred** | Num |
| dis\_month\_BSAS | Month of the end date for the enrollment | Month, 1-12  Missing 99 | Num |
| DIS\_REASON\_TYPE | Reason for disenrollment | 1= Completed 2= Dropout 3= Administrative Discharge 4= Hospitalized 6= Moved 7= Assessment Only 8= Incarcerated 9= Active/Expired Enrollments 10= AMA 11= ACA 12= Relapsed 13= Parent 14= ACA/AMA 15= Transferred 16= Deceased 17= EAR Disenrollment Reasons 94= Other  99= Missing/Unknown | Num |
| DIS\_REFERRAL1\_BSAS | Primary referral at disenrollment | See [DIS\_REFERRAL1](#_DIS_REFERRAL1) code list | Num |
| DIS\_REFERRAL2\_BSAS | Secondary referral at disenrollment | See [DIS\_REFERRAL2](#_DIS_REFERRAL2) code list | Num |
| DIS\_REFERRAL3\_BSAS | Tertiary referral at disenrollment | See [DIS\_REFERRAL3](#_DIS_REFERRAL3) code list | Num |
| dis\_year\_BSAS | Calendar year of the end date for the enrollment | Year, yyyy  Missing 9999 | Num |
| ENR\_STATUS\_BSAS | What is the client’s enrollment status? | 1 Closed 2 Active 3 Expired | Num |
| enr\_year\_BSAS | Calendar year of the start date for the enrollment | Year, yyyy  Missing 9999 | Num |
| enr\_month\_BSAS | Month of the start date for the enrollment | Month, 1-12  Missing 99 | Num |
| enr\_date\_BSAS | Number representing days between event and random date in the future | Date Proxy – count of days between enrollment date and randomly chosen date in the past  **NOTE: The larger the date proxy, the more recently the event occurred** | Num |
| METHADONE\_BSAS | Treatment provided for participants in PDM\_PRV\_SERV\_TYPE of 6 (methadone treatment), 26 (OBOT) and 63 (Project MAT) | 1=Likely methadone  2=Buprenorphine  3=Naltrexone  4= Buprenorphine or Naltrexone  Blank = Not applicable | Num |
| PDM\_PRV\_ID | Treatment provider ID | number | Num |
| pdm\_prv\_serv\_cat | Treatment service category, *please verify type of treatment using medical, Rx records* | [See code list](#_6B13Bpdm_prv_serv_type) | Num |
| pdm\_prv\_serv\_type | Treatment program type *please verify treatment provided using medical and Rx records.* | [See code list](#_pdm_prv_serv_type_1) | Num |
| RACE\_BSAS | Client race(derived) | 1=White non-Hispanic  2=Black non-Hispanic  3=Asian/PI non-Hispanic  4=Hispanic  5=American Indian or Other  9= Missing | Num |
| RES\_CODE\_BSAS | Client's city/town at enrollment (Boston neighborhoods collapsed  into Boston) | [1-351 for valid MA city/town](#_clt_enr_nbhd_2) 999=Unknown | Num |
| Sex\_BSAS | Intake reported gender | 1 = Male 2 = Female 9 = Missing/Unknown | Num |

| clt\_enr\_drug (all types) |
| --- |
| 0=None |
| 1=Alcohol |
| 2=Cocaine |
| 3=Crack |
| 4=Marijuana |
| 5=Heroin |
| 6=Non-Rx Methadone |
| 7=Other Opiates |
| 8=PCP |
| 9=Other Hallucinogens |
| 10=Methamphetamine |
| 11=Other Amphetamines |
| 12=Other Stimulants |
| 13=Benzodiazepines |
| 14=Other Tranquilizers |
| 15=Barbiturates |
| 16=Other Sedatives |
| 17=Inhalants |
| 18=OTC |
| 19=Club Drugs |
| 21=Oxycodone |
| 22=Non-Rx Suboxone |
| 23=Rx Opiates |
| 24=Non-Rx Opiates |
| 25=K2marij |
| 26=Fentanyl |
| 94=Other/refused |
| 99=Missing |

|  | DIS\_REFERRAL1DIS\_REFERRAL2DIS\_REFERRAL3 |
| --- | --- |
| 0 | Referral Not Needed - Assessment Indicates that Client Does Not Require to Enter Formal Treatment |
| 1 | Self, Family, Non Medical Professionals |
| 2 | BMC Central Intake |
| 3 | ATS - Level A |
| 4 | Transitional Support Services |
| 5 | Clinical Stabilization Services |
| 6 | Residential Treatment |
| 7 | Outpatient SA Counseling |
| 8 | Opioid Treatment |
| 9 | Drunk Driving Program |
| 10 | Acupuncture |
| 11 | Gambling Program |
| 12 | Section 35 (WATC / MATC) |
| 13 | Youth Program |
| 14 | Sober House |
| 15 | Information and Referral |
| 16 | Recovery Support Center |
| 17 | Second Offender Aftercare |
| 18 | Family Intervention Programs |
| 19 | Other SA Treatment |
| 20 | Healthcare Professional, Hospital |
| 21 | Emergency Room |
| 22 | HIV/AIDS Program |
| 23 | Needle Exchange Program |
| 24 | Section 35 Framingham MCI |
| 26 | Mental Health Care Professional |
| 30 | School Personnel, School Systems |
| 31 | Recovery High School |
| 40 | Supervisor / Employee Counselor |
| 50 | Shelter |
| 51 | Community and Religious Organizations |
| 59 | Drug Court |
| 60 | Court - Section 35 |
| 61 | Court – DUI |
| 62 | Court – Drugs |
| 63 | Court – Other |
| 64 | Pre-Release, Legal Aid, Police |
| 65 | County House of Correction/Jail |
| 66 | Office of Community Corrections |
| 67 | Dept. of Corrections |
| 68 | Dept. of Probation |
| 69 | Massachusetts Parole Board |
| 70 | Dept. of Youth Services |
| 71 | Dept. of Children and Families |
| 72 | Dept. of Mental Health |
| 73 | Dept. of Developmental Services |
| 74 | Dept. of Public Health |
| 75 | Dept. of Transitional Assistance |
| 76 | Office for Child Care Services |
| 77 | Mass. Rehab. Commission |
| 78 | Mass. Commission for the Blind |
| 79 | Mass. Comm. For Deaf and Hard of Hearing |
| 80 | Other State Agency |
| 81 | Division of Medical Assistance (MassHealth) |
| 82 | Community Behavioral Health |
| 83 | Afterschool Program |
| 84 | YMCA |
| 85 | Boys and Girls Club |
| 88 | Refused |
| 95 | Referral Not Needed - Appropriate Mental Health Clinical Services Already in Place |
| 96 | Referral Not Needed - Appropriate Substance Abuse Clinical Services Already in Place |
| 97 | Referral Not Made - Client Dropped Out |
| 98 | Referral Attempted - Not Wanted by Client |
| 99 | Early Intervention |
| 100 | Family Support Program |
| 101 | Early Intervention |
| 102 | Family Support Program |
| 994 | Other |
| 995 | Unknown |

| pdm\_prv\_serv\_cat |
| --- |
| 2=Post Detox Stabilization |
| 3=Outpatient |
| 4=Residential |
| 5=Case Management |
| 6=Recovery Support Services |
| 7=Opioid Treatment |
| 8=Statewide Services and Coordination |
| 10=Youth Treatment Programs |
| 11=Family Treatment Services |
| 13=Acute Treatment Services |
| 14=County Corrections |
| 15=Intervention |
| 16=Recovery High School |
| 17=Youth Program |
| 18=Recovery Support |
| 19=Engagement, Assessment and Referral |
| 20=Re-entry services |
| 94=Other |
| 99=Missing |

|  |
| --- |
| pdm\_prv\_serv\_type |
| 1= 1st Offender Drunk Driver |
| 2=2nd Offender Aftercare |
| 3=2nd Offender Residential |
| 4=Acupuncture Detoxification |
| 5=Acute Treatment Services |
| 6=Methadone Treatment |
| 8=ATR-Recovery Support Services |
| 10=Case Management |
| 12=Clinical Stabilization Services |
| 13=Community Based Case Management |
| 14=Compulsive Gambling |
| 15=County Corrections |
| 16=Day Treatment |
| 17=Drug Court Program |
| 18=Drug Court Case Management |
| 19=Expanded Treatment Services |
| 20=Family Intervention |
| 21=Family Oriented Case Management |
| 22=Family Residential |
| 24=Intensive Outpatient Treatment |
| 26=Office Based Opioid Treatment Services |
| 28=Outpatient Case Management |
| 29=Outpatient Counseling |
| 30=Outpatient Detox |
| 31=Outpatient Services |
| 32=Partnership For Success |
| 33=Permanent Housing SCM |
| 34=Prevention Services |
| 35=Recovery High Schools |
| 36=Recovery Home |
| 37=Recovery Support Centers |
| 38=Recovery Support Outpatient Services |
| 39=Social Model House |
| 40=Statewide Housing Support |
| 41=Statewide Services and Coordination |
| 42=Street Outreach/ Housing Stabilization |
| 43=Substance Abuse Prevention Collaborative (SAPC) |
| 44=Tewksbury Stabilization |
| 45=Therapeutic Community |
| 46=Transitional Housing SCM |
| 47=Transitional Support Services |
| 48=Young Adult Residential |
| 49=Youth Intervention |
| 50=Youth Residential |
| 52=Youth Stabilization |
| 53=Section 35 |
| 54=Jail Diversion - Residential Component |
| 55=CHINS - Substance Abuse Services |
| 56=Housing Options Program |
| 57=Crim Just Collab-Youth |
| 58=ATARP |
| 59=Opioid Urgent Care Centers |
| 61=Low Threshold Housing SCM |
| 62=SYT-I Project A-CRA |
| 63=SYT-I Project MAT |
| 64=Supportive Case Management |
| 65=Crim Just Collab-Adult |
| 66=Young Adult Residential Case Management |
| 67=Family Intervention - Clinical Support |
| 68=CJ Diversion |
| 69=State Parole Board |
| 70=Jail Diversion - Case Management Component |
| 71=DYS Residential |
| 72=ER Visit |
| 73=Inpatient Hospital Stay |
| 76=Observation |
| 80=Death Record |
| 81=Youth Program |
| 82=BSAS-STR-HOC  (no longer provided 2023) |
| 83=Heroin Education Aware Task |
| 84=Post Detox Pre-Recovery |
| 85=Family Intervention - Family Support |
| 86=State Funded Earmarks |
| 87=Enhanced MAT |
| 88=Medication Assisted Re-Entry Initiative |
| 89=Collaborative and Transitional Models for MAT |
| 90=Moms Do Care |
| 91=Transitional Addiction Treatment |
| 92=SOR Home Visit Initiative – renamed FIRST steps together |
| 93=Co-Occurring Enhanced Residential Rehab Services |
| 94=Low Threshold  (no longer provided 2023) |
| 95=School Based Intervention Long Term |
| 96= Project AMP |
| 97= Opioid Urgent Care Center Bridge Program |
| 98= Correctional MAT |
| 99= PPW Intensive Day Treatment |
| 100= STR – RSC |
| 101= MOUD Surveillance |
| 102= Rapid Rehousing |
| 103= Enhanced Srvcs for Stimulant Use Disorder |
| 104= High School Co-occurring Disorder - ACRA |
| 105= High School Co-occurring Disorder - Project AMP |
| 106= High School Co-occurring Disorder - Diversion |
| 107=Mobile Addiction Services |
| 108 Recovery Based Re-entry services for Black and Latino Men |
| 109=Pre-Release Re-Entry Services for Black and Latino Men |
| 110=Overflow Youth Stabilization |
| 111=Intensive Services for Women |
| 112=Green Care – Intervention |
| 113=Green Care – Treatment |
| 114=Low Threshold Housing Services |
| 115=Community Based Project Amp |
| 116 = Community Innovation |
| 117 =  School Based Early Intervention-Assessment Program |
| 118 Stimulant Treatment and Recovery Teams |
| 119 Temporary Low Threshold Housing |
| 994= Other |
| 995 =Unknown |
| 996 =Not Applicable |
| 997 =Missing |
| 998 Not collected |
| 999= Invalid |

| clt\_enr\_nbhd |
| --- |
| 1=Abington |
| 2=Acton |
| 3=Acushnet |
| 4=Adams |
| 5=Agawam |
| 6=Alford |
| 7=Amesbury |
| 8=Amherst |
| 9=Andover |
| 10=Arlington |
| 11=Ashburnham |
| 12=Ashby |
| 13=Ashfield |
| 14=Ashland |
| 15=Athol |
| 16=Attleboro |
| 17=Auburn |
| 18=Avon |
| 19=Ayer |
| 20=Barnstable |
| 21=Barre |
| 22=Becket |
| 23=Bedford |
| 24=Belchertown |
| 25=Bellingham |
| 26=Belmont |
| 27=Berkley |
| 28=Berlin |
| 29=Bernardston |
| 30=Beverly |
| 31=Billerica |
| 32=Blackstone |
| 33=Blandford |
| 34=Bolton |
| 35=Boston |
| 36=Bourne |
| 37=Boxboro |
| 38=Boxford |
| 39=Boylston |
| 40=Braintree |
| 41=Brewster |
| 42=Bridgewater |
| 43=Brimfield |
| 44=Brockton |
| 45=Brookfield |
| 46=Brookline |
| 47=Buckland |
| 48=Burlington |
| 49=Cambridge |
| 50=Canton |
| 51=Carlisle |
| 52=Carver |
| 53=Charlemont |
| 54=Charlton |
| 55=Chatham |
| 56=Chelmsford |
| 57=Chelsea |
| 58=Cheshire |
| 59=Chester |
| 60=Chesterfield |
| 61=Chicopee |
| 62=Chilmark |
| 63=Clarksburg |
| 64=Clinton |
| 65=Cohasset |
| 66=Colrain |
| 67=Concord |
| 68=Conway |
| 69=Cummington |
| 70=Dalton |
| 71=Danvers |
| 72=Dartmouth |
| 73=Dedham |
| 74=Deerfield |
| 75=Dennis |
| 76=Dighton |
| 77=Douglas |
| 78=Dover |
| 79=Dracut |
| 80=Dudley |
| 81=Dunstable |
| 82=Duxbury |
| 83=East Bridgewater |
| 84=East Brookfield |
| 85=East Longmeadow |
| 86=Eastham |
| 87=Easthampton |
| 88=Easton |
| 89=Edgartown |
| 90=Egremont |
| 91=Erving |
| 92=Essex |
| 93=Everett |
| 94=Fairhaven |
| 95=Fall River |
| 96=Falmouth |
| 97=Fitchburg |
| 98=Florida |
| 99=Foxboro |
| 100=Framingham |
| 101=Franklin |
| 102=Freetown |
| 103=Gardner |
| 104=Aquinnah |
| 105=Georgetown |
| 106=Gill |
| 107=Gloucester |
| 108=Goshen |
| 109=Gosnold |
| 110=Grafton |
| 111=Granby |
| 112=Granville |
| 113=Great Barrington |
| 114=Greenfield |
| 115=Groton |
| 116=Groveland |
| 117=Hadley |
| 118=Halifax |
| 119=Hamilton |
| 120=Hampden |
| 121=Hancock |
| 122=Hanover |
| 123=Hanson |
| 124=Hardwick |
| 125=Harvard |
| 126=Harwich |
| 127=Hatfield |
| 128=Haverhill |
| 129=Hawley |
| 130=Heath |
| 131=Hingham |
| 132=Hinsdale |
| 133=Holbrook |
| 134=Holden |
| 135=Holland |
| 136=Holliston |
| 137=Holyoke |
| 138=Hopedale |
| 139=Hopkinton |
| 140=Hubbardston |
| 141=Hudson |
| 142=Hull |
| 143=Huntington |
| 144=Ipswich |
| 145=Kingston |
| 146=Lakeville |
| 147=Lancaster |
| 148=Lanesboro |
| 149=Lawrence |
| 150=Lee |
| 151=Leicester |
| 152=Lenox |
| 153=Leominster |
| 154=Leverett |
| 155=Lexington |
| 156=Leyden |
| 157=Lincoln |
| 158=Littleton |
| 159=Longmeadow |
| 160=Lowell |
| 161=Ludlow |
| 162=Lunenberg |
| 163=Lynn |
| 164=Lynnfield |
| 165=Malden |
| 166=Manchester |
| 167=Mansfield |
| 168=Marblehead |
| 169=Marion |
| 170=Marlborough |
| 171=Marshfield |
| 172=Mashpee |
| 173=Mattapoisett |
| 174=Maynard |
| 175=Medfield |
| 176=Medford |
| 177=Medway |
| 178=Melrose |
| 179=Mendon |
| 180=Merrimac |
| 181=Methuen |
| 182=Middleboro |
| 183=Middlefield |
| 184=Middleton |
| 185=Milford |
| 186=Millbury |
| 187=Millis |
| 188=Millville |
| 189=Milton |
| 190=Monroe |
| 191=Monson |
| 192=Montague |
| 193=Monterey |
| 194=Montgomery |
| 195=Mount Washington |
| 196=Nahant |
| 197=Nantucket |
| 198=Natick |
| 199=Needham |
| 200=New Ashford |
| 201=New Bedford |
| 202=New Braintree |
| 203=New Marlboro |
| 204=New Salem |
| 205=Newbury |
| 206=Newburyport |
| 207=Newton |
| 208=Norfolk |
| 209=North Adams |
| 210=North Andover |
| 211=North Attleboro |
| 212=North Brookfield |
| 213=North Reading |
| 214=Northampton |
| 215=Northboro |
| 216=Northbridge |
| 217=Northfield |
| 218=Norton |
| 219=Norwell |
| 220=Norwood |
| 221=Oak Bluffs |
| 222=Oakham |
| 223=Orange |
| 224=Orleans |
| 225=Otis |
| 226=Oxford |
| 227=Palmer |
| 228=Paxton |
| 229=Peabody |
| 230=Pelham |
| 231=Pembroke |
| 232=Pepperell |
| 233=Peru |
| 234=Petersham |
| 235=Phillipston |
| 236=Pittsfield |
| 237=Plainfield |
| 238=Plainville |
| 239=Plymouth |
| 240=Plympton |
| 241=Princeton |
| 242=Provincetown |
| 243=Quincy |
| 244=Randolph |
| 245=Raynham |
| 246=Reading |
| 247=Rehoboth |
| 248=Revere |
| 249=Richmond |
| 250=Rochester |
| 251=Rockland |
| 252=Rockport |
| 253=Rowe |
| 254=Rowley |
| 255=Royalston |
| 256=Russell |
| 257=Rutland |
| 258=Salem |
| 259=Salisbury |
| 260=Sandisfield |
| 261=Sandwich |
| 262=Saugus |
| 263=Savoy |
| 264=Scituate |
| 265=Seekonk |
| 266=Sharon |
| 267=Sheffield |
| 268=Shelburne |
| 269=Sherborn |
| 270=Shirley |
| 271=Shrewsbury |
| 272=Shutesbury |
| 273=Somerset |
| 274=Somerville |
| 275=South Hadley |
| 276=Southampton |
| 277=Southboro |
| 278=Southbridge |
| 279=Southwick |
| 280=Spencer |
| 281=Springfield |
| 282=Sterling |
| 283=Stockbridge |
| 284=Stoneham |
| 285=Stoughton |
| 286=Stow |
| 287=Sturbridge |
| 288=Sudbury |
| 289=Sunderland |
| 290=Sutton |
| 291=Swampscott |
| 292=Swansea |
| 293=Taunton |
| 294=Templeton |
| 295=Tewksbury |
| 296=Tisbury |
| 297=Tolland |
| 298=Topsfield |
| 299=Townsend |
| 300=Truro |
| 301=Tyngsboro |
| 302=Tyringham |
| 303=Upton |
| 304=Uxbridge |
| 305=Wakefield |
| 306=Wales |
| 307=Walpole |
| 308=Waltham |
| 309=Ware |
| 310=Wareham |
| 311=Warren |
| 312=Warwick |
| 313=Washington |
| 314=Watertown |
| 315=Wayland |
| 316=Webster |
| 317=Wellesley |
| 318=Wellfleet |
| 319=Wendell |
| 320=Wenham |
| 321=West Boylston |
| 322=West Bridgewater |
| 323=West Brookfield |
| 324=West Newbury |
| 325=West Springfield |
| 326=West Stockbridge |
| 327=West Tisbury |
| 328=Westboro |
| 329=Westfield |
| 330=Westford |
| 331=Westhampton |
| 332=Westminster |
| 333=Weston |
| 334=Westport |
| 335=Westwood |
| 336=Weymouth |
| 337=Whatley |
| 338=Whitman |
| 339=Wilbraham |
| 340=Williamsburg |
| 341=Williamstown |
| 342=Wilmington |
| 343=Winchendon |
| 344=Winchester |
| 345=Windsor |
| 346=Winthrop |
| 347=Woburn |
| 348=Worcester |
| 349=Worthington |
| 350=Wrentham |
| 351=Yarmouth |

# BSAS MOUD Disenrollment (PHDBSAS.HOCMOUD\_DIS)

| **Variable Name** | **Variable description** | **Meta Data** | **Format** |
| --- | --- | --- | --- |
| ID | Project Specific ID | 9 character alphanumeric ID | char |
| Match\_level\_hocmouddis | CHIA Match level | 1= These are CHIA members that received a high score against the DPH input record. This group includes those that matched all elements of the DPH input record and those that had only one element mismatch. The group 1 individual match determination has been optimized based upon the input elements and their overall weight.  2= This group contains members within the APCD that received a lower score against the DPH input record yet are considered possible matches. Candidates in this group could match on as little as SSN or date of birth and zip code. These candidates are included for completeness | num |
| mat\_dis\_disenroll\_date | Disenrollment Date | Date Proxy: Count of days between disenrollment and a random date in the past  NOTE: The larger the date proxy, the more recently the event occurred | num |
| mat\_dis\_disenroll\_month | Disenrollment month | Months, 1-12 | num |
| mat\_dis\_disenroll\_year | Disenrollment year | Years, YYYY format | num |
| mat\_dis\_age | Disenrollment age | Age in years | num |
| dis\_county | County | 1= Berkshire  2= Bristol  3= Essex  4= Franklin  5= Hampden  6= Hampshire  7= Middlesex  8= Norfolk  9= Suffolk | num |
| mat\_dis\_reason | Disenrollment Reason | 1= Administrative/non-compliant  2= Deceased  3= Inappropriate  4= Completed  5= Hospitalized, Medical  6= Transferred to another DOC/HOC  7= Drop Out  8= Hospitalized, Mental Health  9= Released from DOC/HOC  88= Unknown  99= Refused  Note: if missing, question was lefting blank during assessment | num |
| mat\_dis\_gender | Gender | 1= Male  2= Female  3= Transgender | num |
| mat\_dis\_3 | Re-entry treatment plan includes medication-assisted treatment | 1= Yes  0= No  77= Not Applicable  88= Unknown  99= Refused  Note: if missing, question was left blank during assessment | num |
| mat\_dis\_4a | 4a. Referred to Self Help | 1= Yes  0= No  88= Unknown  99= Refused  Note: if missing, question was left blank during assessment | num |
| mat\_dis\_4b | 4b. Frequency of attendance at self-help programs in the last 30 days or since admission if in treatment less than 30 days. | 1= No attendance in the past month  2= 1-3 times in past month (less than once per week)  3= 4-7 times in past month (about once per week)  4= 8-15 times in past month (2 or 3 times per week)  5= 16-30 times in past month (4 or more times per week  6= Some attendance, but frequency unknown  88=Unknown  99= Refused  Note: if missing, question was left blank during assessment | num |
| mat\_dis\_5a | 5. Referral #1 - Client referrals at disenrollment | 0= Referral Not Needed - Assessment Indicates that Client Does Not Require Entering Formal Treatment  95= Referral Not Needed - Appropriate Mental Health Clinical Services Already in Place  96= Referral Not Needed - Appropriate Substance Abuse Clinical Services Already in Place  97= Referral Not made - Client Dropped Out  98= Referral Attempted - Not Wanted by Client  1= Self, Family, Non-medical Professional  2= BMC Central Intake/Room 5  3= ATS/Detox  4= Transitional Support Services/TSS  5= Clinical Stabilization Services/CSS-CMID  6= Residential Treatment  7= Outpatient SA Counseling  8= Medication Assisted Treatment  9= Drunk Driving Program  10= Acupuncture  11= Gambling Program  14= Sober House  16= New Recovery Support Center  17= Second Offender Aftercare  18= Family Intervention Programs  19= Other Substance Abuse Treatment  20= Health Care Professional, Hospital  21= Emergency Room  22= HIV/AIDS Program  23= Needle Exchange Program  26= Mental Health Care Professional  30= School Personnel, School System/College  31= Recovery High School  40= Supervisor/employee Counselor  50= Shelter  51= Community or Religious Organization  59= Drug Court  64= Prerelease, Legal Aid, Police  68= Office of the Commissioner of Probation  69= Massachusetts Parole Board  70= Dept. of Youth Services  71= Dept. of Children and Families  72= Dept. of Mental Health  73= Dept. of Developmental Services  74= Dept. of Public Health  75= Dept. of Transitional Assistance  76= Dept. of Early Education and Care  77= Mass. Rehab. Commission  78= Mass. Commission for the Blind  79= Mass. Comm. For Deaf & Hard of Hearing  80= Other State Agency  81= Division of Medical Assistance/MassHealth  88=Unknown  99= Refused  Note: if missing, question was left blank during assessment | num |
| Mat\_dis\_5b | 5. Referral #2 – Client referrals at disenrollment | 0= Referral Not Needed - Assessment Indicates that Client Does Not Require Entering Formal Treatment  95= Referral Not Needed - Appropriate Mental Health Clinical Services Already in Place  96= Referral Not Needed - Appropriate Substance Abuse Clinical Services Already in Place  97= Referral Not made - Client Dropped Out  98= Referral Attempted - Not Wanted by Client  1= Self, Family, Non-medical Professional  2= BMC Central Intake/Room 5  3= ATS/Detox  4= Transitional Support Services/TSS  5= Clinical Stabilization Services/CSS-CMID  6= Residential Treatment  7= Outpatient SA Counseling  8= Medication Assisted Treatment  9= Drunk Driving Program  10= Acupuncture  11= Gambling Program  14= Sober House  16= New Recovery Support Center  17= Second Offender Aftercare  18= Family Intervention Programs  19= Other Substance Abuse Treatment  20= Health Care Professional, Hospital  21= Emergency Room  22= HIV/AIDS Program  23= Needle Exchange Program  26= Mental Health Care Professional  30= School Personnel, School System/College  31= Recovery High School  40= Supervisor/employee Counselor  50= Shelter  51= Community or Religious Organization  59= Drug Court  64= Prerelease, Legal Aid, Police  68= Office of the Commissioner of Probation  69= Massachusetts Parole Board  70= Dept. of Youth Services  71= Dept. of Children and Families  72= Dept. of Mental Health  73= Dept. of Developmental Services  74= Dept. of Public Health  75= Dept. of Transitional Assistance  76= Dept. of Early Education and Care  77= Mass. Rehab. Commission  78= Mass. Commission for the Blind  79= Mass. Comm. For Deaf & Hard of Hearing  80= Other State Agency  81= Division of Medical Assistance/MassHealth  99= Unknown  Note: if missing, question was left blank during assessment | num |
| mat\_dis\_5c | 5. Referral #3 – Client referrals at disenrollment | 0= Referral Not Needed - Assessment Indicates that Client Does Not Require Entering Formal Treatment  95= Referral Not Needed - Appropriate Mental Health Clinical Services Already in Place  96= Referral Not Needed - Appropriate Substance Abuse Clinical Services Already in Place  97= Referral Not made - Client Dropped Out  98= Referral Attempted - Not Wanted by Client  1= Self, Family, Non-medical Professional  2= BMC Central Intake/Room 5  3= ATS/Detox  4= Transitional Support Services/TSS  5= Clinical Stabilization Services/CSS-CMID  6= Residential Treatment  7= Outpatient SA Counseling  8= Medication Assisted Treatment  9= Drunk Driving Program  10= Acupuncture  11= Gambling Program  14= Sober House  16= New Recovery Support Center  17= Second Offender Aftercare  18= Family Intervention Programs  19= Other Substance Abuse Treatment  20= Health Care Professional, Hospital  21= Emergency Room  22= HIV/AIDS Program  23= Needle Exchange Program  26= Mental Health Care Professional  30= School Personnel, School System/College  31= Recovery High School  40= Supervisor/employee Counselor  50= Shelter  51= Community or Religious Organization  59= Drug Court  64= Prerelease, Legal Aid, Police  68= Office of the Commissioner of Probation  69= Massachusetts Parole Board  70= Dept. of Youth Services  71= Dept. of Children and Families  72= Dept. of Mental Health  73= Dept. of Developmental Services  74= Dept. of Public Health  75= Dept. of Transitional Assistance  76= Dept. of Early Education and Care  77= Mass. Rehab. Commission  78= Mass. Commission for the Blind  79= Mass. Comm. For Deaf & Hard of Hearing  80= Other State Agency  81= Division of Medical Assistance/MassHealth  99= Unknown  Note: if missing, question was left blank during assessment | num |
| Mat\_dis\_6h | Housing | 0= Not Provided  1= Provided by Your Agency  2= Provided by Another Agency  3= Provided by Both Your Agency and Another Agency  88= Unknown  Note: if missing, question was left blank during assessment | num |
| Mat\_dis\_6n | English as a 2nd language | 0= Not Provided  1= Provided by Your Agency  2= Provided by Another Agency  3= Provided by Both Your Agency and Another Agency  88= Unknown  Note: if missing, question was left blank during assessment | num |
| Mat\_dis\_6q | Prenatal care | 0= Not Provided  1= Provided by Your Agency  2= Provided by Another Agency  3= Provided by Both Your Agency and Another Agency  88= Unknown  Note: if missing, question was left blank during assessment | num |
| mat\_dis\_6r | Post-partum care | 0= Not Provided  1= Provided by Your Agency  2= Provided by Another Agency  3= Provided by Both Your Agency and Another Agency  88= Unknown  Note: if missing, question was left blank during assessment | num |
| mat\_dis\_6s | Medication for withdrawal | 0= Not Provided  1= Provided by Your Agency  2= Provided by Another Agency  3= Provided by Both Your Agency and Another Agency  88= Unknown  Note: if missing, question was left blank during assessment | num |
| mat\_dis\_7\_1 | Currently receiving services from a state agency: Check all that apply  None | 1= Yes  0= No  88= Unknown  99= Refused | num |
| mat\_dis\_7\_2 | Currently receiving services from a state agency: Check all that apply  DCF: Dept Children and Families | 1= Yes  0= No  88= Unknown  99= Refused | num |
| mat\_dis\_7\_3 | Currently receiving services from a state agency: Check all that apply  DYS: Dept Youth Services | 1= Yes  0= No  88= Unknown  99= Refused | num |
| mat\_dis\_7\_4 | Currently receiving services from a state agency: Check all that apply  MPB: Parole | 1= Yes  0= No  88= Unknown  99= Refused | num |
| mat\_dis\_7\_5 | Currently receiving services from a state agency: Check all that apply  OCP: Probation | 1= Yes  0= No  88= Unknown  99= Refused | num |
| mat\_dis\_7\_6 | Currently receiving services from a state agency: Check all that apply  DMH: Dept Mental Hlth | 1= Yes  0= No  88= Unknown  99= Refused | num |
| mat\_dis\_7\_7 | Currently receiving services from a state agency: Check all that apply  DDS: Dept Developmental Srvs | 1= Yes  0= No  88= Unknown  99= Refused | num |
| mat\_dis\_7\_8 | Currently receiving services from a state agency: Check all that apply  DPH: e.g. HIV, WIC not BSAS | 1= Yes  0= No  88= Unknown  99= Refused | num |
| mat\_dis\_7\_9 | Currently receiving services from a state agency: Check all that apply  DTA: food stamps, TANF | 1= Yes  0= No  88= Unknown  99= Refused | num |
| mat\_dis\_7\_10 | Currently receiving services from a state agency: Check all that apply  DMA: MassHealth | 1= Yes  0= No  88= Unknown  99= Refused | num |
| mat\_dis\_7\_11 | Currently receiving services from a state agency: Check all that apply  MRC: Mass Rehab | 1= Yes  0= No  88= Unknown  99= Refused | num |
| mat\_dis\_7\_12 | Currently receiving services from a state agency: Check all that apply  MCB: Comm for the Blind | 1= Yes  0= No  88= Unknown  99= Refused | num |
| mat\_dis\_7\_13 | Currently receiving services from a state agency: Check all that apply  MCDHH: Comm Deaf & Hard of Hearing | 1= Yes  0= No  88= Unknown  99= Refused | num |
| mat\_dis\_7\_14 | Currently receiving services from a state agency: Check all that apply  Other | 1= Yes  0= No  88= Unknown  99= Refused | num |
| mat\_dis\_7\_88 | Currently receiving services from a state agency: Check all that apply  Unknown | 1= Yes  0= No  88= Unknown  99= Refused | num |
| mat\_dis\_7\_99 | Currently receiving services from a state agency: Check all that apply  Refused | 1= Yes  0= No  88= Unknown  99= Refused | num |
| mat\_dis\_8 | 8. Living arrangement at Disenrollment: | 1= House or apartment  2= Room/boarding or sober house  3= Institution  4= Group home/Treatment  5= Shelter/mission  6= On the streets  7= Foster Care  88= Unknown  99= Refused  Note: if missing, question was left blank during assessment | num |
| mat\_dis\_h1 | H1. Was the client homeless at Intake/Enrollment (whether or not chronic?) | 1= Yes  0= No  88= Unknown  99= Refused  Note: if missing, question was left blank during assessment | num |
| mat\_dis\_h2 | H2. Detailed living arrangement at Disenrollment (ONLY if [mat\_dis\_h1]=’1’) | 1= Emergency Shelter  2= Transitional Housing for Homeless  3= Permanent housing for formerly homeless  4= Psychiatric Hospital or Facility  5= Substance abuse/detox center  6= Hospital  7= Jail; Prison or Juvenile Facility  8= Don't know  9= Refused  10= Rental room/house/apartment  11= Apartment or House that you own.  12= Living With Family  13= Living With Friends  14= Hotel/Motel: no emergency shelter voucher  15= Foster care/group home  16= Place not meant for habitation  17= Other  Note: if missing, question was left blank during assessment | num |
| Mat\_dis\_h3 | H3. Permanence of living situation at disenrollment (ONLY if [mat\_dis\_h1}=’1’)  Note: there are values when this is NOT true | 1= Permanent  2= Transitional  99= Refused  88= Unknown  Note: if missing, question was left blank during assessment | num |
| Mat\_dis\_mtqas\_1 | 1.Does/Did client have a current prescription for opiate(s) upon leaving the DOC/HOC? | 1= Yes  0= No  88= Unknown  99= Refused  Note: if missing, question was left blank during assessment | num |
| Mat\_dis\_mtqas\_2 | 2. Does/did the client have a current prescription for Benzodiazepine(s) upon leaving the program? | 1= Yes  0= No  88= Unknown  99= Refused  Note: if missing, question was left blank during assessment | num |
| Mat\_dis\_mtqas\_3a\_screen | Urinalysis results received over the past 3 months not including client’s initial urine screen  Cocaine screens | (unknown = 88; refused = 99)  Note: if missing, question was left blank during assessment | num |
| Mat\_dis\_mtqas\_3a\_pos | Cocaine positives (ONLY if [mat\_dis\_mtqas\_3a\_screen >0)  Note: there are values when this is NOT true | (unknown = 88; refused = 99)  Note: if missing, question was left blank during assessment | num |
| Mat\_dis\_mtqas\_3b\_screen | Urinalysis results received over the past 3 months not including client’s initial urine screen  Opiates screens | (unknown = 88; refused = 99)  Note: if missing, question was left blank during assessment | num |
| Mat\_dis\_mtqas\_3b\_pos | Opiates positives (ONLY if [mat\_dis\_mtqas\_3b\_screen >0)  Note: there are values when this is NOT true | (unknown = 88; refused = 99)  Note: if missing, question was left blank during assessment | num |
| mat\_dis\_mtqas\_3c\_screen | Urinalysis results received over the past 3 months not including client’s initial urine screen  Methadone screens | (unknown = 88; refused = 99)  Note: if missing, question was left blank during assessment | num |
| mat\_dis\_mtqas\_3c\_pos | Methadone positives (ONLY if [mat\_dis\_mtqas\_3c\_screen >0)  Note: there are values when this is NOT true | (unknown = 88; refused = 99)  Note: if missing, question was left blank during assessment | num |
| mat\_dis\_mtqas\_3d\_screen | Urinalysis results received over the past 3 months not including client’s initial urine screen  Benzodiazepines screens | (unknown = 88; refused = 99)  Note: if missing, question was left blank during assessment | num |
| mat\_dis\_mtqas\_3d\_pos | Benzodiazepines positives (ONLY if [mat\_dis\_mtqas\_3d\_screen >0)  Note: there are values when this is NOT true | (unknown = 88; refused = 99)  Note: if missing, question was left blank during assessment | num |
| Mat\_dis\_mtqas\_3e\_screen | Urinalysis results received over the past 3 months not including client’s initial urine screen  Other drug screens | (unknown = 88; refused = 99)  Note: if missing, question was left blank during assessment | num |
| Mat\_dis\_mtqas\_3e\_pos | Other drug positives (ONLY if [mat\_dis\_mtqas\_3d\_screen >0)  Note: there are values when this is NOT true | (unknown = 88; refused = 99)  Note: if missing, question was left blank during assessment | num |
| mat\_dis\_mtqas\_4 | 4. Which medication-assisted treatment is the client currently using? | 1= Methadone  2= Buprenorphine  3= Naltrexone  88= Unknown  Note: if missing, question was left blank during assessment | num |
| mat\_dis\_mtqas\_4a | 4a. By what route is this medication between administered? (ONLY if [mat\_dis\_mtqas\_4] = ‘2’ or ‘1’  Note: there are values when this is NOT true | 1= Oral  2= Injection  3= Patch  4= Implant  88= Unknown  Note: if missing, question was left blank during assessment | num |
| mat\_dis\_mtqas\_5a | 5a. Client’s last dose before disenrollment (mg)? (ONLY if [mat\_dis\_mtqas\_4] = ‘2’ or ‘1’  Note: there are values when this is NOT true | 888= Unknown  Note: if missing, question was left blank during assessment | num |
| mat\_dis\_mtqas\_6 | 6. In what phase of treatment was the client? | 0= Assessment  1= Active treatment  2= Stabilization treatment  3= Medically supervised withdrawal  4= Medical maintenance  88= Unknown  Note: if missing, question was left blank during assessment | num |

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# BSAS MOUD Enrollment (PHDBSAS.HOCMOUD)

| **Variable** | **Variable Description** | **Meta Data** | **Format** |
| --- | --- | --- | --- |
| ID | Project Specific ID | 9 character alphanumeric ID | char |
| Match\_level\_hocmoud | CHIA Match level | 1= These are CHIA members that received a high score against the DPH input record. This group includes those that matched all elements of the DPH input record and those that had only one element mismatch. The group 1 individual match determination has been optimized based upon the input elements and their overall weight.  2= This group contains members within the APCD that received a lower score against the DPH input record yet are considered possible matches. Candidates in this group could match on as little as SSN or date of birth and zip code. These candidates are included for completeness | num |
| Enroll\_date | Enrollment date | Date Proxy: Count of days between enrollment date and a random date in the past  NOTE: The larger the date proxy, the more recently the event occurred | date |
| enroll\_month | Enrollment month | Months, 1-12 | num |
| enroll\_year | Enrollment year | Years, YYYY format | num |
| enroll\_age | Age at enrollment | Age in years | num |
| enroll\_county | County | 1= Berkshire  2= Bristol  3= Essex  4= Franklin  5= Hampden  6= Hampshire  7= Middlesex  8= Norfolk  9= Suffolk | num |
| mat\_enrol\_a5 | Gender | 1= Male  2= Female  3= Transgender | num |
| Mat\_enrol\_a6 | Date of jail/HOC entry | Date Proxy: Count of days between entry date and a random date in the past  NOTE: The larger the date proxy, the more recently the event occurred | date |
| mat\_enrol\_a6\_month | Jail entry month | Months, 1-12 | num |
| mat\_enrol\_a6\_year | Jail entry year | Years, YYYY format | num |
| mat\_enrol\_a6\_age | Age at jail entry | Age in years | num |
| mat\_enrol\_a7 | HOC facility where individual is currently detained: | 1= Essex - Middleton House of Correction (Main Institution)  2= Essex - Pre-release and Re-entry Center  3= Essex - Women in Transition  4= Franklin - Jail and House of Correction (Main Institution)  5= Hampden - All Inclusive Support Services (AISS)  6= Hampden - Correctional Center (Main Institution)  7= Hampden - Pre-Release Center  8= Hampden - Stonybrook Stabilization and Treatment Centers  9= Hampden - Western Massachusetts Recovery and Wellness Center  10= Hampden - Western Massachusetts Regional Women's Correctional Center  11= Hampshire - Jail and House of Correction (Main Institution)  12= Middlesex - Jail & House of Correction (Main Institution)  13= Norfolk - Jail and House of Correction  14= Suffolk - South Bay House of Correction (Main Institution)  15= Suffolk County - Nashua Street Jail  16= Bristol County House Of Correction and Jail | num |
| mat\_enrol\_3 | Is this assessment occurring in the client's pre-release period?  (The pre-release period tor HOCs is 30 days before release. The pre-release period for DOCs is 90 days before release.) | 1= Yes  0= No  88= Unknown  99= Refused  Note: if missing, question was left blank during assessment | num |
| Mat\_enrol\_4 | What is the client’s current adjudication status? | 1. Pre-trial  2. Sentenced  3. Safekeep  4. Regional lockup  88. Unknown  99. Refused | num |
| Mat\_enrol\_5 | Do you own or rent a house, apartment, or room? | 1= Yes  0= No  88= Unknown  99= Refused  Note: if missing, question was left blank during assessment | num |
| Mat\_enrol\_5a | Are you chronically homeless (HUD definition)  (ONLY if [mat\_enrol\_5] = ‘0’)  \*Please note, there are values even when this is not true | 1= Yes  0= No  88= Unknown  99= Refused  Note: if missing, question was left blank during assessment | num |
| Mat\_enrol\_6 | Zip code of Last Permanent Address | 5-digit zip code  99999=Refused  88888 = Unknown  Note: if missing, question was left blank during assessment | num |
| Mat\_enrol\_7 | Do you consider yourself to be transgender? | 1= Yes  0= No  88= Unknown  99= Refused  Note: if missing, question was left blank during assessment | num |
| Mat\_enrol\_7a | Please specify: (ONLY if [mat\_enrol\_7] = ‘1’) | 1= Male to Female  2= Female to Male  3= Other  88= Unknown  99= Refused  Note: if missing, question was left blank during assessment | num |
| Mat\_enrol\_8 | Do you consider yourself to be: | 1= Heterosexual  2= Gay/Lesbian  3= Bisexual  4= Other  88= Unknown  99= Refused  Note: if missing, question was left blank during assessment | num |
| Mat\_enrol\_9 | Number of days between entry into current DOC/HOC and enrollment on Medication Assisted Treatment | 88= Unknown  99= Refused | num |
| Mat\_enrol\_11b | Pregnant | 1= Yes  0= No  88= Unknown  99= Refused  Note: if missing, question was left blank during assessment | num |
| Mat\_enrol\_11c | Postpartum | 1= Yes  0= No  88= Unknown  99= Refused  Note: if missing, question was left blank during assessment | num |
| Mat\_enrol\_11d | Veteran/Any military service | 1= Yes  0= No  88= Unknown  99= Refused  Note: if missing, question was left blank during assessment | num |
| Mat\_enrol\_11e | Prison | 1= Yes  0= No  88= Unknown  99= Refused  Note: if missing, question was left blank during assessment | num |
| Mat\_enrol\_11f | Probation | 1= Yes  0= No  88= Unknown  99= Refused  Note: if missing, question was left blank during assessment | num |
| Mat\_enrol\_11g | Parole | 1= Yes  0= No  88= Unknown  99= Refused  Note: if missing, question was left blank during assessment | num |
| Mat\_enrol\_11h | Federal probation | 1= Yes  0= No  88= Unknown  99= Refused  Note: if missing, question was left blank during assessment | num |
| Mat\_enrol\_11i | Federal parole | 1= Yes  0= No  88= Unknown  99= Refused  Note: if missing, question was left blank during assessment | num |
| Mat\_enrol\_12 | Do you have children? | 1= Yes  0= No  88= Unknown  99= Refused  Note: if missing, question was left blank during assessment | num |
| Mat\_enrol\_13 | Are you the primary caregiver for any children? | 1= Yes  0= No  88= Unknown  99= Refused  Note: if missing, question was left blank during assessment | num |
| Mat\_enrol\_14 | Number of days worked in the past 30? | 88= Unknown  99= Refused  Note: if missing, question was left blank during assessment | num |
| Mat\_enrol\_15 | Where do you usually live? (Where has client spent/slept most of the time over the last 12 months?) | 1= House or Apartment  2= Room/boarding or sober house  3= Institution  4= Group home/treatment  5= Shelter/mission  6= On the streets  7= Foster Care  88= Unknown  99= Refusedy  Note: if missing, question was left blank during assessment | num |
| mat\_enrol\_16\_1 | Who do you live with? (Check all that apply)  Alone | 0=No  1=Yes | num |
| mat\_enrol\_16\_2 | Who do you live with? (Check all that apply)  Child under 6 | 0=No  1=Yes | num |
| mat\_enrol\_16\_3 | Who do you live with? (Check all that apply)  Child 6-18 | 0=No  1=Yes | num |
| mat\_enrol\_16\_4 | Who do you live with? (Check all that apply)  Child over 18 | 0=No  1=Yes | num |
| mat\_enrol\_16\_5 | Who do you live with? (Check all that apply)  Spouse/Equivalent | 0=No  1=Yes | num |
| mat\_enrol\_16\_6 | Who do you live with? (Check all that apply)  Parents | 0=No  1=Yes | num |
| mat\_enrol\_16\_7 | Who do you live with? (Check all that apply)  Other Relative | 0=No  1=Yes | num |
| mat\_enrol\_16\_8 | Who do you live with? (Check all that apply)  Roommate/Friend | 0=No  1=Yes | num |
| mat\_enrol\_16\_88 | Who do you live with? (Check all that apply)  Unknown | 0=No  1=Yes | num |
| mat\_enrol\_16\_99 | Who do you live with? (Check all that apply)  Refused | 0=No  1=Yes | num |
| mat\_enrol\_17\_1 | Use of mobility aid  None | 0=No  1=Yes | num |
| mat\_enrol\_17\_2 | Use of mobility aid  Crutches | 0=No  1=Yes | num |
| mat\_enrol\_17\_3 | Use of mobility aid  Walker | 0=No  1=Yes | num |
| mat\_enrol\_17\_4 | Use of mobility aid  Manual Wheelchair | 0=No  1=Yes | num |
| mat\_enrol\_17\_5 | Use of mobility aid  Electric Wheelchair | 0=No  1=Yes | num |
| mat\_enrol\_17\_88 | Use of mobility aid  Unknown | 0=No  1=Yes | num |
| mat\_enrol\_17\_99 | Use of mobility aid  Refused | 0=No  1=Yes | num |
| Mat\_enrol\_18 | Vision impairment | 0= None: Normal Vision  1= Slight: vision can be or is corrected with glasses/lenses  2= Moderate: "Legally blind" but having some minimal vision  3= Severe: No usable vision  88= Unknown  99= Refused  Note: if missing, question was left blank during assessment | num |
| Mat\_enrol\_19 | Hearing impairment | 0= None: Normal hearing requiring no correction  1= Slight: Hearing is or can be adequately corrected with amplification (eg hearing aid)  2= Moderate: Hard of hearing, even with amplification  3= Severe: Profound deafness  88= Unknown  99= Refused  Note: if missing, question was left blank during assessment | num |
| Mat\_enrol\_20 | SelfCare/ADL impairment | 0= None: No problem accomplishing ADL skills such as bathing, dressing and other self-care  1= Slight: Uses adaptive device(s) and/or takes additional time to accomplish ADL but does not require attendant  2= Moderate: Needs personal attendant up to 20 hours a week for ADL  3= Severe: Requires personal attendant for over 20 hours a week for ADL  88= Unknown  99= Refused  Note: if missing, question was left blank during assessment | num |
| Mat\_enrol\_21 | Developmental disability | 0= None  1= Slight developmental disability  2= Moderate developmental disability  3= Severe developmental disability  88= Unknown  99= Refused  Note: if missing, question was left blank during assessment | num |
| Mat\_enrol\_22 | Prior mental health treatment | 0= No history  1= Counseling  2= One hospitalization  3= More than one hospitalization  88= Unknown  99= Refused  Note: if missing, question was left blank during assessment | num |
| Mat\_enrol\_23 | During the past 12 months, did you take any prescription medication that was prescribed to you to treat a mental or emotional condition? | 1= Yes  0= No  88= Unknown  99= Refused  Note: if missing, question was left blank during assessment | num |
| mat\_enrol\_24a | *Number of prior admissions to each substance abuse treatment modality (Do not count this tx. episode)*  *Detox* | 0= 0  1= 1  2= 2  3= 3  4= 4  5= 5 or more  88= Unknown  99= Refused  Note: if missing, question was left blank during assessment | num |
| Mat\_enrol\_24b | *Number of prior admissions to each substance abuse treatment modality (Do not count this tx.*  *Residential* | 0= 0  1= 1  2= 2  3= 3  4= 4  5= 5 or more  88= Unknown  99= Refused  Note: if missing, question was left blank during assessment | num |
| Mat\_enrol\_24d | *Number of prior admissions to each substance abuse treatment modality (Do not count this tx.*  Opioid | 0= 0  1= 1  2= 2  3= 3  4= 4  5= 5 or more  88= Unknown  99= Refused  Note: if missing, question was left blank during assessment | num |
| Mat\_enrol\_24e | *Number of prior admissions to each substance abuse treatment modality (Do not count this tx.*  Drunk Driver | 0= 0  1= 1  2= 2  3= 3  4= 4  5= 5 or more  88= Unknown  99= Refused  Note: if missing, question was left blank during assessment | num |
| Mat\_enrol\_24f | *Number of prior admissions to each substance abuse treatment modality (Do not count this tx.)*  Section 35 | 0= 0  1= 1  2= 2  3= 3  4= 4  5= 5 or more  88= Unknown  99= Refused  Note: if missing, question was left blank during assessment | num |
| Mat\_enrol\_24g | *Number of prior admissions to each substance abuse treatment modality (Do not count this tx.)*  Other | 0= 0  1= 1  2= 2  3= 3  4= 4  5= 5 or more  88= Unknown  99= Refused  Note: if missing, question was left blank during assessment | num |
| mat\_enrol\_25\_1 | Currently receiving services from a state agency (Check all that apply)  None | 0=No  1=Yes | num |
| mat\_enrol\_25\_2 | Currently receiving services from a state agency (Check all that apply)  DCF children and families | 0=No  1=Yes | num |
| mat\_enrol\_25\_3 | Currently receiving services from a state agency (Check all that apply)  DYS youth services | 0=No  1=Yes | num |
| mat\_enrol\_25\_4 | Currently receiving services from a state agency (Check all that apply)  DMH client has a case mgr | 0=No  1=Yes | Num |
| mat\_enrol\_25\_5 | Currently receiving services from a state agency (Check all that apply)  DDS developmental disabilities | 0=No  1=Yes | Num |
| mat\_enrol\_25\_6 | Currently receiving services from a state agency (Check all that apply)  DPH e.g. HIV/STD; not BSAS | 0=No  1=Yes | Num |
| mat\_enrol\_25\_7 | Currently receiving services from a state agency (Check all that apply)  DTA e.g. food stamps | 0=No  1=Yes | num |
| mat\_enrol\_25\_8 | Currently receiving services from a state agency (Check all that apply)  MRC Rehabilitation Commission | 0=No  1=Yes | Num |
| mat\_enrol\_25\_9 | Currently receiving services from a state agency (Check all that apply)  MCB services for the blind | 0=No  1=Yes | Num |
| mat\_enrol\_25\_10 | Currently receiving services from a state agency (Check all that apply)  MCDHH services for Deaf and Hard of Hearing | 0=No  1=Yes | Num |
| mat\_enrol\_25\_11 | Currently receiving services from a state agency (Check all that apply)  Other | 0=No  1=Yes | Num |
| mat\_enrol\_25\_88 | Currently receiving services from a state agency (Check all that apply)  Unknown | 0=No  1=Yes | Num |
| mat\_enrol\_25\_99 | Currently receiving services from a state agency (Check all that apply)  Refused | 0=No  1=Yes | Num |
| Mat\_enrol\_26 | Number of arrests in past 30 days | 0-99  (unknown = 888; refused = 999)  Note: if missing, question was left blank during assessment | num |
| Mat\_enrol\_27a1 | Section header: 27 history of substance use: have you ever used A. Alcohol | 1= Yes  0= No  88= Unknown  99= Refused  Note: if missing, question was left blank during assessment | num |
| Mat\_enrol\_27a2 | B. Cocaine | 1= Yes  0= No  88= Unknown  99= Refused  Note: if missing, question was left blank during assessment | num |
| Mat\_enrol\_27a3 | C. Crack | 1= Yes  0= No  88= Unknown  99= Refused  Note: if missing, question was left blank during assessment | num |
| Mat\_enrol\_27a4 | D. Marijuana/ Hashish | 1= Yes  0= No  88= Unknown  99= Refused  Note: if missing, question was left blank during assessment | Num |
| Mat\_enrol\_27a5 | E. Heroin | 1= Yes  0= No  88= Unknown  99= Refused  Note: if missing, question was left blank during assessment | num |
| Mat\_enrol\_27a6 | F. Prescribed Opiates Misuse/non-medical use of pharmaceutical opiates which were prescribed for the client. | 1= Yes  0= No  88= Unknown  99= Refused  Note: if missing, question was left blank during assessment | num |
| Mat\_enrol\_27a7 | G. Non-prescribed Opiates Non-medical use of pharmaceutical opiates which were not prescribed for the client | 1= Yes  0= No  88= Unknown  99= Refused  Note: if missing, question was left blank during assessment | num |
| Mat\_enrol\_27a8 | H. PCP | 1= Yes  0= No  88= Unknown  99= Refused  Note: if missing, question was left blank during assessment | num |
| Mat\_enrol\_27a9 | I. Other hallucinogens | 1= Yes  0= No  88= Unknown  99= Refused  Note: if missing, question was left blank during assessment | num |
| Mat\_enrol\_27a10 | J. Methamphetamine | 1= Yes  0= No  88= Unknown  99= Refused  Note: if missing, question was left blank during assessment | num |
| Mat\_enrol\_27a11 | K. Other Amphetamines | 1= Yes  0= No  88= Unknown  99= Refused  Note: if missing, question was left blank during assessment | num |
| Mat\_enrol\_27a12 | L. Other Stimulants | 1= Yes  0= No  88= Unknown  99= Refused  Note: if missing, question was left blank during assessment | num |
| Mat\_enrol\_27a13 | M. Benzodiazepines | 1= Yes  0= No  88= Unknown  99= Refused  Note: if missing, question was left blank during assessment | num |
| Mat\_enrol\_27a14 | N. Other tranquilizers | 1= Yes  0= No  88= Unknown  99= Refused  Note: if missing, question was left blank during assessment | num |
| Mat\_enrol\_27a15 | O. Barbiturates | 1= Yes  0= No  88= Unknown  99= Refused  Note: if missing, question was left blank during assessment | num |
| Mat\_enrol\_27a16 | P. Other Sedatives / Hypnotics | 1= Yes  0= No  88= Unknown  99= Refused  Note: if missing, question was left blank during assessment | num |
| Mat\_enrol\_27a17 | Q. Inhalants | 1= Yes  0= No  88= Unknown  99= Refused  Note: if missing, question was left blank during assessment | num |
| Mat\_enrol\_27a18 | R. Over the counter | 1= Yes  0= No  88= Unknown  99= Refused  Note: if missing, question was left blank during assessment | num |
| Mat\_enrol\_27a19 | S. Club Drugs | 1= Yes  0= No  88= Unknown  99= Refused  Note: if missing, question was left blank during assessment | num |
| Mat\_enrol\_27a20 | U. Other | 1= Yes  0= No  88= Unknown  99= Refused  Note: if missing, question was left blank during assessment | num |
| Mat\_enrol\_27a22 | V. Fentanyl | 1= Yes  0= No  88= Unknown  99= Refused  Note: if missing, question was left blank during assessment | num |
| Mat\_enrol\_27a21 | Z. K2/Spice or Other synthetic marijuana | 1= Yes  0= No  88= Unknown  99= Refused  Note: if missing, question was left blank during assessment | num |
| Mat\_enrol\_27e1 | History of substance use: route of admin code (ONLY if [mat\_enrol\_27a1] = 1)  Alcohol  \*Please note, there are values even when this is not true | 1= Oral  2= Smoking  3= Inhalation  4= Injection  5= Other  6= Electronic Devices/Vaping  88= Unknown  99= Refused  Note: if missing, question was left blank during assessment | num |
| Mat\_enrol\_27e2 | History of substance use: route of admin code (ONLY if [mat\_enrol\_27a2] = 1)  Cocaine | 1= Oral  2= Smoking  3= Inhalation  4= Injection  5= Other  6= Electronic Devices/Vaping  88= Unknown  99= Refused  Note: if missing, question was left blank during assessment | num |
| Mat\_enrol\_27e3 | History of substance use: route of admin code (ONLY if [mat\_enrol\_27a3] = 1)  Crack | 1= Oral  2= Smoking  3= Inhalation  4= Injection  5= Other  6= Electronic Devices/Vaping  88= Unknown  99= Refused  Note: if missing, question was left blank during assessment | num |
| Mat\_enrol\_27e4 | History of substance use: route of admin code (ONLY if [mat\_enrol\_27a4] = 1)  Marijuana / Hashish  \*Please note, there are values even when this is not true | 1= Oral  2= Smoking  3= Inhalation  4= Injection  5= Other  6= Electronic Devices/Vaping  88= Unknown  99= Refused | num |
| Mat\_enrol\_27e5 | History of substance use : route of admin code (ONLY if [mat\_enrol\_27a5] = 1)  Heroin | 1= Oral  2= Smoking  3= Inhalation  4= Injection  5= Other  6= Electronic Devices/Vaping  88= Unknown  99= Refused | num |
| Mat\_enrol\_27e6 | History of substance use: route of admin code (ONLY if [mat\_enrol\_27a6] = 1)  Prescribed opiates | 1= Oral  2= Smoking  3= Inhalation  4= Injection  5= Other  6= Electronic Devices/Vaping  88= Unknown  99= Refused | num |
| Mat\_enrol\_27e7 | History of substance use: route of admin code (ONLY if [mat\_enrol\_27a7] = 1)  Non-prescribed opiates | 1= Oral  2= Smoking  3= Inhalation  4= Injection  5= Other  6= Electronic Devices/Vaping  88= Unknown  99= Refused | num |
| Mat\_enrol\_27e8 | History of substance use: route of admin code (ONLY if [mat\_enrol\_27a8] = 1)  PCP | 1= Oral  2= Smoking  3= Inhalation  4= Injection  5= Other  6= Electronic Devices/Vaping  88= Unknown  99= Refused | num |
| Mat\_enrol\_27e9 | History of substance use: route of admin code (ONLY if [mat\_enrol\_27a9] = 1)  Other hallucinogens | 1= Oral  2= Smoking  3= Inhalation  4= Injection  5= Other  6= Electronic Devices/Vaping  88= Unknown  99= Refused | num |
| Mat\_enrol\_27e10 | History of substance use: route of admin code (ONLY if [mat\_enrol\_27a10] = 1)  Methamphetamine | 1= Oral  2= Smoking  3= Inhalation  4= Injection  5= Other  6= Electronic Devices/Vaping  88= Unknown  99= Refused | num |
| Mat\_enrol\_27e11 | History of substance use: route of admin code (ONLY if [mat\_enrol\_27a11] = 1)  Other Amphetamines | 1= Oral  2= Smoking  3= Inhalation  4= Injection  5= Other  6= Electronic Devices/Vaping  88= Unknown  99= Refused  Note: if missing, question was left blank during assessment | num |
| Mat\_enrol\_27e12 | History of substance use: route of admin code (ONLY if [mat\_enrol\_27a12] = 1)  Other stimulants | 1= Oral  2= Smoking  3= Inhalation  4= Injection  5= Other  6= Electronic Devices/Vaping  88= Unknown  99= Refused  Note: if missing, question was left blank during assessment | num |
| Mat\_enrol\_27e14 | History of substance use: route of admin code (ONLY if [mat\_enrol\_27a14] = 1)  Other tranquilizers | 1= Oral  2= Smoking  3= Inhalation  4= Injection  5= Other  6= Electronic Devices/Vaping  88= Unknown  99= Refused  Note: if missing, question was left blank during assessment | num |
| Mat\_enrol\_27e15 | History of substance use: route of admin code (ONLY if [mat\_enrol\_27a15] = 1)  Barbiturates | 1= Oral  2= Smoking  3= Inhalation  4= Injection  5= Other  6= Electronic Devices/Vaping  88= Unknown  99= Refused  Note: if missing, question was left blank during assessment | num |
| Mat\_enrol\_27e16 | History of substance use: route of admin code (ONLY if [mat\_enrol\_27a16] = 1)  Other Sedatives / Hypnotics | 1= Oral  2= Smoking  3= Inhalation  4= Injection  5= Other  6= Electronic Devices/Vaping  88= Unknown  99= Refused  Note: if missing, question was left blank during assessment | num |
| Mat\_enrol\_27e17 | History of substance use: route of admin code (ONLY if [mat\_enrol\_27a17] = 1)  Inhalants | 1= Oral  2= Smoking  3= Inhalation  4= Injection  5= Other  6= Electronic Devices/Vaping  88= Unknown  99= Refused  Note: if missing, question was left blank during assessment | num |
| Mat\_enrol\_27e18 | History of substance use: route of admin code (ONLY if [mat\_enrol\_27a18] = 1)  Over the Counter | 1= Oral  2= Smoking  3= Inhalation  4= Injection  5= Other  6= Electronic Devices/Vaping  88= Unknown  99= Refused  Note: if missing, question was left blank during assessment | num |
| Mat\_enrol\_27e19 | History of substance use: route of admin code (ONLY if [mat\_enrol\_27a19] = 1)  Club drugs | 1= Oral  2= Smoking  3= Inhalation  4= Injection  5= Other  6= Electronic Devices/Vaping  88= Unknown  99= Refused  Note: if missing, question was left blank during assessment | num |
| Mat\_enrol\_27e20 | History of substance use: route of admin code (ONLY if [mat\_enrol\_27a20] = 1)  Other | 1= Oral  2= Smoking  3= Inhalation  4= Injection  5= Other  6= Electronic Devices/Vaping  88= Unknown  99= Refused  Note: if missing, question was left blank during assessment | num |
| Mat\_enrol\_27e22 | History of substance use: route of admin code (ONLY if [mat\_enrol\_27a22] = 1)  Fentanyl | 1= Oral  2= Smoking  3= Inhalation  4= Injection  5= Other  6= Electronic Devices/Vaping  88= Unknown  99= Refused  Note: if missing, question was left blank during assessment | num |
| Mat\_enrol\_27e21 | History of substance use: route of admin code (ONLY if [mat\_enrol\_27a21] = 1)  K2/Spice or Other Synthetic Marijuana | 1= Oral  2= Smoking  3= Inhalation  4= Injection  5= Other  6= Electronic Devices/Vaping  88= Unknown  99= Refused  Note: if missing, question was left blank during assessment | num |
| Mat\_enrol\_28a | Rank Substances – Primary substance | 1= A: Alcohol  2= B: Cocaine  3= C: Crack  4= D: Marijuana / Hashish  5= E: Heroin  6= F: Prescribed Opiates  7= G: Non-prescribed Opiates  8= H: PCP  9= I: Other Hallucinogens  10= J: Methamphetamine  11= K: Other Amphetamines  12= L: Other Stimulants  13= M: Benzodiazepines  14= N: Other Tranquillizers  15= O: Barbiturates  16= P: Other Sedatives / Hypnotics  17= Q: Inhalants  18= R: Over the Counter  19= S: Club Drugs  20= U: Other  22= V: Fentanyl  21= Z: K2/Spice or Other Synthetic Marijuana  88= Unknown  99= Refused  Note: if missing, question was left blank during assessment | num |
| Mat\_enrol\_28b | Rank substances – secondary substance | 1= A: Alcohol  2= B: Cocaine  3= C: Crack  4= D: Marijuana / Hashish  5= E: Heroin  6= F: Prescribed Opiates  7= G: Non-prescribed Opiates  8= H: PCP  9= I: Other Hallucinogens  10= J: Methamphetamine  11= K: Other Amphetamines  12= L: Other Stimulants  13= M: Benzodiazepines  14= N: Other Tranquillizers  15= O: Barbiturates  16= P: Other Sedatives / Hypnotics  17= Q: Inhalants  18= R: Over the Counter  19= S: Club Drugs  20= U: Other  22= V: Fentanyl  21= Z: K2/Spice or Other Synthetic Marijuana  88= Unknown  99= Refused  Note: if missing, question was left blank during assessment | num |
| Mat\_enrol\_28c | Rank substances – tertiary substance | 1= A: Alcohol  2= B: Cocaine  3= C: Crack  4= D: Marijuana / Hashish  5= E: Heroin  6= F: Prescribed Opiates  7= G: Non-prescribed Opiates  8= H: PCP  9= I: Other Hallucinogens  10= J: Methamphetamine  11= K: Other Amphetamines  12= L: Other Stimulants  13= M: Benzodiazepines  14= N: Other Tranquillizers  15= O: Barbiturates  16= P: Other Sedatives / Hypnotics  17= Q: Inhalants  18= R: Over the Counter  19= S: Club Drugs  20= U: Other  22= V: Fentanyl  21= Z: K2/Spice or Other Synthetic Marijuana  88= Unknown  99= Refused  Note: if missing, question was left blank during assessment | num |
| Mat\_enrol\_29 | Have you had any overdoses in your lifetime? | 1= Yes  0= No  88= Unknown  99= Refused  Note: if missing, question was left blank during assessment | num |
| Mat\_enrol\_29a | How many overdoses have you had in your lifetime? | (unknown = 888; refused = 999)  Note: if missing, question was left blank during assessment | num |
| Mat\_enrol\_29b | How many overdoses have you had in the past year? | (unknown = 888; refused = 999)  Note: if missing, question was left blank during assessment | num |
| Mat\_enrol\_otp\_1 | At the time of your entry into this DOC/HOC, were you receiving methadone treatment? | 1= Yes  0= No  88= Unknown  99= Refused  Note: if missing, question was left blank during assessment | num |
| Mat\_enrol\_otp\_1a | At the time of your entry into this DOC/HOC, were you receiving a prescription for buprenorphine or naltrexone? (ONLY if: [mat\_enrol\_otp\_1] = '0' or [ma t\_enrol\_otp\_1] = '88' or [mat\_ enrol\_otp\_1] = '99')  \*Please note, there are values even when this is not true | 1= Yes  0= No  88= Unknown  99= Refused  Note: if missing, question was left blank during assessment | num |
| mat\_enrol\_otp\_1b | 1b. If yes, select the medication prescribed. (ONLY if: [mat\_enrol\_otp\_1a] = 1')  \*Please note, there are values even when this is not true | 1= Buprenorphine (e.g. Suboxone)  2= Naltrexone (e.g. Vivitrol)  88= Unknown  99= Refused  Note: if missing, question was left blank during assessment | num |
| mat\_enrol\_otp\_1c | 1c. By what route was this medication being administered?  (ONLY if: [mat\_enrol\_otp\_1a]=1'  \*Please note, there are values even when this is not true | 1= Oral  2= Injection  3= Patch  4= Implant  88= Unknown  99= Refused  Note: if missing, question was left blank during assessment | num |
| mat\_enrol\_otp\_1d | 1d. Is this prescription for alcohol use disorder, opioid use disorder, or both? (ONLY if: [mat\_enrol\_otp\_1a] = '1')  \*Please note, there are values even when this is not true | 1= Alcohol use disorder  2= Opioid use disorder  3= Both  88= Unknown  99= Refused  Note: if missing, question was left blank during assessment | num |
| mat\_enrol\_otp\_2 | Which medication are you receiving for your Opioid Use Disorder as a result of this enrollment? | 1= Methadone  2= Buprenorphine (e.g. Suboxone)  3= Naltrexone (Vivitrol) | num |
| mat\_enrol\_otp2a | 2a. By what route is this medication being administered  (ONLY if:  [mat\_enrol\_otp\_2] = '2' or [ma t\_enrol\_otp\_2] = '3')  \*Please note, there are values even when this is not true | 1= Oral  2= Injection  3= Patch  4= Implant  Note: if missing, question was left blank during assessment | num |
| mat\_enrol\_otp\_3 | Is this medication being administered for maintenance or withdrawal management? | 1= Maintenance  2= Withdrawal Management (e.g. detoxification)  88= Unknown  99= Refused  Note: if missing, question was left blank during assessment | num |
| mat\_enrol\_otp\_4 | Is the medication type or route of administration at this enrollment different from the type or route of administration at entry into this DOC/HOC? | 1= Yes  0= No  88= Unknown  99= Refused  Note: if missing, question was left blank during assessment | num |
| mat\_enrol\_otp\_4a | If Yes, what was the primary reason why the medication type or route of administration was changed? (ONLY if: [mat\_enrol\_otp\_4] = '1') | 1= Client voluntarily initiated change  2= Qualified addiction specialist initiated change  3= Prior Medication type/route at entry not offered at this facility  88= Unknown  99= Refused  Note: if missing, question was left blank during assessment | num |
| mat\_enrol\_otp\_5 | Number of arrests in lifetime: | (unknown = 888; refused = 999)  Note: if missing, question was left blank during assessment | num |
| Mat\_enrol\_otp\_6 | Frequency of injected drug use in the past 12 months | 1= No Use  2= Less than once per month  3= 1-3 times per month  4= 1-2 times per week  5= 3-6 times per week  6= Daily  88= Unknown  99= Refused  Note: if missing, question was left blank during assessment | num |
| Mat\_enrol\_otp\_7 | In general, how would you describe your current health? | 1= Excellent  2= Very Good  3= Good  4= Fair  5= Poor  88= Unknown  99= Refused  Note: if missing, question was left blank during assessment | num |
| Mat\_enrol\_otp\_8 | During the past 12 months, how much difficulty did you have doing your daily activities, both inside and outside the home, due to physical or emotional problems? | 1= None  2= A little bit  3= Some  4= Quite a bit  5= Unable to do daily activities  88= Unknown  99= Refused  Note: if missing, question was left blank during assessment | num |
| Mat\_enrol\_otp\_9 | During the past 12 months, how many nights were you hospitalized for physical problems? | (unknown = 888; refused = 999)  Note: if missing, question was left blank during assessment | num |
| Mat\_enrol\_otp\_10 | During the past 12 months, how many nights were you in a detox facility? | *(unknown = 888; refused = 999)*  Note: if missing, question was left blank during assessment | num |
| Mat\_enrol\_otp\_11 | During the past 12 months, how many visits to an emergency room and/or urgent care facility did you make? | *(Unknown = 888; Refused = 999)*  Note: if missing, question was left blank during assessment | num |
| Mat\_enrol\_otp\_15 | In the past 12 months, did you think about suicide? | 1= Yes  0= No  88= Unknown  99= Refused  Note: if missing, question was left blank during assessment | num |
| Mat\_enrol\_otp\_16 | In the past 12 months, did you attempt suicide? | 1= Yes  0= No  88= Unknown  99= Refused  Note: if missing, question was left blank during assessment | num |
| Mat\_enrol\_otp\_17 | How supportive would you say the people closest to you are of your seeking substance abuse treatment at this time? | 1= Not supportive or opposed  2= Not very supportive  3= Somewhat supportive  4= Very supportive  88= Unknown  99= Refused  Note: if missing, question was left blank during assessment | num |
| Mat\_enrol\_otp\_18 | Would you say that none of the people, a few of the people, or most of the people you are close to are currently abusing drugs? | 1= None  2= One or a few  3= Most  88= Unknown  99= Refused  Note: if missing, question was left blank during assessment | num |

BSAS MOUD Periodic (PHDBSAS.HOCMOUD\_Period)

| **Variable** | **Variable Description** | **Meta Data** | **Format** |
| --- | --- | --- | --- |
| ID | Project Specific ID | 9-character alphanumeric ID | char |
| Match\_level\_hocmoudperiod | CHIA Match level | 1= These are CHIA members that received a high score against the DPH input record. This group includes those that matched all elements of the DPH input record and those that had only one element mismatch. The group 1 individual match determination has been optimized based upon the input elements and their overall weight.  2= This group contains members within the APCD that received a lower score against the DPH input record yet are considered possible matches. Candidates in this group could match on as little as SSN or date of birth and zip code. These candidates are included for completeness | num |
| ­Period\_county | County where the assessment was performed | 1= Berkshire  2= Bristol  3=Essex  4= Franklin  5= Hampden  6= Hampshire  7= Middlesex  8= Norfolk  9= Suffolk | num |
| mat\_period\_1 | Date Collected | Date Proxy: Count of days between assessment date and a random date in the past  NOTE: The larger the date proxy, the more recently the event occurred  Note: if missing, the date collected was either not listed on assessment or was not possible | date |
| mat\_period\_1\_month | Date collected month | Months, 1-12  Note: if missing, the date collected was either not listed on assessment or was not possible | num |
| mat\_period\_1\_year | Date collected year | Years, YYYY format  Note: if missing, question was either left blank on assessment or date collected was not possible  Note: if missing, the date collected was either not listed on assessment or was not possible | num |
| mat\_period\_1\_age | Age at date collected | Age in years  Note: if missing, the date collected was either not listed on assessment or was not possible, or date of birth listed was not possible | num |
| mat\_period\_2 | In general, how would you describe your current health? | 1= Excellent  2= Very Good  3= Good  4= Fair  5= Poor  88= Unknown  99= Refused  Note: If missing, question was left blank during assessment | num |
| mat\_period\_3 | During the past 3 months, how much difficulty did you have doing your daily activities, both inside and outside the home, due to physical or emotional problems? | 1= None  2= A little bit  3= Some  4= Quite a bit  5= Unable to do daily activities  88= Unknown  99= Refused  Note: If missing, question was left blank during assessment | num |
| mat\_period\_4 | During the past 3 months, how many nights were you hospitalized for physical problems? | (888=Unknown; 999=Refused)  Note: If missing, question was left blank during assessment | num |
| mat\_period\_5 | How many overdoses have you had in the past three months? | (888=Unknown; 999=Refused)  Note: If missing, question was left blank during assessment | num |
| mat\_period\_6 | During the past 3 months, how many nights were you in a detox facility? | (888=Unknown; 999=Refused)  Note: If missing, question was left blank during assessment | num |
| mat\_period\_7 | During the past 3 months, how many visits to an emergency room and/or urgent care facility did you make? | (888=Unknown; 999=Refused)  Note: If missing, question was left blank during assessment | num |
| mat\_period\_9 | In the past 3 months, did you think about suicide? | 1= Yes  0= No  88= Unknown  99= Refused  Note: If missing, question was left blank during assessment | num |
| mat\_period\_10 | In the past 3 months, did you attempt suicide? | 1= Yes  0= No  88= Unknown  99= Refused  Note: If missing, question was left blank during assessment | num |
| mat\_period\_11 | In the past 3 months, how supportive would you say the people closest to you are of your seeking substance abuse treatment at this time? | 1= Not supportive or opposed  2= Not very supportive  3= Somewhat supportive  4= Very supportive  88= Unknown  99= Refused  Note: If missing, question was left blank during assessment | num |
| mat\_period\_12 | In the past 3 months, would you say that none of the people, a few of the people, or most of the people you are close to are currently abusing drugs? | 1= None  2= One or a few  3= Most  88= Unknown  99= Refused  Note: If missing, question was left blank during assessment | num |
| mat\_period\_13 | Does client have a current prescription for opiate(s)? | 1= Yes  0= No  88= Unknown | num |
| mat\_period\_14 | Does the client have a current prescription for Benzodiazepine(s)? | 1= Yes  0= No  88= Unknown  Note: If missing, question was left blank during assessment | num |
| mat\_period\_15a\_screen | Urinalysis Results Received Over the Past 3 Months. EXCLUDE the client's initial urine screen  Cocaine screens | 88 = unknown  Note: If missing, question was left blank during assessment | num |
| mat\_period\_15a\_pos | (ONLY if:  [mat\_period\_15a\_screen] <> 0)  Cocaine positives | 88= unknown  Note: If missing, question was left blank during assessment | num |
| mat\_period\_15b\_screen | Urinalysis Results Received Over the Past 3 Months. EXCLUDE the client's initial urine screen  Opiates screens | 88= unknown  Note: If missing, question was left blank during assessment | num |
| mat\_period\_15b\_pos | (ONLY if:  [mat\_period\_15b\_screen] <> 0)  Opiates positives | 88=unknown  Note: If missing, question was left blank during assessment | num |
| mat\_period\_15c\_screen | Urinalysis Results Received Over the Past 3 Months. EXCLUDE the client's initial urine screen  Methadone screens | 88= unknown  Note: If missing, question was left blank during assessment | num |
| mat\_period\_15c\_pos | (ONLY if:[mat\_period\_15c\_screen] <> 0)  Methadone positives | 88 = unknown  Note: If missing, question was left blank during assessment | num |
| mat\_period\_15d\_screen | Urinalysis Results Received Over the Past 3 Months. EXCLUDE the client's initial urine screen  Benzodiazepines screens | 88= unknown  Note: If missing, question was left blank during assessment | num |
| mat\_period\_15d\_pos | (ONLY if:  [mat\_period\_15d\_screen] <> 0)  Benzodiazepines positives | 88= unknown  Note: If missing, question was left blank during assessment | num |
| mat\_period\_15e\_screen | Urinalysis Results Received Over the Past 3 Months. EXCLUDE the client's initial urine screen  Other drug screens | 88= unknown  Note: If missing, question was left blank during assessment | num |
| mat\_period\_15e\_pos | (ONLY if: [mat\_period\_15e\_screen] <> 0) Other Drug positives | 88= unknown  Note: If missing, question was left blank during assessment | num |
| mat\_period\_16 | Which medication-assisted treatment is the client currently using? | 1= Methadone  2= Buprenorphine  3= Naltrexone  88= Unknown | num |
| mat\_period\_16a | By what route is this medication being administered? (ONLY if: [mat\_period\_16] = '2' or [mat\_ period\_16] = '3') | 1= Oral  2= Injection  3= Patch  4= Implant  88= Unknown  Note: If missing, question was left blank during assessment | num |
| mat\_period\_17 | Has the client received a dose in the past 2 weeks? (ONLY if: [mat\_period\_16] = '2' or [mat\_ period\_16] = '1') | 1= Yes  0= No  88= Unknown  Note: If missing, question was left blank during assessment | num |
| mat\_period\_17a | What was the client's last dose? (mg):  (ONLY if: [mat\_period\_16] = '2' or [mat\_ period\_16] = '1') | Note: if missing, question was left blank during assessment | num |
| mat\_period\_18 | In what phase of treatment was the client? | 1= Active treatment  2= Stabilization treatment  3= Medically supervised withdrawal  4= Medical maintenance  88= Unknown  Note: If missing, question was left blank during assessment | num |

# **BSAS HOC DOC Surveillance (PHDBSAS.HOCSURV)**

| **Variable** | **Variable Description** | **Metadata** | **Format** |
| --- | --- | --- | --- |
| ID | Project Specific ID | 9 character alphanumeric ID | char |
| Match\_level\_hocsurv | CHIA Match level | 1== These are CHIA members that received a high score against the DPH input record. This group includes those that matched all elements of the DPH input record and those that had only one element mismatch. The group 1 individual match determination has been optimized based upon the input elements and their overall weight.  2= This group contains members within the APCD that received a lower score against the DPH input record yet are considered possible matches. Candidates in this group could match on as little as SSN or date of birth and zip code. These candidates are included for completeness | num |
| surveil\_enroll\_date | Enrollment date | Date Proxy: Count of days between enrollment date and a random date in the past  NOTE: The larger the date proxy, the more recently the event occurred | num |
| surveil\_enroll\_month | Enrollment month | Months, 1-12 | num |
| surveil\_enroll\_year | Enrollment year | Years, YYYY format | num |
| surveil\_enroll\_age | Age at enrollment | Age in years  Note: missing indicates age that is not possible | num |
| surveil\_county | County | 1= Berkshire  2= Bristol  3= Essex  4= Franklin  5= Hampden  6= Hampshire  7= Middlesex  8= Norfolk  9= Suffolk | num |
| surveil\_a\_4\_1 | How was individual identified for HOC-DOC Surveillance?  Screened Positive for Opioid Use Disorder | 1= Yes  0= No | num |
| surveil\_a\_4\_2 | How was individual identified for HOC-DOC Surveillance?  Reported illicit use of Opioids in past 12 months | 1= Yes  0= No | num |
| surveil\_a\_4\_3 | How was individual identified for HOC-DOC Surveillance?  Clinical diagnosis of Opioid Use Disorder | 1= Yes  0= No | num |
| surveil\_a\_4\_4 | How was individual identified for HOC-DOC Surveillance?  Self-report of opioid use disorder | 1= Yes  0= No | num |
| surveil\_a\_4\_5 | How was individual identified for HOC-DOC Surveillance?  Other | 1= Yes  0= No | num |
| surveil\_a\_4\_6 | How was individual identified for HOC-DOC Surveillance?  Previously on MOUD  [only if surveil\_a\_4\_\_5 = 1] | 1= Yes  0= No  Note: if missing, question was left blank on assessment | num |
| surveil\_a\_4\_88 | How was individual identified for HOC-DOC Surveillance?  Unknown | 1= Yes  0= No | num |
| surveil\_a\_5 | Gender | 1= Male  2= Female  3= Transgender | num |
| surveil\_a\_5a | If Transgender, specify: (ONLY if: [surveil\_a\_5] = '3') | 1= Male to Female  2= Female to Male  3= Other  88= Unknown  99= Refused  Note: if missing, question was left blank on assessment | num |
| surveil\_a\_6 | Date of Jail/HOC entry | Date Proxy: Count of days between entry date and a random date in the past  NOTE: The larger the date proxy, the more recently the event occurred | num |
| surveil\_a\_6\_month | Jail entry month | Months, 1-12 | num |
| surveil\_a\_6\_year | Jail entry year | Years, YYYY format | num |
| surveil\_a\_6\_age | Age at jail entry | Age in years  Note: if missing, calculated age was not possible | num |
| surveil\_a\_7a | HOC-DOC facility where individual is currently detained? | 1= Essex - Middleton House of Correction (Main Institution)  2= Essex - Pre-release and Re-entry Center  3= Essex - Women in Transition  4= Franklin - Jail and House of Correction (Main Institution)  5= Hampden - All Inclusive Support Services (AISS)  6= Hampden - Correctional Center (Main Institution)  7= Hampden - Pre-Release Center  8= Hampden - Stonybrook Stabilization and Treatment Centers  9= Hampden - Western Massachusetts Recovery and Wellness Center  10= Hampden - Western Massachusetts Regional Women's Correctional Center  11= Hampshire - Jail and House of Correction (Main Institution)  12= Middlesex - Jail & House of Correction (Main Institution)  13= Norfolk - Jail and House of Correction  14= Suffolk - South Bay House of Correction (Main Institution)  15= Suffolk County - Nashua Street Jail  16= Bristol County House of Correction and Jail | num |
| surveil\_3 | What is the client's current adjudication status? | 1= Pre-adjudicated  2= Sentenced  3= Safekeep  4= Regional Lockup  5= Section 35  88= Unknown  99= Refused | num |
| surveil\_3a | If sentenced, is this assessment occurring in the client's re- entry period? (The pre-release period tor HOCs is 30 days before release. The pre-release period for DOCs is 90 days before release.) (ONLY if: [surveil\_3] = '2')  \*Please note, there are values even when this is not true | 1= Yes  0= No  88= Unknown  99= Refused  Note: if missing, question was left blank during assessment | num |
| surveil\_4 | Was the inmate offered Medication Assisted Treatment (MAT) at this DOC/HOC?  EXAMPLES OF REASONS MAT NOT OFFERED: not on community MAT at intake; detained too short a period to start MAT; medical condition not appropriate for MAT induction/continuation; transfer expected to a facility where MAT is not available; etc. | 1= Yes  0= No  88= Unknown  99= Refused  Note: if missing, question was left blank during assessment | num |
| surveil\_4a | What is the primary reason why inmate was not offered MAT at this DOC/HOC? | 1= Not on community MAT at intake  2= Detained too short a period to start MAT  3= Medical condition not appropriate for MAT induction/continuation  4= Transfer expected to a facility where MAT is not available  5= Other  6= MOUD not available upon jail entry  7= MOUD prescription not current  8= History of diversion  88= Unknown  99= Refused  Note: if missing, question was left blank during assessment | num |
| surveil\_4b | If inmate was offered MAT at this DOC/HOC, what is the primary reason why inmate did not accept it? (ONLY if: [surveil\_4] = '1')  \*Please note, there are values even when this is not true | 1 = Preferred medication type not available  2 =Required to live in a segregated unit in DOC/HOC to get MAT and does not want to live there  3 = Required to receive group counseling in DOC/HOC to get MAT and does not want group counseling  4 = Does not want others to know about addiction  5 = Prefers to be detoxed in DOC/HOC  6 = Was on MAT before and it did not work for inmate  7 = Does not want to risk having to go through detox/withdrawal from MAT  8 = Does not want MAT because "it is replacing one addiction with another"  9 = Other reason  10 = Awaiting MOUD  11= Positive drug screen  12 = Reports sobriety  13= Denies having opioid use disorder  14= Removed from MOUD program  15= Detained too short  88 = Unknown  99 = Refused  Note: if missing, question was left blank during assessment | num |
| surveil\_5a | Was the client homeless at intake/enrollment (whether or not chronic)? | 1= Yes  0= No  88= Unknown  99= Refused  Note: if missing, question was left blank during assessment | num |
| surveil\_5 | Do you own or rent a house, apartment, or room? (\*ONLY if: [surveil\_5a] = '0' or [surveil\_5 a] = '88' or [surveil\_5a] = '99')  \*Please note, there are values even when this is not true | 1= Yes  0= No  88= Unknown  99= Refused  Note: if missing, question was left blank during assessment | num |
| surveil\_6 | ZIP Code of Last Permanent Address: | 5-digit zip code  99999=Refused  88888 = unknown  Note: if missing, question was left blank during assessment | char |
| surveil\_8 | Do you consider yourself to be: | 1= Heterosexual  2= Gay/Lesbian  3= Bisexual  4= Other  88= Unknown  99= Refused  Note: if missing, question was left blank during assessment | num |
| surveil\_9 | Number of days in current DOC/HOC | unknown = 8888; refused = 9999 | num |
| surveil\_11b | Postpartum | 1= Yes  0= No  88= Unknown  99= Refused  Note: if missing, question was left blank during assessment | num |
| surveil\_11c | Pregnant | 1= Yes  0= No  88= Unknown  99= Refused  Note: if missing, question was left blank during assessment | num |
| surveil\_11d | Veteran/Any Military Service | 1= Yes  0= No  88= Unknown  99= Refused  Note: if missing, question was left blank during assessment | num |
| surveil\_12 | Do you have children? | 1= Yes  0= No  88= Unknown  99= Refused  Note: if missing, question was left blank during assessment | num |
| surveil\_13 | Are you the primary caregiver for any children? | 1= Yes  0= No  88= Unknown  99= Refused | num |
| surveil\_14\_new | Did you work in the 30 days prior to this incarceration? | 1= Yes  0= No  88= Unknown  99= Refused  Note: if missing, question was left blank during assessment | num |
| surveil\_14 | OLD variable:  Number of days worked in the past 30? | 88= Unknown  99=Refused  77= Value over 30 indicating an error  Note: if missing, question was left blank during assessment | num |
| surveil\_15 | Where do you usually live? (Where has client spent/slept most of the time over the last 12 months?) | 1= House or Apartment  2= Room/boarding or sober house  3= Institution  4= Group home/treatment  5= Shelter/mission  6= On the streets  7= Foster Care  88= Unknown  99= Refused  Note: if missing, question was left blank during assessment | num |
| surveil\_19 | At the time of your entry into this DOC/HOC were you receiving Medication Assisted Treatment? | 1= Yes  0= No  88= Unknown  99= Refused | num |
| surveil\_19a | Were you receiving Methadone Treatment? (ONLY if: [surveil\_19] = '1') | 1= Yes  0= No  88= Unknown  99= Refused  Note: if missing, question was left blank during assessment | num |
| surveil\_19b | Were you receiving a prescription for Buprenorphine or Naltrexone? (ONLY if: [surveil\_19a] = '0' or [surveil\_ 19a] = '88' or [surveil\_19a] = '99') | 1= Buprenorphine (e.g. Suboxone)  2= Naltrexone (e.g. Vivitrol)  88= Unknown  99= Refused  Note: if missing, question was left blank during assessment | num |
| surveil\_19c | By what route is this medication being administered? | 1= Oral  2= Injection  3= Patch  4= Implant  88= Unknown  99= Refused  Note: if missing, question was left blank during assessment | num |
| surveil\_19d | Was this Buprenorphine or Naltrexone prescription for alcohol use disorder, opioid use disorder, or both? | 1= Alcohol use Disorder  2= Opioid Use Disorder  3= Both  88= Unknown  99= Refused  Note: if missing, question was left blank during assessment | num |
| surveil\_20a1 | History of Substance Use: Have you ever used:   1. Alcohol | 1= Yes  0= No  88= Unknown  99= Refused  Note: if missing, question was left blank during assessment | num |
| surveil\_20a2 | History of Substance Use: Have you ever used: (Select 'Cocaine' if it is not clear whether or not the client used crack or cocaine)   1. Cocaine | 1= Yes  0= No  88= Unknown  99= Refused  Note: if missing, question was left blank during assessment | num |
| surveil\_20a3 | History of Substance Use: Have you ever used: (Select 'Cocaine' if it is not clear whether or not the client used crack or cocaine)   1. Crack | 1= Yes  0= No  88= Unknown  99= Refused  Note: if missing, question was left blank during assessment | num |
| surveil\_20a4 | History of Substance Use: Have you ever used:   1. Heroin | 1= Yes  0= No  88= Unknown  99= Refused  Note: if missing, question was left blank during assessment | num |
| surveil\_20a5 | History of Substance Use: Have you ever used: (Select 'Prescribed Opiates' if it is not clear whether or not the client used prescribed or non-prescribed opiates.)   1. Prescribed Opiates (Misuse/non-medical use of pharmaceutical opiates which were prescribed FOR the client) | 1= Yes  0= No  88= Unknown  99= Refused  Note: if missing, question was left blank during assessment | num |
| surveil\_20a6 | History of Substance Use: Have you ever used: (Select 'Prescribed Opiates' if it is not clear whether or not the client used prescribed or non-prescribed opiates.)   1. Non-prescribed Opiates (Non-medical use of pharmaceutical opiates which were NOT prescribed for the client | 1= Yes  0= No  88= Unknown  99= Refused  Note: if missing, question was left blank during assessment | num |
| surveil\_20a7 | History of Substance Use: Have you ever used:   1. Methamphetamine | 1= Yes  0= No  88= Unknown  99= Refused  Note: if missing, question was left blank during assessment | num |
| surveil\_20a8 | History of Substance Use: Have you ever used:   1. Benzodiazepines | 1= Yes  0= No  88= Unknown  99= Refused  Note: if missing, question was left blank during assessment | num |
| surveil\_20a10 | History of Substance Use: Have you ever used:   1. Fentanyl | 1= Yes  0= No  88= Unknown  99= Refused  Note: if missing, question was left blank during assessment | num |
| surveil\_20a11 | History of Substance Use: Have you ever used:  K. Cannabis | 1= Yes  0= No  88= Unknown  99= Refused  Note: if missing, question was left blank during assessment | num |
| surveil\_20a9 | History of Substance Use: Have you ever used:   1. Other | 1= Yes  0= No  88= Unknown  99= Refused  Note: if missing, question was left blank during assessment | num |
| surveil\_20a12 | History of Substance Use: Have you ever used:  Hallucinogens (psychedelics, PCP, LSD, etc.)  [only if surveil\_20a9 = 1] | 1= Yes  Note: missing indicates surveil\_20a9 is not equal 1 | num |
| surveil\_20a13 | History of Substance Use: Have you ever used:  Other amphetamines (Adderall, etc.)  [only if surveil\_20a9 = 1]  \*Please note, there are values even when this is not true | 1= Yes  Note: missing indicates surveil\_20a9 is not equal 1 | num |
| surveil\_20a14 | History of Substance Use: Have you ever used:  Other stimulants (Club drugs, molly, ecstasy, MDMA, etc.)  [only if surveil\_20a9 = 1] | 1= Yes  Note: missing indicates surveil\_20a9 is not equal 1 | num |
| surveil\_20a15 | History of Substance Use: Have you ever used:  Unspecified opiates  [only if surveil\_20a9 = 1] | 1= Yes  Note: missing indicates surveil\_20a9 is not equal 1 | num |
| surveil\_20a16 | History of Substance Use: Have you ever used:  Synthetics (K2, spice, etc.)  [only if surveil\_20a9 = 1] | 1= Yes  Note: missing indicates surveil\_20a9 is not equal 1 | num |
| Surveil\_20a17 | History of Substance Use: Have you ever used:  Barbiturates  [only if surveil\_20a9 = 1] | 1=Yes  Note: missing indicates surveil\_20a9 is not equal to 1 | num |
| Surveil\_20a18 | History of Substance Use: Have you ever used:  Ketamine  [only if surveil\_20a9 = 1] | 1=Yes  Note: missing indicates surveil\_20a9 is not equal to 1 | num |
| Surveil\_20a19 | History of Substance Use: Have you ever used:  Inhalants  [only if surveil\_20a9 = 1] | 1=Yes  Note: missing indicates surveil\_20a9 is not equal to 1 | num |
| Surveil\_20a20 | History of Substance Use: Have you ever used:  “Designer drugs”  [only if surveil\_20a9 = 1] | 1=Yes  Note: missing indicates surveil\_20a9 is not equal to 1 | num |
| surveil\_20d1 | History of Substance Use: Route of Admin Code (\*ONLY if: [surveil\_20a1] = '1')  Alcohol  \*Please note, there are values even when this is not true | 1= Oral  2= Smoking  3= Inhalation  4= Injection  5= Other  6= Electronic Devices/Vaping  88= Unknown  99= Refused | num |
| surveil\_20d2 | History of Substance Use: Route of Admin Code (Select 'Cocaine' if it is not clear whether or not the client used crack or cocaine) (ONLY if: [surveil\_20a2] = '1')  Cocaine  \*Please note, there are values even when this is not true | 1= Oral  2= Smoking  3= Inhalation  4= Injection  5= Other  6= Electronic Devices/Vaping  88= Unknown  99= Refused | num |
| surveil\_20d3 | History of Substance Use: Route of Admin Code (Select 'Cocaine' if it is not clear whether or not the client used crack or cocaine) (ONLY if: [surveil\_20a3] = '1')  Crack  \*Please note, there are values even when this is not true | 1= Oral  2= Smoking  3= Inhalation  4= Injection  5= Other  6= Electronic Devices/Vaping  88= Unknown  99= Refused | num |
| surveil\_20d4 | History of Substance Use: Route of Admin Code (ONLY if: [surveil\_20a4] = '1')  Heroin  \*Please note, there are values even when this is not true | 1= Oral  2= Smoking  3= Inhalation  4= Injection  5= Other  6= Electronic Devices/Vaping  88= Unknown  99= Refused | num |
| surveil\_20d5 | History of Substance Use: Route of Admin Code (Select 'Prescribed Opiates' if it is not clear whether or not the client used prescribed or non-prescribed opiates.) (ONLY if: [surveil\_20a5] = '1')  Prescribed opiates  \*Please note, there are values even when this is not true | 1= Oral  2= Smoking  3= Inhalation  4= Injection  5= Other  6= Electronic Devices/Vaping  88= Unknown  99= Refused | num |
| surveil\_20d6 | History of Substance Use: Route of Admin Code (Select 'Prescribed Opiates' if it is not clear whether or not the client used prescribed or non-prescribed opiates.) (ONLY if: [surveil\_20a5] = '1')  Non-Prescribed opiates  \*Please note, there are values even when this is not true | 1= Oral  2= Smoking  3= Inhalation  4= Injection  5= Other  6= Electronic Devices/Vaping  88= Unknown  99= Refused | num |
| surveil\_20d7 | History of Substance Use: Route of Admin Code (ONLY if: [surveil\_20a7] = '1')  Methamphetamine  \*Please note, there are values even when this is not true | 1= Oral  2= Smoking  3= Inhalation  4= Injection  5= Other  6= Electronic Devices/Vaping  88= Unknown  99= Refused | num |
| surveil\_20d8 | History of Substance Use: Route of Admin Code (ONLY if: [surveil\_20a8] = '1')  Benzodiazepines  \*Please note, there are values even when this is not true | 1= Oral  2= Smoking  3= Inhalation  4= Injection  5= Other  6= Electronic Devices/Vaping  88= Unknown  99= Refused | num |
| surveil\_20d10 | History of Substance Use: Route of Admin Code (ONLY if: [surveil\_20a10] = '1')  Fentanyl | 1= Oral  2= Smoking  3= Inhalation  4= Injection  5= Other  6= Electronic Devices/Vaping  88= Unknown  99= Refused | num |
| surveil\_20d11 | History of Substance Use: Route of Admin Code (ONLY if: [surveil\_20a11] = '1')  Cannabis  \*Please note, there are values even when this is not true | 1= Oral  2= Smoking  3= Inhalation  4= Injection  5= Other  6= Electronic Devices/Vaping  88= Unknown  99= Refused | num |
| surveil\_20d9 | History of Substance Use: Route of Admin Code (ONLY if: [surveil\_20a9] = '1')  Other  \*Please note, there are values even when this is not true | 1= Oral  2= Smoking  3= Inhalation  4= Injection  5= Other  6= Electronic Devices/Vaping  88= Unknown  99= Refused | num |
| surveil\_21a | Rank Substances - Primary Substance | 1= A. Alcohol  2= B. Cocaine  3= C. Crack  4= D. Heroin  5= E. Prescribed Opiates  6= F. Non-prescribed Opiates  7= G. Methamphetamine  8= H. Benzodiazepines  9= I. Other  10= J. Fentanyl  11= K. Cannabis  88= Unknown  99= Refused  Note: if missing, question was left blank during assessment | num |
| surveil\_21b | Rank Substances - Secondary Substance | 1= A. Alcohol  2= B. Cocaine  3= C. Crack  4= D. Heroin  5= E. Prescribed Opiates  6= F. Non-prescribed Opiates  7= G. Methamphetamine  8= H. Benzodiazepines  9= I. Other  Note: if missing, question was left blank during assessment | num |
| surveil\_21c | Rank Substances - Tertiary Substance | 1= A. Alcohol  2= B. Cocaine  3= C. Crack  4= D. Heroin  5= E. Prescribed Opiates  6= F. Non-prescribed Opiates  7= G. Methamphetamine  8= H. Benzodiazepines  9= I. Other  Note: if missing, question was left blank during assessment | num |
| surveil\_22 | Have you had any overdoses in your lifetime? | 1= Yes  0= No  88= Unknown  99= Refused  Note: if missing, question was left blank during assessment | num |
| surveil\_22a | How many overdoses have you had in your lifetime?  (ONLY if: [surveil\_22] = '1')  \*Please note, there are values even when this is not true | (unknown = 888; refused = 999)  Note: if missing, question was left blank during assessment or surveil\_22 is not equal to 1 | num |
| surveil\_22b | How many overdoses have you had in the past year?  (ONLY if: [surveil\_22] = '1') | (unknown = 888; refused = 999)  Note: if missing, question was left blank during assessment or surveil\_22 is not equal to 1 | num |
| surveil\_23 | Number of arrests in lifetime: | (unknown = 888; refused = 999)  Note: if missing, question was left blank during assessment | num |
| surveil\_24 | Number of arrests in past 30 days: | (unknown = 888; refused = 999)  Note: if missing, question was left blank during assessment | num |
| surveil\_25 | During the past 12 months, how many nights were you hospitalized for physical problems? | (unknown = 888; refused = 999)  Note: if missing, question was left blank during assessment | num |
| surveil\_26 | During the past 12 months, how many nights were you in a detox facility? | (unknown = 888; refused = 999)  Note: if missing, question was left blank during assessment | num |
| surveil\_27 | During the past 12 months, how many visits to an emergency room and/or urgent care facility did you make? | (unknown = 888; refused = 999)  Note: if missing, question was left blank during assessment | num |
| surveil\_28 | During the past 12 months, how many nights did you stay overnight somewhere for treatment of problems with your emotions, nerves, or mental health? | (0-100; unknown = 888; refused = 999)  Note: if missing, question was left blank during assessment | num |
| surveil\_28\_new | During the past 12 months, did you stay overnight somewhere for treatment of problems with your emotions, nerves, or mental health? | 1= Yes  0= No  88= Unknown  99= Refused  Note: if missing, question was left blank during assessment | num |
| surveil\_29 | Would you say that none of the people, a few of the people, or most of the people you are close to are currently abusing drugs? | 1= None  2= One or a few  3= Most  88= Unknown  99= Refused  Note: if missing, question was left blank during assessment | num |
| surveil\_30 | Re-entry plan includes medication-assisted treatment? | 1= Yes  0= No  88= Unknown  99= Refused  Note: if missing, question was left blank during assessment | num |

­­­Population Census Data (PHDCENS)

**There are fourteen population datasets in the PHD:**

1. POP\_ACS\_ZCTA: Dataset downloaded from The Public Health Disparities Geocoding Project[**https://www.hsph.harvard.edu/thegeocodingproject/**](https://www.hsph.harvard.edu/thegeocodingproject/)
2. POP\_TOWNTOTAL: Total population by city/town 2011 to 2020
3. POP\_TOWN\_11AGE: Total Population by [11 age groups](#_11_ages) by city/town 2011-2020
4. POP\_TOWN\_19AGE: Total Population by [19 age groups](#_19_Ages:) by city/town 2011-2020
5. Female\_towncity\_18age\_race: 2019 Total Female Population by [18 age groups](#_18_Ages:) and race/ethnicity by city/town
6. POP\_ACS\_TOWN**:** Data by city and town from the 2014-2018 American Community Survey 5-Year

### POP\_ACS\_COUNTY: Dataset downloaded from The Public Health Disparities Geocoding Project <https://www.hsph.harvard.edu/thegeocodingproject/>

### POP\_COUNTY\_11AGE – Total Population by [11 age groups](#_11_ages) by county 2018-2020

1. POP\_STATETOTAL: Statewide Total Population by gender and race/ethnicity 2011-2020
2. POP\_STATE\_11AGE: Statewide 2011-2020 Population [by 11 age groups,](#_11_ages) gender and race/ethnicity
3. POP\_STATE\_19AGE: Statewide 2011-2020 Population [by 19 age groups](#_19_ages), gender and race/ethnicity
4. WORKING\_POP: Estimated Massachusetts average annual counts of workers ages 18-64 years, Age Distribution within Sex Race/Ethnicity, Nativity, Education, Occupation, and Industry: ACS PUMS 5-Year file 2016-2020, Weighted counts
5. **DONAHUE\_POP\_5YEARGROUP\_2020:** UMass Donahue Institute 2020 population estimates bycity/town, 5 year age groups, race/ethnicity, and sex
6. **DONAHUE\_POP\_SINGLEYEARS\_2020:** UMass Donahue Institute 2020 population estimates bycity/town, single year(under 1 – 20 years), race/ethnicity, and sex

**Sets 1 and 7 (POP\_ACS\_ZCTA and POP\_ACS\_COUNTY) are datasets downloaded from The Public Health Disparities Geocoding Project** [**https://www.hsph.harvard.edu/thegeocodingproject/**](https://www.hsph.harvard.edu/thegeocodingproject/)

Based on **U.S. Census Bureau, 2014-2018 American Community Survey 5-Year Estimates.**

The Index of Concentration at the Extremes [12] measure captures the extent to which the population in a given area is concentrated at either extreme of a social metric and ranges from -1 (everyone in the worst category) to 1 (everyone in the best category). For our analyses, we set the extremes for this ICE as: (a) high-income White Non-Hispanic population, versus (b) low-income population of color (i.e. not white non-Hispanic) [12]. For analysis purposes, we defined categories of ABSMs using *a priori* cut-points for % below poverty (0-4.9%, 5-9.9%, 10-14.9%, 15-19.9%, and 20-100%) and quintile cut-points based on the distribution of ZCTA or city/town attributes in Massachusetts (weighted by population size).

**Sets 2 through 4, 8-11 are based on Donahue Population files estimates created by Malena Hood. Dataset 5 is based on Donahue Population files created the Bureau of Family Health and Nutrition. Dataset 6 is based on Census ACS files created by the Bureau of Community Health and Prevention.**

Population Estimates 2011-2019: Small Area Population Estimates 2011-2020, version 2018, Massachusetts Department of Public Health, Bureau of Environmental Health. Version 2018 years 2016-2019 apply updates from U.S. Census Bureau’s County Population by Characteristics, vintage 2018; all previous years apply updates from U.S. Census Bureau’s County Population by Characteristics, vintage 2017. Population estimates used for years following the decennial census were developed by the University of Massachusetts Donahue Institute (UMDI) in partnership with the Massachusetts Department of Public Health, Bureau of Environmental Health.

UMDI Interim 2020 Population Estimates by Age, Sex, Race, and Municipality, UMass Donahue Institute Population Estimates Program, March 1, 2022.

### POP\_ACS\_ZCTA MA American Community Survey Population 2014-2018

| **Variable Name** | **Variable Description** | **Format** |
| --- | --- | --- |
| GEOid | 5-digit ZCTA | Char |
| pop\_total | Total population count | Num |
| pop\_white | Total white population count | Num |
| pop\_black | Total black population count | Num |
| percblack | Percent population that is Black | Num |
| percHISP | Percent population that is Hispanic | Num |
| percCOLOR | Percent population Non-White | Num |
| pop\_amind | Total American Indian/Alaskan Native population count | Num |
| pop\_api | Total Asian Pacific Islander population count | Num |
| pop\_hisp | Total Hispanic population count | Num |
| pop\_wnh | Total white non-Hispanic population count | Num |
| ICEwbinc | Index of Concentration at the Extremes for white, high income vs. black low income | Num |
| ICEwnhinc | Index of Concentration at the Extremes for white non-Hispanic high income vs. people of color low income | Num |
| poverty | % below poverty | Num |
| crowding | % crowded households | Num |
| yeaR | 2018 | Num |
| apINDPOV | Categorical poverty variable  (0-4.9%, 5-9.9%, 10-19.9%, 20-100%) | Char |
| qINDPOV | Quintiles of poverty  At ZCTA geography, weighted by population size | Char |
| qICEwnhinc | Quintiles of Index of Concentration at the Extremes for white non-Hispanic high income vs. people of color low income  At ZCTA geography, weighted by population size | Char |
| qICEwbinc | Quintiles of Index of Concentration at the Extremes for white high income vs, black low income. At ZCTA geography, weighted by population size | Char |

# 

### POP\_T**OWNTOTAL** Total population by city/town 2011 to 2020

|  |  |  |
| --- | --- | --- |
| **Variable Name** | **Description** | **Format** |
| rescode | Code for city/town (1-351) | Num |
| Community | Name of city/town | Char |
| p2011 | 2011 Total population | Num |
| p2012 | 2012 Total population | Num |
| p2013 | 2013 Total population | Num |
| p2014 | 2014 Total population | Num |
| p2015 | 2015 Total population | Num |
| p2016 | 2016 Total population | Num |
| p2017 | 2017 Total population | Num |
| p2018 | 2018 Total population | Num |
| p2019 | 2019 Total population | Num |
| P2020 | 2020 Total population | Num |

### **POP\_TOWN\_11AGE** – Total Population by [11 age groups](#_11_ages) by city/town 2011-2020

### **POP\_TOWN\_19AGE** – Total Population by [19 age groups](#_19_ages) by city/town 2011-2020

|  |  |  |
| --- | --- | --- |
| **Variable Name** | **Description** | **Format** |
| rescode | code for city/town (1-351) | Num |
| Agegrp | [Age Group11](file:///C:/Users/marstewart/Downloads/Census_POP_PHD_Analytic%20(1).docx#_11_ages)  [19 ages](file:///C:/Users/marstewart/Downloads/Census_POP_PHD_Analytic%20(1).docx#_19_ages) | Num |
| community | Name of city/town | Char |
| p2011 | 2011 Total population | Num |
| p2012 | 2012 Total population | Num |
| p2013 | 2013 Total population | Num |
| p2014 | 2014 Total population | Num |
| p2015 | 2015 Total population | Num |
| p2016 | 2016 Total population | Num |
| p2017 | 2017 Total population | Num |
| p2018 | 2018 Total population | Num |
| p2019 | 2019 Total population | Num |
| P2020 | 2020 Total population | Num |

### **Female\_towncity\_18age\_race** 2019 Total Female Population by 18 age groups and race/ethnicity by city/town

|  |  |  |
| --- | --- | --- |
| **Variable Name** | **Description** | **Format** |
| rescode | code for city/town (1-351) | Num |
| Agegrp | [Age Group18 ages](#_18_Ages:) | Num |
| AmericanIndian\_NotHispanic | Total Female American Indian Non-Hispanic Population | Num |
| AsianPI\_NotHispanic | Total Female Asian/Pacific Islander Non-Hispanic Pop | Num |
| Black\_NotHispanic | Total Female Black Non-Hispanic Population | Num |
| Hispanic | Total Female Hispanic Population | Num |
| WHITE\_NotHispanic | Total Female White Non-Hispanic Population | Num |
| Multiracial | Total Female Multiracial Population | Num |

### POP\_ACS\_TOWN\_CITY

| **Variable Name** | **Description** | **Format** |
| --- | --- | --- |
| rescode | Code for city/town (1-351) | Num |
| Townname | Name of city/town | Char |
| POP1980 | 1980 Population | Num |
| POP1990 | 1990 Population | Num |
| POP2000 | 2000 Population | Num |
| POP2010 | 2010 Population | Num |
| POP2018 | 2018 Population (using BEH estimates) | Num |
| Area | Area in square miles | Num |
| Pop\_ Density | Calculated: Area/2018 Population | Num |
| Rural | Rural towns are also classified into two categories of rurality. Towns in level one and level two are both rural.  1= Towns classified as rural level one meet fewer rural criteria than towns considered rural at level two.  2= Towns in level two are less densely populated and more remote and isolated from urban core areas.  0= Towns considered urban | Num |
| Percent\_NonWhite | % population that is non-White (using BEH estimates) | Num |
| Percent\_Male | % population that is male (using BEH estimates) | Num |
| Pecent\_Ages65+ | % population ages 65 years and older (using BEH estimates) | Num |
| Old\_age\_dependency\_ratio | Old-age dependency ratio is defined as the number of individuals aged 65 and over per 100 people of working age defined as those aged between 20 and 64. | Num |
| Median\_age | Median age in years | Num |
| Percent\_limited\_English | % limited English Households | Num |
| Percent\_renters | % renters | Num |
| Percent\_owner \_under35 | % owner-occupied housing units Under 35 years | Num |
| Percent\_renter\_2015orlater | % renter-occupied housing units-Moved in 2015 or later | Num |
| Percent\_Foreign\_Born | % foreign born | Num |
| Percent\_25\_bachelor | % of individuals 25 years or older who have a bachelor's degree or higher | Num |
| Percent\_25\_9thgrade | % of individuals 25 years or older who have a Less than 9th grade education | Num |
| Median\_household\_income | Median household income in the past 12 months (in 2018 inflation-adjusted dollars) | Num |
| Mean\_household\_income | Mean household income in the past 12 months (in 2018 inflation-adjusted dollars) | Num |
| Per\_capita\_income | Per capita income in the past 12 months (in 2018 inflation-adjusted dollars) | Num |
| mean\_cash\_public\_assistance | Mean cash public assistance | Num |
| mean\_family\_income | Mean family income | Num |
| mean\_retirement\_income | Mean retirement income | Num |
| percent\_with\_retirement\_income | % Income and Benefits (IN 2018 INFLATION-ADJUSTED DOLLARS) Households with retirement income | Num |
| mean\_ss | Mean Social Security income | Num |
| percent\_income\_with\_ss | % Income and Benefits (IN 2018 INFLATION-ADJUSTED DOLLARS) Households with Social Security | Num |
| mean\_ssi | Mean Supplemental Security Income | Num |
| percent\_with\_ssi | % Income and Benefits (IN 2018 INFLATION-ADJUSTED DOLLARS) Households with Supplemental Security Income | Num |
| median\_earnings\_female\_workers | Median earnings female full-time, year-round workers | Num |
| median\_earnings\_male\_workers | Median earnings for male full-time, year-round workers | Num |
| median\_earnings\_workers | Median earnings workers | Num |
| median\_family\_income | Median family income | Num |
| percent\_cash\_public\_assistance | % Households with cash public assistance income. Public assistance includes cash and non-cash benefits (e.g. TANF, SNAP) to low-income families or individuals, Income and Benefits (IN 2018 INFLATION-ADJUSTED DOLLARS) | Num |
| percent\_foodstamp\_snap | % Households with Food Stamp/SNAP benefits in the past 12 months, Income and Benefits (IN 2018 INFLATION-ADJUSTED DOLLARS) | Num |
| percent\_less\_than\_10000 | % Households Less than $10,000, Income and Benefits (IN 2018 INFLATION-ADJUSTED DOLLARS) | Num |
| percent\_10000\_to\_14999 | % Households with $10,000 to $14,999, Income and Benefits (IN 2018 INFLATION-ADJUSTED DOLLARS) | Num |
| percent\_15000\_to\_24999 | % Households with $15,000 to $24,999, Income and Benefits (IN 2018 INFLATION-ADJUSTED DOLLARS) | Num |
| percent\_25000\_to\_34999 | % Households with $25,000 to $34,999, Income and Benefits (IN 2018 INFLATION-ADJUSTED DOLLARS) | Num |
| percent\_35000\_to\_49999 | % Households with $35,000 to $49,999, Income and Benefits (IN 2018 INFLATION-ADJUSTED DOLLARS) | Num |
| percent\_50000\_to\_74999 | % Households with $50,000 to $74,999, Income and Benefits (IN 2018 INFLATION-ADJUSTED DOLLARS) | Num |
| percent\_75000\_to\_99999 | % Households with $75,000 to $99,999, Income and Benefits (IN 2018 INFLATION-ADJUSTED DOLLARS) | Num |
| percent\_100000\_to\_149999 | % Households with $100,000 to $149,999, Income and Benefits (IN 2018 INFLATION-ADJUSTED DOLLARS) | Num |
| percent\_150000\_to\_199999 | % Households with $150,000 to $199,999, Income and Benefits (IN 2018 INFLATION-ADJUSTED DOLLARS) | Num |
| percent\_200000\_or\_more | % Households with $200,000 or more, Income and Benefits (IN 2018 INFLATION-ADJUSTED DOLLARS) | Num |
| Percent\_Below\_Poverty | % Families And People Whose Income In The Past 12 Months Is Below The Poverty Level | Num |
| below\_poverty\_18plus | % Families And People Whose Income In The Past 12 Months Is Below The Poverty Level\_18 Years And Over | Num |
| below\_poverty\_18to64 | % Families And People Whose Income In The Past 12 Months Is Below The Poverty Level\_18 To 64 Years | Num |
| below\_poverty\_65plus | % Families And People Whose Income In The Past 12 Months Is Below The Poverty Level\_All People\_65 Years And Over | Num |
| below\_poverty\_all\_people | % Families And People Whose Income In The Past 12 Months Is Below The Poverty Level\_All People | Num |
| below\_poverty\_all\_under18 | % Families And People Whose Income In The Past 12 Months Is Below The Poverty Level\_All People Under 18 Years | Num |
| below\_poverty\_children\_5to17 | % Families And People Whose Income In The Past 12 Months Is Below The Poverty Level\_Related Children Of The Householder 5 To 17 Years | Num |
| below\_poverty\_children\_under5 | % Families And People Whose Income In The Past 12 Months Is Below The Poverty Level\_Related Children Of The Householder Under 5 Years | Num |
| below\_poverty\_children\_under\_18 | % Families And People Whose Income In The Past 12 Months Is Below The Poverty Level\_Related Children Of The Householder Under 18 Years | Num |
| below\_poverty\_female\_householder | % Families And People Whose Income In The Past 12 Months Is Below The Poverty Level\_Female Householder, No Husband Present | Num |
| below\_poverty\_female\_withchildre | % Families And People Whose Income In The Past 12 Months Is Below The Poverty Level\_Female Householder, No Husband Present\_With Related Children Of The Householder Under 18 Years | Num |
| below\_poverty\_married\_couple\_chi | % Families And People Whose Income In The Past 12 Months Is Below The Poverty Level\_Married Couple Families\_With Related Children Of The Householder Under 18 Years | Num |
| below\_poverty\_married\_couples | % Families And People Whose Income In The Past 12 Months Is Below The Poverty Level\_Married Couple Families | Num |
| percent\_workedathome | % worked at home, workers 16 years | Num |
| percent\_carpooled\_towork | % carpooled to work in car, truck, or van, workers 16 years | Num |
| percent\_drovealone\_towork | % drove alone to work in car, truck, or van, workers 16 years | Num |
| percent\_publictransp\_towork | % using public transportation (excluding taxicab) for work, workers 16 years | Num |
| percent\_other\_means\_towork | % using other means of transportation to work, workers 16 years | Num |
| percent\_walked\_towork | % walked to work, workers 16 years | Num |
| Mean\_travel\_time\_work | Mean travel time to work (minutes) for workers 16 years and over who did not work at home | Num |
| health\_insurance | % with health insurance coverage, civilian noninstitutionalized population | Num |
| health\_insurance\_19to64 | % With health insurance coverage, civilian noninstitutionalized population 19 to 64 years\_In labor force\_Employed | Num |
| no\_health\_insurance | % No health insurance coverage, civilian noninstitutionalized population | Num |
| no\_health\_insurance\_19to64 | % No health insurance coverage, civilian noninstitutionalized population 19 to 64 years\_In labor force\_Employed | Num |
| not\_in\_labor\_force\_insurance | % With health insurance coverage, civilian noninstitutionalized population 19 to 64 years\_Not in labor force | Num |
| not\_in\_labor\_force\_privateins | % With private health insurance, civilian noninstitutionalized population 19 to 64 years\_Not in labor force | Num |
| not\_in\_labor\_force\_publicins | % With public health coverage , civilian noninstitutionalized population 19 to 64 years\_Not in labor force | Num |
| not\_in\_laborforce\_noinsurance | % No health insurance coverage, civilian noninstitutionalized population 19 to 64 years\_Not in labor force\_ | Num |
| private\_health\_insurance | % With private health insurance, civilian noninstitutionalized population | Num |
| private\_healthinsurance\_19to64 | % With private health insurance, civilian noninstitutionalized population 19 to 64 years employed, in labor force | Num |
| public\_insurance | % With public health coverage, civilian noninstitutionalized population | Num |
| public\_insurance\_19to64 | % With public coverage, civilian noninstitutionalized population 19 to 64 years\_In labor force\_Employed\_ | Num |
| under19\_no\_health\_insurance | % No health insurance coverage, civilian noninstitutionalized population under 19 years | Num |
| unemployed\_no\_insurance | % No health insurance coverage, civilian noninstitutionalized population 19 to 64 years\_In labor force\_Unemployed\_ | Num |
| unemployed\_private\_insurance | % With private health insurance , civilian noninstitutionalized population 19 to 64 years\_In labor force\_Unemployed | Num |
| unemployed\_with\_insurance | % With health insurance coverage , civilian noninstitutionalized population 19 to 64 years\_in labor force\_Unemployed | Num |
| unemployed\_with\_public\_insurance | % With public coverage , civilian noninstitutionalized population 19 to 64 years In labor force\_Unemployed | Num |
| industry\_agriculture\_fishing | % Agriculture, forestry, fishing and hunting, and mining, civilian employed population 16 years and over (industry) | Num |
| industry\_arts\_entertainment | % Arts, entertainment, and recreation, and accommodation and food services, civilian employed population 16 years and over (industry) | Num |
| industry\_construction | % Construction, civilian employed population 16 years and over (industry) | Num |
| industry\_educ\_health\_social | % Educational services, and health care and social assistance, civilian employed population 16 years and over (industry) | Num |
| industry\_finance\_and\_insurance | % Finance and insurance, and real estate and rental and leasing, civilian employed population 16 years and over (industry) | Num |
| industry\_information | % Information, civilian employed population 16 years and over (industry) | Num |
| industry\_manufacturing | % Manufacturing, civilian employed population 16 years and over (industry) | Num |
| industry\_other | % Other services, except public administration, civilian employed population 16 years and over (industry) | Num |
| industry\_professional | % Professional, scientific, and management, and administrative and waste management services, civilian employed population 16 years and over (industry) | Num |
| industry\_publicadministration | % Public administration, civilian employed population 16 years and over (industry) | Num |
| industry\_retailtrade | % Retail trade, civilian employed population 16 years and over (industry) | Num |
| industry\_transportation | % Transportation and warehousing, and utilities, civilian employed population 16 years and over (industry) | Num |
| industry\_wholesaletrade | % Wholesale trade, civilian employed population 16 years and over (industry) | Num |
| percent\_16plus\_unemployed | % unemployed, 16 years and over in civilian labor force | Num |
| percent\_civilian\_labor\_force | % in civilian labor force , population 16 years and over | Num |
| percent\_employed | % employed, population 16 years and over in civilian labor force | Num |
| percent\_females\_inlaborforce | % in labor force, females 16 years and over | Num |
| percent\_inlabor\_force | % in labor force, population 16 years and over | Num |
| percent\_not\_inlaborforce | % not in labor force, population 16 years and over | Num |
| percent\_unemployed | % unemployed, population 16 years and over in civilian labor force | Num |
| percent\_private\_wage\_and\_salary | % private wage and salary workers, civilian labor force, 16 years and over (class of worker) | Num |
| percent\_unpaid\_family\_workers | % self-employed in own not incorporated business workers and unpaid family workers, civilian labor force, 16 years and over (class of worker) | Num |
| percent\_government\_workers | % government workers, civilian labor force, 16 years and over (class of worker) | Num |
| percent\_self\_employed | % self-employed in own incorporated business workers, civilian labor force, 16 years and over (class of worker) | Num |
| percent\_occupation\_construction | % Natural resources, construction, and maintenance, , civilian employed population 16 years and over | Num |
| percent\_occupation\_management | % Management, business, science, and arts occupations, civilian employed population 16 years and over | Num |
| percent\_occupation\_production\_tr | % Production, transportation, and material moving occupations, civilian employed population 16 years and over | Num |
| percent\_occupation\_sales | % Sales and office occupations, civilian employed population 16 years and over | Num |
| percent\_occupation\_service | % Service occupations, civilian employed population 16 years and over | Num |

### **POP\_ACS\_COUNTY** MA American Community Survey Population at County Level 2014-2018

| **Variable Name** | **Description** | **Format** |
| --- | --- | --- |
| county | Name of County | Char |
| GEOid | 3 digit FIPS code  Barnstable 001  Berkshire 003  Bristol 005  Dukes 007  Essex 009  Franklin 011  Hampden 013  Hampshire 015  Middlesex 017  Nantucket 019  Norfolk 021  Plymouth 023  Suffolk 025  Worcester 027 | Num |
| pop\_total | Total population count | Num |
| pop\_white | Total white population count | Num |
| pop\_black | Total black population count | Num |
| pop\_amind | Total American Indian/Alaskan Native population count | Num |
| pop\_api | Total Asian Pacific Islander population count | Num |
| pop\_hisp | Total Hispanic population count | Num |
| pop\_wnh | Total white non-Hispanic population count | Num |
| percblack | Percent population that is Black | Num |
| percHISP | Percent population that is Hispanic | Num |
| percCOLOR | Percent population Non-White | Num |
| ICEwbinc | Index of Concentration at the Extremes for white, high income vs. black low income | Num |
| ICEwnhinc | Index of Concentration at the Extremes for white non-Hispanic high income vs. people of color low income | Num |
| poverty | % below poverty | Num |
| crowding | % crowded households  (>1 person per room) | Num |
| year | YYYY 2014-2018 | Num |
| apINDPOV | 0-4.9%, 5-9.9%, 10-19.9%, 20-100% | Num |
| qINDPOV | Quintiles of poverty (at geography, weighted by population size) | Char |

### PHDCENS.POP\_COUNTY\_11AGE – Total Population by [11 age groups](#_11_ages) by county 2018-2020

|  |  |  |
| --- | --- | --- |
| **Variable Name** | **Description** | **Format** |
| COUNTY | County | Num |
| AGEGRP | [Age Group11](bookmark://_11_ages) | Num |
| P2018 | 2018 Total population | Num |
| P2019 | 2019 Total population | Num |
| P2020 | 2020 Total population | Num |

### **POP\_STATETOTAL** Statewide Total Population by gender and race/ethnicity 2011-2020

| **Variable Name** | **Description** | **Format** |
| --- | --- | --- |
| FEMALE | Female Population | Num |
| HISP | Total Hispanic Population | Num |
| HISPF | Total Female Hispanic Population | Num |
| HISPM | Total Male Hispanic Population | Num |
| MALE | Male Population | Num |
| NHAI | Total American Indian Non-Hispanic Population | Num |
| NHAIF | Total Female American Indian Non-Hispanic Population | Num |
| NHAIM | Total Male American Indian Non-Hispanic Population | Num |
| NHAP | Total Asian/Pacific Islander Non-Hispanic Population | Num |
| NHAPF | Total Female Asian/Pacific Islander Non-Hispanic Pop | Num |
| NHAPM | Total Asian/Pacific Islander Non-Hispanic Population | Num |
| NHB | Total Black Non-Hispanic Population | Num |
| NHBF | Total Female Black Non-Hispanic Population | Num |
| NHBM | Total Male Black Non-Hispanic Population | Num |
| NHW | Total White Non-Hispanic Population | Num |
| NHWF | Total Female White Non-Hispanic Population | Num |
| NHWM | Total Male White Non-Hispanic Population | Num |
| TOTAL | TOTAL Population | Num |
| YEAR | Year (2011-2020) | Num |

### 10. POP\_STATE\_11AGE Statewide: 2011-2020 Population by [11 age groups](#_11_ages), gender and race/ethnicity

11. POP\_STATE\_19AGE Statewide: 2011-2020 Population [by 19 age groups](#_19_ages), gender and race/ethnicity

| **Variable Name** | **Description** | **Format** |
| --- | --- | --- |
| FEMALE | Female Population | Num |
| HISP | Total Hispanic Population | Num |
| HISPF | Total Female Hispanic Population | Num |
| HISPM | Total Male Hispanic Population | Num |
| MALE | Male Population | Num |
| NHAI | Total American Indian Non-Hispanic Population | Num |
| NHAIF | Total Female American Indian Non-Hispanic Population | Num |
| NHAIM | Total Male American Indian Non-Hispanic Population | Num |
| NHAP | Total Asian/Pacific Islander Non-Hispanic Population | Num |
| NHAPF | Total Female Asian/Pacific Islander Non-Hispanic Population | Num |
| NHAPM | Total Asian/Pacific Islander Non-Hispanic Population | Num |
| NHB | Total Black Non-Hispanic Population | Num |
| NHBF | Total Female Black Non-Hispanic Population | Num |
| NHBM | Total Male Black Non-Hispanic Population | Num |
| NHW | Total White Non-Hispanic Population | Num |
| NHWF | Total Female White Non-Hispanic Population | Num |
| NHWM | Total Male White Non-Hispanic Population | Num |
| TOTAL | TOTAL Population | Num |
| YEAR | Year (2011-2020) | Num |
| AGEGRP | [Age group (1-11)](#_11_ages)  or [Age group 19 ages](#_19_ages) | Num |

### 11 Ages:

|  |  |
| --- | --- |
| 1 | <1 |
| 2 | 1-4 |
| 3 | 5-14 |
| 4 | 15-24 |
| 5 | 25-34 |
| 6 | 35-44 |
| 7 | 45-54 |
| 8 | 55-64 |
| 9 | 65-74 |
| 10 | 75-84 |
| 11 | 85+ |

### 19 Ages:

|  |  |
| --- | --- |
| 1 | <1 |
| 2 | 1-4 |
| 3 | 5-9 |
| 4 | 10-14 |
| 5 | 15-19 |
| 6 | 20-24 |
| 7 | 25-29 |
| 8 | 30-34 |
| 9 | 35-39 |
| 10 | 40-44 |
| 11 | 45-49 |
| 12 | 50-54 |
| 13 | 55-59 |
| 14 | 60-64 |
| 15 | 65-69 |
| 16 | 70-74 |
| 17 | 75-79 |
| 18 | 80-84 |
| 19 | 85+ |

### 18 Ages:

|  |  |
| --- | --- |
| 1 | Under 5 years |
| 2 | 5 to 9 years |
| 3 | 10 to 14 years |
| 4 | 15 to 19 years |
| 5 | 20 to 24 years |
| 6 | 25 to 29 years |
| 7 | 30 to 34 years |
| 8 | 35 to 39 years |
| 9 | 40 to 44 years |
| 10 | 45 to 49 years |
| 11 | 50 to 54 years |
| 12 | 55 to 59 years |
| 13 | 60 to 64 years |
| 14 | 65 to 69 years |
| 15 | 70 to 74 years |
| 16 | 75 to 79 years |
| 17 | 80 to 84 years |
| 18 | 1. years and over |

12. Population Census Data (PHDCENS.Working\_POP) Estimated Massachusetts average annual counts of workers ages 18-64 years, Age Distribution within Sex Race/Ethnicity, Nativity, Education, Occupation, and Industry: ACS PUMS 5-Year file 2016-2020, Weighted counts.

| **Variable Name** | **Description** | **Format** |
| --- | --- | --- |
| Ageg | Age group distribution  1= 18-24  2= 25-34  3= 35-44  4= 45-54  5= 55-64 | Num |
| Female | Female Population | Num |
| Male | Male Population | Num |
| Total | Total Population | Num |
| Foreign\_Born | Total Foreign-Born Population | Num |
| US\_Born | Total US-Born Population | Num |
| AMER | Total American Indian Non-Hispanic Population | Num |
| ASIAN\_NH | Total Asian/Pacific Islander Non-Hispanic Population | Num |
| BNH | Total Black Non-Hispanic Population | Num |
| Hispanic | Total Hispanic Population | Num |
| Multiple\_races | Total Multiple races Non-Hispanic Population | Num |
| WNH | Total White Non-Hispanic Population | Num |
| Less\_than\_HS | Total Population with Less than a High School Education | Num |
| High\_School\_or\_GED | Total Population with a High School or GED Education | Num |
| Some\_College\_plus | Total Population with a Some College/Assoc/Bach/Certificate Education | Num |
| Masters\_or\_Higher | Total Population with a Master’s or Higher Education | Num |
| Occupation\_Architecture | Total Population in Architecture and Engineering Occupations (SOC 17-0000) | Num |
| Occupation\_Arts | Total Population in Arts, Design, Entertainment, Sports, and Media Occupations (SOC 27-0000) | Num |
| Occupation\_Building | Total Population in Building and Grounds Cleaning and Maintenance Occupations (SOC f37-0000) | Num |
| Occupation\_Business\_Financial | Total Population in Business and Financial Operations Occupations (SOC 13-0000) | Num |
| Occupation\_Community\_Social | Total Population in Community and Social Services Occupations (SOC 21-0000) | Num |
| Occupation\_Computer | Total Population in Computer and Mathematical Occupations (SOC 15-0000) | Num |
| Occupation\_Construction | Total Population in Construction and Extraction Occupations (SOC 47-0000) | Num |
| Occupation\_Education | Total Population in Education, Training, and Library Occupations (SOC 25-0000) | Num |
| Occupation\_FFF | Total Population in Farming, Fishing, and Forestry Occupations (SOC 45-0000) | Num |
| Occupation\_FoodPreparation | Total Population in Food Preparation and Serving Related Occupations (SOC 35-0000) | Num |
| Occupation\_HeathcarePract | Total Population in Heathcare Practitioners and Technical Occupations (SOC 29-0000) | Num |
| Occupation\_Heathcare\_Support | Total Population in Heathcare Support Occupations (SOC 31-0000) | Num |
| Occupation\_Installation | Total Population in Installation, Maintenance, and Repair Occupations (SOC 49-0000) | Num |
| Occupation\_Legal | Total Population in Legal Occupations (SOC 23-0000) | Num |
| Occupation\_Life\_Physical\_ Social | Total Population in Life, Physical, and Social Science Occupations (SOC 19-0000) | Num |
| Occupation\_Management | Total Population in Management Occupations (SOC 11-0000) | Num |
| Occupation\_Office | Total Population in Office and Administrative Support Occupations (SOC 43-0000) | Num |
| Occupation\_PersonalCare | Total Population in Personal Care and Service Occupations (SOC 39-0000) | Num |
| Occupation\_Production | Total Population in Production Occupations (SOC 51-0000) | Num |
| Occupation\_Protective\_service | Total Population in Protective service (SOC 33-0000) | Num |
| Occupation\_Sales | Total Population in Sales and Related Occupations (SOC 41-0000) | Num |
| Occupation\_Transportation | Total Population in Transportation and Material Moving Occupations (SOC 53-0000) | Num |
| industry\_agriculture\_fishing, | Total Population in Agriculture, forestry, fishing and hunting, and mining industry | Num |
| industry\_mining | Total Population in Mining, Quarry, Oil Gas Extraction industry | Num |
| industry\_utilities | Total Population in Utilities industry | Num |
| industry\_construction | Total Population in Construction industry | Num |
| industry\_manufacturing | Total Population in Manufacturing industry | Num |
| industry\_wholesaletrade | Total Population in Wholesale Trade industry | Num |
| industry\_retailtrade | Total Population in Retail Trade industry | Num |
| industry\_transportation | Total Population in Transport and Warehousing industry | Num |
| industry\_information | Total Population in Information industry | Num |
| industry\_finance\_and\_insurance | Total Population in Finance and Insurance industry | Num |
| industry\_realestate | Total Population in Real estate and rental and leasing industry | Num |
| industry\_professional | Total Population in Professional, scientific,tech Services industry | Num |
| industry\_\_management | Total Population in Management of Companies industry | Num |
| industry\_admin | Total Population in Admin and Support & Waste Management and Remediation industry | Num |
| industry\_educational | Total Population in Educational Services industry | Num |
| industry\_Health\_Care | Total Population in Health care and social assistance industry | Num |
| industry\_arts | Total Population in Arts, entertainment, and recreation industry | Num |
| industry\_accommodation | Total Population in Accommodation and food services industry | Num |
| industry\_other | Total Population in Other Services (except public admin) industry | Num |
| industry\_publicadministration | Total Population in Public Administration industry | Num |

13.DONAHUE\_POP\_5YEARGROUP\_2020**:** UMass Donahue Institute 2020 population estimates bycity/town, 5 year age groups, race/ethnicity, and sex

| **Variable Name** | **Variable Description** | **Format** |
| --- | --- | --- |
| Year | Year of population estimates | Date |
| Community\_code | Code for Community Names (001 – 351) | Num |
| Community | Name of City/Town | Char |
| sex\_code | Numeric Code for Sex Variable  1 = MALE  2 = FEMALE  3 = TOTAL | Num |
| sex | DESCRIPTION: Sex of population estimate  Male  Female  Total | Char |
| Age\_Group\_Code | Numeric Code for Age Groups  101 = Under 5 years  102 = 5 to 9 years  103 = 10 to 14 years  104 = 15 to 19 years  105 = 20 to 24 years  106 = 25 to 29 years  107 = 30 to 34 years  108 = 35 to 39 years  109 = 40 to 44 years  110 = 45 to 49 years  111 = 50 to 54 years  112 = 55 to 59 years  113 = 60 to 64 years  114 = 65 to 69 years  115 = 70 to 74 years  116 = 75 to 79 years  117 = 80 to 84 years  118 = 85 years and over  119 = Total all ages | Num |
| Age\_Group\_Description | Description: Age Group breakdown in 5 year increments  Under 5 years  5 to 9 years  10 to 14 years  15 to 19 years  20 to 24 years  25 to 29 years  30 to 34 years  35 to 39 years  40 to 44 years  45 to 49 years  50 to 54 years  55 to 59 years  60 to 64 years  65 to 69 years  70 to 74 years  75 to 79 years  80 to 84 years  85 years and over  Total all ages | Char |
| Ethnicity\_Description | Description: Ethnicity of Population Estimates  Hispanic  Non-Hispanic | Char |
| Ethnicity\_Code | Numeric Code for Ethnicity Variable  9 = Hispanic  75 = Non-Hispanic | Num |
| Race\_Code | Numeric code for race variable  1 = White  2 = Black or African American  3 = Asian  4 = American Indian or Alaska Native  5 = Native Hawaiian or Other Pacific Islander  72 = Multi - Race | Num |
| Race\_Description | Race for Population Estimates  White  Black or African American  Asian  American Indian or Alaska Native  Native Hawaiian or Other Pacific Islander  Multi - Race | Char |
| Race\_Ethnicity\_Code | Numeric Code for Race/Ethnicity  1 = White – Not Hispanic  2 = Black or African American – Not Hispanic  3 = Asian – Not Hispanic  4 = American Indian or Alaska Native – Not Hispanic  5 = Native Hawaiian or Other Pacific Islander – Not Hispanic  72 = Multi – Race – Not Hispanic  33 = White – Hispanic  34 = Black or African American – Hispanic  35 = Asian – Hispanic  36 = American Indian or Alaska Native – Hispanic  37 = Native Hawaiian or Other Pacific Islander – Hispanic  73 = Multi – Race – Hispanic | Num |
| Race\_Ethnicity\_Description | Description: Description of Race/Ethnicity for population estimates  White – Not Hispanic  Black or African American – Not Hispanic  Asian – Not Hispanic  American Indian or Alaska Native – Not Hispanic  Native Hawaiian or Other Pacific Islander – Not Hispanic  Multi – Race – Not Hispanic  White – Hispanic  Black or African American – Hispanic  Asian – Hispanic  American Indian or Alaska Native – Hispanic  Native Hawaiian or Other Pacific Islander – Hispanic  Multi – Race – Hispanic | Char |
| Population | Population Estimates | Num |
| res\_code | PHD Community Code (1 – 351) | NUM |

14.DONAHUE\_POP\_SINGLEYEARS\_2020**:** UMass Donahue Institute 2020 population estimates bycity/town, single year(under 1 – 20 years), race/ethnicity, and sex

| **Variable Name** | **Variable Description** | **Format** |
| --- | --- | --- |
| Year | Year of population estimates | Date |
| Community\_code | Code for Community Names (001 – 351) | Num |
| Community | Name of City/Town | Char |
| sex\_code | Numeric Code for Sex Variable  1 = MALE  2 = FEMALE  3 = TOTAL | Num |
| sex | DESCRIPTION: Sex of population estimate  Male  Female  Total | Char |
| Age\_Group\_Code | Numeric Code for Age Groups  201 = Under 1 year  202 = 1 year  203 = 2 years  204 = 3 years  205 = 4 years  206 = 5 years  207 = 6 years  208 = 7 years  209 = 8 years  210 = 9 years  211 = 10 years  212 = 11 years  213 = 12 years  214 = 13 years  215 = 14 years  216 = 15 years  217 = 16 years  218 = 17 years  219 = 18 years  220 = 19 years  221 = 20 years | Num |
| Age\_Group\_Description | Description: Age Group breakdown in 5 year increments  201 = Under 1 year  202 = 1 year  203 = 2 years  204 = 3 years  205 = 4 years  206 = 5 years  207 = 6 years  208 = 7 years  209 = 8 years  210 = 9 years  211 = 10 years  212 = 11 years  213 = 12 years  214 = 13 years  215 = 14 years  216 = 15 years  217 = 16 years  218 = 17 years  219 = 18 years  220 = 19 years  221 = 20 years | Char |
| Ethnicity\_Description | Description: Ethnicity of Population Estimates  Hispanic  Non-Hispanic | Char |
| Ethnicity\_Code | Numeric Code for Ethnicity Variable  9 = Hispanic  75 = Non-Hispanic | Num |
| Race\_Code | Numeric code for race variable  1 = White  2 = Black or African American  3 = Asian  4 = American Indian or Alaska Native  5 = Native Hawaiian or Other Pacific Islander  72 = Multi - Race | Num |
| Race\_Description | Race for Population Estimates  White  Black or African American  Asian  American Indian or Alaska Native  Native Hawaiian or Other Pacific Islander  Multi - Race | Char |
| Race\_Ethnicity\_Code | Numeric Code for Race/Ethnicity  1 = White – Not Hispanic  2 = Black or African American – Not Hispanic  3 = Asian – Not Hispanic  4 = American Indian or Alaska Native – Not Hispanic  5 = Native Hawaiian or Other Pacific Islander – Not Hispanic  72 = Multi – Race – Not Hispanic  33 = White – Hispanic  34 = Black or African American – Hispanic  35 = Asian – Hispanic  36 = American Indian or Alaska Native – Hispanic  37 = Native Hawaiian or Other Pacific Islander – Hispanic  73 = Multi – Race – Hispanic | Num |
| Race\_Ethnicity\_Description | Description: Description of Race/Ethnicity for population estimates  White – Not Hispanic  Black or African American – Not Hispanic  Asian – Not Hispanic  American Indian or Alaska Native – Not Hispanic  Native Hawaiian or Other Pacific Islander – Not Hispanic  Multi – Race – Not Hispanic  White – Hispanic  Black or African American – Hispanic  Asian – Hispanic  American Indian or Alaska Native – Hispanic  Native Hawaiian or Other Pacific Islander – Hispanic  Multi – Race – Hispanic | Char |
| Population | Population Estimates | Num |
| res\_code | PHD Community Code (1 – 351) | Num |

|  |  |  |  |
| --- | --- | --- | --- |
| **Variable Name** | **Variable Description** | **Meta Data** | **Format** |
| Carc\_PP\_CRI | Carceral spending person |  | Num |
| Health\_PP\_CRI | Health spending per person |  | Num |
| HS\_PP\_CRI | Health + Support spending per person |  | Num |
| MA\_city\_CRI | Massachusetts city/town | 1-59 for valid MA city  See [below table](#_MA_City_CRI) | Num |
| Pop\_2020\_CRI | 2020 population count |  | Num |
| Score\_CRI | CRI Score | Carceral Resource Index ranges from 1 to -1, which measures city government spending on carceral resources relative to spending on health and supportive services (i.e. positive CRI = greater spending on health/support services; negative CRI = greater spending on carceral resources | Num |
| Support\_PP\_CRI | Support spending per person |  | Num |
| Tot\_Carc\_CRI | Total carceral spending | Total amount of budget spending on carceral resources | Num |
| Tot\_Health\_CRI | Total health spending | Total amount of budget spending on health resources | Num |
| Tot\_Spprt\_CRI | Total support spending | Total among of budget spending on health resources | Num |

# **Carceral Resource Index (PHDCENS.CRI)**

|  |
| --- |
| MA\_City\_CRI |
| AGAWAM | 5 |
| AMESBURY | 7 |
| AMHERST | 8 |
| ATTLEBORO | 16 |
| BARNSTABLE | 20 |
| BEVERLY | 30 |
| BOSTON | 35 |
| BRAINTREE | 40 |
| BRIDGEWATER | 42 |
| BROCKTON | 44 |
| CAMBRIDGE | 49 |
| CHELSEA | 57 |
| CHICOPEE | 61 |
| EAST LONGMEADOW | 85 |
| EASTHAMPTON | 87 |
| EVERETT | 93 |
| FALL RIVER | 95 |
| FITCHBURG | 97 |
| FRAMINGHAM | 100 |
| FRANKLIN | 101 |
| GARDNER | 103 |
| GLOUCESTER | 107 |
| GREENFIELD | 113 |
| HAVERHILL | 128 |
| HOLYOKE | 137 |
| LAWRENCE | 149 |
| LEOMINSTER | 153 |
| LOWELL | 160 |
| MALDEN | 165 |
| MARLBOROUGH | 170 |
| MEDFORD | 176 |
| MELROSE | 178 |
| METHUEN | 181 |
| NEW BEDFORD | 201 |
| NEWBURYPORT | 206 |
| NEWTON | 207 |
| NORTH ADAMS | 209 |
| NORTH ATTLEBOROUGH | 211 |
| NORTHAMPTON | 214 |
| PALMER | 227 |
| PEABODY | 229 |
| PITTSFIELD | 236 |
| QUINCY | 243 |
| RANDOLPH | 244 |
| REVERE | 248 |
| SALEM | 258 |
| SOMERVILLE | 274 |
| SOUTHBRIDGE | 275 |
| SPRINGFIELD | 281 |
| TAUNTON | 293 |
| WALTHAM | 308 |
| WATERTOWN | 314 |
| WEST SPRINGFIELD | 325 |
| WESTFIELD | 329 |
| WEYMOUTH | 336 |
| WINTHROP | 346 |
| WOBURN | 347 |
| WORCESTER | 348 |

|  |  |  |  |
| --- | --- | --- | --- |
| **Variable Name** | **Variable Description** | **Meta Data** | **Format** |
| Drug | Drug name | 28 character variable | Char |
| Seizure\_Date | Date of drug seizure | Numeric date of drug seizure, MMDDYY10. | Num |
| Quantity | Total count of drug quantity | Count  99=Unknown/Blanks | Num |
| Unit | Unit name | 2 character variable  Dosage unit-DU  Kilogram-KG  (see appendix 1 below) | Char |
| County | County name where drug seizure occurred | 12 character variable | Char |
| Year | Year of drug seizure | YYYY | Num |
| Month | Month of drug seizure | MM | Num |
| Drugcat1 | Type of Drug Category | Numeric value  1=Sedative  2=Opioid  3=Stimulant  4=Anticonvulsants  5=Antidepressants  (see appendix 2 below) | Num |

County Drug Seizure Data (PHDCENS.DRUG\_SEIZURE)

### Appendix 1: Drug Category Classification

| Drug Category Numeric Value | Drug Category Character Value | Drugs Listed by Category |
| --- | --- | --- |
| 1 | Sedative | Alprazolam, Benzodiazepine, Clonazepam, Diazepam, Lorazepam, Carisoprodol, Hydromorphone, Clonidine, Ketamine, GHB |
| 2 | Opioid | Buprenorphine, Carfentanil, Codeine, Fentanyl, Heroin, Heroin- Mexican Black Tar, Heroin- Mexican Brow, Hydrocodone, Hydromorphone, Methadone, Morphine, Oxycodone, Tramadol |
| 3 | Stimulant | Cocaine, Amphetamine, Crack, Dextroamphetamine, Ice, Khat, 'Methamphetamine, Methylphenidate |
| 4 | Anticonvulsants | Gabapentin |
| 5 | Antidepressants | Sertraline, Citalopram, Trazodone |

### Appendix 2: Unit

|  |  |
| --- | --- |
| Unit of Measurement | Explanation |
| Dosage Unite (DU) | DU stands for Dosage Units, or any drug in its collected form (pill, powder, etc.). NEHIDTA do not convert, nor do they use formulas for converting DU to Kg. If a substance is seized and the evidence is weighed as opposed to counted, then the weight is reported. If the substance is counted, then they get a DU count. This is solely dependent on how the seizing agency handles and reports the seizure within their parent agency’s protocols. |

# Death Records – (PHDDEATH.DEATH)

| **Variable Name** | **Variable Description** | **Meta Data** | **Format** |
| --- | --- | --- | --- |
| ID | PHD ID | 9 character alphanumeric ID | Char |
| Match\_level\_DEATH | CHIA Match level | 1= These are members within the APCD that received a high score against the DPH input record. Candidates in this group are those that perfectly matched all elements of the DPH input record and those that generally had only one element mismatch. The threshold applied to group 1 candidates has been optimized based upon the input elements and their overall weight in determining a unique individual match.  2=This group contains members within the APCD that received a lower score against the DPH input record yet are considered possible matches. Candidates in this group could match on as little as SSN or date of birth and first name. These candidates are included for completeness. | Num |
| AGE\_DEATH | Age at time of death | 1-199 in years  2XX= months 1-11 (i.e. 201 = 1 month)  4XX=days 1-30 (i.e. 401 = 1 day)  5XX = hours (i.e. 501=1 hour)  6XX = minutes (I.e. 601=1 minute) 999=Unknown | Num |
| AGE\_DEATH\_UNITS | Units for age variable | 1=Minutes  2=Hours  3=Days  4=Weeks 5=Months  6=Years 9=Unknown Age | Num |
| AUTOPSY | Was an autopsy performed? | 0=No  1=Yes 9=Unknown | Num |
| CENSUS\_IND\_DEATH | Bureau of census industry code | 4 digit bureau of census industry code | Num |
| CENSUS\_OCC\_DEATH | Bureau of census occupation code | 4 digit bureau of census occupation code | Num |
| CONTRIB\_CAUSE1 | ICD codes for underlying and other mentionable causes of death | ICD 10 code.  Characters 1-3 = Indicate the category of the diagnosis Characters 4-6 = Indicate etiology, anatomic site, severity, or other clinical detail | Char |
| CONTRIB\_CAUSE10 | ICD codes for underlying and other mentionable causes of death | ICD 10 code.  Characters 1-3 = Indicate the category of the diagnosis Characters 4-6 = Indicate etiology, anatomic site, severity, or other clinical detail | Char |
| CONTRIB\_CAUSE11 | ICD codes for underlying and other mentionable causes of death | ICD 10 code.  Characters 1-3 = Indicate the category of the diagnosis Characters 4-6 = Indicate etiology, anatomic site, severity, or other clinical detail | Char |
| CONTRIB\_CAUSE12 | ICD codes for underlying and other mentionable causes of death | ICD 10 code.  Characters 1-3 = Indicate the category of the diagnosis Characters 4-6 = Indicate etiology, anatomic site, severity, or other clinical detail | Char |
| CONTRIB\_CAUSE13 | ICD codes for underlying and other mentionable causes of death | ICD 10 code.  Characters 1-3 = Indicate the category of the diagnosis Characters 4-6 = Indicate etiology, anatomic site, severity, or other clinical detail | Char |
| CONTRIB\_CAUSE14 | ICD codes for underlying and other mentionable causes of death | ICD 10 code.  Characters 1-3 = Indicate the category of the diagnosis Characters 4-6 = Indicate etiology, anatomic site, severity, or other clinical detail | Char |
| CONTRIB\_CAUSE15 | ICD codes for underlying and other mentionable causes of death | ICD 10 code.  Characters 1-3 = Indicate the category of the diagnosis Characters 4-6 = Indicate etiology, anatomic site, severity, or other clinical detail | Char |
| CONTRIB\_CAUSE2 | ICD codes for underlying and other mentionable causes of death | ICD 10 code.  Characters 1-3 = Indicate the category of the diagnosis Characters 4-6 = Indicate etiology, anatomic site, severity, or other clinical detail | Char |
| CONTRIB\_CAUSE3 | ICD codes for underlying and other mentionable causes of death | ICD 10 code.  Characters 1-3 = Indicate the category of the diagnosis Characters 4-6 = Indicate etiology, anatomic site, severity, or other clinical detail | Char |
| CONTRIB\_CAUSE4 | ICD codes for underlying and other mentionable causes of death | ICD 10 code.  Characters 1-3 = Indicate the category of the diagnosis Characters 4-6 = Indicate etiology, anatomic site, severity, or other clinical detail | Char |
| CONTRIB\_CAUSE5 | ICD codes for underlying and other mentionable causes of death | ICD 10 code.  Characters 1-3 = Indicate the category of the diagnosis Characters 4-6 = Indicate etiology, anatomic site, severity, or other clinical detail | Char |
| CONTRIB\_CAUSE6 | ICD codes for underlying and other mentionable causes of death | ICD 10 code.  Characters 1-3 = Indicate the category of the diagnosis Characters 4-6 = Indicate etiology, anatomic site, severity, or other clinical detail | Char |
| CONTRIB\_CAUSE7 | ICD codes for underlying and other mentionable causes of death | ICD 10 code.  Characters 1-3 = Indicate the category of the diagnosis Characters 4-6 = Indicate etiology, anatomic site, severity, or other clinical detail | Char |
| CONTRIB\_CAUSE8 | ICD codes for underlying and other mentionable causes of death | ICD 10 code.  Characters 1-3 = Indicate the category of the diagnosis Characters 4-6 = Indicate etiology, anatomic site, severity, or other clinical detail | Char |
| CONTRIB\_CAUSE9 | ICD codes for underlying and other mentionable causes of death | ICD 10 code.  Characters 1-3 = Indicate the category of the diagnosis Characters 4-6 = Indicate etiology, anatomic site, severity, or other clinical detail | Char |
| DOD | Date of death | **Date Proxy** – count of days between death date and randomly chosen date in the past  NOTE: The larger the date proxy, the more recently the event occurred | Num |
| EDU\_DEATH | Education level | 1 = HS or less 2 = 13+ years 9 = Unknown  10=Special Education | Num |
| FOREIGN\_BORN\_DEATH | Was decedent US or foreign born? | 0=US born  1=Foreign born  9=Unknown | Num |
| HOMELESS\_DEATH | N/A | 0=No indication of homeless 1=Homeless based on address match only  2=Homeless based on OCME intake only  3=Homeless based on both address and OCME intake | Num |
| INC\_CODE\_DEATH | Text for city/town where death occurred | 1-351 = valid MA city/town 888=Known, but not MA 999 = missing/unknown/invalid | Num |
| MANNER | Manner of death | 1 = Natural 2 = Accident 3 = Homicide 4 = Suicide 5 = Could not be Determined 6 = Pending Investigation 7 = Other 8 = Therapeutic Complication  9=Unknown | Num |
| MARITAL\_DEATH | Marital status at time of death | 1 = Single, Never married 2 = Married or separated 3 = Widowed 4 = Divorced 9 = Missing/Unknown | Num |
| MONTH\_DEATH | Month of death | Months, 1-12 | Num |
| MONTH\_SEQ | When in the month did the death occur? | 1= Death occur beginning of month (days 1,2,3,4) 2= Death occur middle of month (days 13,14,15,16) 3= Death occur end of month (days 28,29,30,31) 4= Everything else | Num |
| NAICS\_DEATH | North American Industry Classification System | 6 digit North American Industry code | Char |
| NAICS\_YEAR\_DEATH | Coding year for NAICS | 4 digit year | Num |
| OCME\_8TERMS | Medical Examiner Narrative text search for 8 terms: fentanyl, opioid, opiate, overdose, od, heroin, syringe, and needle | 0=No 1=Yes  Blanks= Not in OCME | Num |
| OCME\_PREGNANT | Medical Examiner Past Medical History text search for: Pregnant, Pregnancy | 0=No 1=Yes  Blanks= Not in OCME | Num |
| OCME\_SA | Medical Examiner Past Medical History text search for: Opioid, Heroin, opiate, probable od, od, overdose, possible O/D, substance abuse, polysubstance abuse, drug use | 0=No 1=Yes  Blanks= Not in OCME | Num |
| OCME\_TOX | Medical Examiner toxicology collected | 0=No 1=Yes  Blanks= Not in OCME | Num |
| OPIOID\_DEATH | Opioid death based on ICD10 codes or literal search | 0=No 1=Yes | Num |
| PLACE\_DEATH | Type of place where death occurred | 1=Hospital  2=Residence 3=Other 9=Unknown | Num |
| PREGNANT\_DEATH | Pregnancy checkbox | 1=Not pregnant in last year 2= Pregnant at death 3=No, But within 42 days 4=No, But Within 43 days-1 yr 7=Not on certificate (for out-of-state records only) 8=NA 9=Unknown  Blank= MF Record | Num |
| PREGNANCY | Combination of literal search and pregnancy checkbox- literal search for terms: Peripartum, Pregnancy, Pregnant, Ectopic, Chorioamnionitis, Amniotic, Intrauterine fetal demise, peripartum cardiomyopathy, uterine rupture, placental, postpartum, and eclampsia | 1= Yes, checkbox alone 2= Yes, literal search alone 3= Both 4= No  5= Unknown  Blank= MF Record | Num |
| Pregnancy\_Associated\_death | Is this death pregnancy-associated? The death of a woman while pregnant or within one year of end of pregnancy (including spontaneous or medical abortion, miscarriage, live birth or fetal death/stillbirth) from any cause related to or aggravated by her pregnancy or its management, but not from accidental or incidental causes.  From 2011-2015, this flag was created from Maternal Mortality and Morbidity Review Committee data system. Cases were identified through mandatory hospital report and linking birth and fetal death certificates to death certificates. Starting in 2016, this flag will come from Maternal Mortality and Morbidity Review Committee (MMRIA). In MMRIA data system, Pregnancy-associated deaths are identified by linking birth certificate/fetal death to death records and ICD codes/literal cause/pregnancy check box in death certificate. We also had hospital report before death certificate started including pregnancy check box. These records will be checked by MMRIA abstractors and confirmed by Vitals as needed. | 1=Yes  0=No  Blanks= Not in system yet | Num |
| Pregnancy\_Related\_Death | Was death found to be pregnancy related after review by the Maternal Mortality and Morbidity Review Committee (MMRIA) | 1=Yes  0=No  2=Possibly  3=Undetermined/injury  4=Unknown/Not yet determined  Blanks= not in MMRIA yet | Num |
| RACE\_DEATH | Race/ethnicity of the decedent | 1 = White non-Hispanic 2 = Black non-Hispanic 3 = Asian/PI non-Hispanic 4 = Hispanic 5 = American Indian or Other  9 = unknown | Num |
| RES\_CODE\_DEATH | Code for city/town of residence at time of death | 1-351 = valid MA city/town 999 = missing/unknown/invalid | Num |
| RES\_ZIP\_DEATH | Resident zip code at time of death | 5 digit zip 99999=Unknown | Char |
| SEX\_DEATH | Sex | 1 = male 2 = female 9 = unknown | Num |
| SOC\_DEATH | Standard Occupation code | XX-XXXX | Char |
| UNDERLYING\_CAUSE\_DEATH | ICD codes for underlying cause of death (coded to ICD-10) | ICD 10 code.  Characters 1-3 = Indicate the category of the diagnosis Characters 4-6 = Indicate etiology, anatomic site, severity, or other clinical detail | Char |
| VETERAN\_DEATH | Veteran's Status | 0=No 1=Yes 9=Unknown | Num |
| WEEKEND\_DEATH | Did the death occur on a weekend? | 0=No 1=Yes  9=Missing day of death | Num |
| YEAR\_DEATH | Year of death | Years, YYYY format (starts 2011) | Num |

\* The following International Classification of Disease (ICD-10) codes for mortality were selected from the underlying cause of death field to identify poisonings/overdoses: X40-X44, X60-X64, X85, and Y10-Y14. All multiple cause of death fields were then used to identify an opioid-related overdose death: T40.0, T40.1, T40.2, T40.3, T40.4, and T40.6.

For those records with no ICD coding yet – then literal search for any of the following 45 opioid-related terms on the cause of death text fields on death certificates:

* + OPIOID
  + ACTIQ
  + DOLOPHINE
  + MPHINE
  + DEMEROL
  + LEVPHANOL
  + LTAB
  + CODEINE
  + PENTAZOCINE
  + HEROIN
  + VICODIN
  + OXYCODONE
  + ENDOCET
  + DARVON
  + SUBLIMAZE
  + ULTRAM
  + PERCOCET
  + HYDROCODONE
  + OXYMPHONE
  + HYDROMPHONE
  + OPIUM
  + METHADONE
  + OPIATE
  + FENTANYL
  + PROPOXYPHENE
  + ANPP
  + 47700
  + PIPERIDINE
  + BUPRENPHINE
  + SUBOXONE
  + SUBUTEX
  + TRAMADOL
  + FENTANIL
  + DARVOCET
  + DEXTRPHAN
  + DILAUDID
  + EDDP
  + MEPERIDINE
  + OXYCONTIN
  + TAPENTADOL
  + HERION
  + OPIOD
  + OPOID
  + W-18
  + W18

# 

# Family Homelessness – Executive Office of Housing and Livable Communities (PHDDHCD.DHCD)

| **Variable Name** | **Variable Description** | **Meta Data** | **Format** |
| --- | --- | --- | --- |
| ID | Project Specific ID | 9 character alphanumeric ID | Char |
| Match\_level\_DHCD | CHIA Match level | 1= These are members within the APCD that received a high score against the DPH input record. Candidates in this group are those that perfectly matched all elements of the DPH input record and those that generally had only one element mismatch. The threshold applied to group 1 candidates has been optimized based upon the input elements and their overall weight in determining a unique individual match.  2= This group contains members within the APCD that received a lower score against the DPH input record yet are considered possible matches. Candidates in this group could match on as little as SSN or date of birth and first name. These candidates are included for completeness. | num |
| CHRON\_HEALTH\_DHCD | Chronic health condition. | 0=No 1=Yes 9=Unknown | Num |
| DESTINATION\_DHCD | Identifies where a client will stay just after exiting a project | See code list below | Num |
| DEV\_DISABILITY\_DHCD | Developmental disability | 0=No 1=Yes 9=Unknown | Num |
| DISABILITY\_DHCD | Indicate whether or not clients have a disabling condition. | 0=No 1=Yes 9=Unknown | Num |
| EXIT\_AGE\_DHCD | Age in years at exit from DHCD | Integer age in years | Num |
| EXIT\_DATE\_DHCD | The project exit date indicates a client has left the project. For residential projects this is the date of move out. | Count of days between project exit date and a random date in the past  **NOTE: The larger the date proxy, the more recently the event occurred**  (blank) = information is missing | Num |
| EXIT\_MONTH\_DHCD | Month of exit from project | Months, 1-12  (blank) = information is missing | Num |
| EXIT\_YEAR\_DHCD | Year of exit from project | Years, YYYY format  (blank) = information is missing | Num |
| HOH\_RELATION\_DHCD | Identifies one person to whom all other household members can be linked to at the time they enter a project | 1=Self 2=Head of household's child 3=Head of household's spouse/partner  4=Head of household's other relation member 5=Other; non-relation member | Num |
| HOMELESS\_COUNT\_LAST3YRS | Number of times the client has been on the streets, in ES, or SH in the past three years including today. For persons entering HMIS Project Type: Street Outreach, Emergency Shelter, & Safe Haven | 1=One time 2=Two times 3=Three times 4=Four or more times 8=Client doesn't know 9=Client refused 99=Data not collected | Num |
| HOMELESS\_MONTHS\_LAST3YRS | Total number of months homeless on the street, in ES, or SH in the past three years. For persons entering HMIS Project Type: Street Outreach, Emergency Shelter, & Safe Haven | 1=One month (this time is first month)  2-12  13=More than 12 months  88=Client doesn't know  98=Client refused  99=Data not collected | Num |
| HOMELESS\_START\_DATE | The beginning of the continuous period of homelessness on the streets, in emergency shelters, in safe havens, or moving back and forth between those places. For persons entering HMIS Project Type: Street Outreach, Emergency Shelter, & Safe Haven | Count of days between first homeless date and a random date in the past **NOTE: The larger the date proxy, the more recently the event occurred**  Please note: this data element was created by HUD in 2017. For clients entering prior to 2017 data are sporadic depending on if the record was updated after the data element was created.  (blank) = information is missing | Num |
| HOMELESS\_START\_MONTH | The month of the beginning of the continuous period of homelessness on the streets, in emergency shelters, in safe havens, or moving back and forth between those places. | Months, 1-12.  Please note: this data element was created by HUD in 2017. For clients entering prior to 2017 data are sporadic depending on if the record was updated after the data element was created.  (blank) = information is missing | Num |
| HOMELESS\_START\_YEAR | The year of the beginning of the continuous period of homelessness on the streets, in emergency shelters, in safe havens, or moving back and forth between those places. | Years, YYYY format  Please note: this data element was created by HUD in 2017. For clients entering prior to 2017 data are sporadic depending on if the record was updated after the data element was created.  (blank) = information is missing | Num |
| LENGTH\_PRIOR\_DHCD | Length of time the client was residing in their previous place of stay. For persons entering HMIS Project Type: Street Outreach, Emergency Shelter, & Safe Haven | 1=One night or less 2=Two to six nights 3=One week or more, but less than one month 4=One month or more, but less than 90 days 5=90 days or more, but less than one year 6=One year or longer 8=Client doesn't know 9=Client refused 99=Data not collected  Please note: this data element was created by HUD in 2017. For clients entering prior to 2017 data are sporadic depending on if the record was updated after the data element was created. | Num |
| PHYS\_DISABILITY\_DHCD | Physical disability | 0=No 1=Yes 9=Unknown | Num |
| RACE\_DHCD | Client's race/ethnicity | 1 = White non-Hispanic 2 = Black non-Hispanic 3 = Asian/PI non-Hispanic 4 = Hispanic 5 = American Indian or Other  9 = Unknown | Num |
| RES\_TYPE\_DHCD | Type of Residence that most closely matches where the client was living prior to project start. For persons entering HMIS Project Type: Street Outreach, Emergency Shelter, & Safe Haven | See code list below  Please note: this data element was created by HUD in 2017. For clients entering prior to 2017 data are sporadic depending on if the record was updated after the data element was created. | Num |
| SEX\_DHCD | Client's sex | 1 = Male 2 = Female 9 = Unknown or nonbinary | Num |
| START\_AGE\_DHCD | Age in years at entry to DHCD | Integer age in years | Num |
| START\_DATE\_DHCD | The project start date indicates a client is now being assisted by the project | Count of days between project start date and a random date in the past **NOTE: The larger the date proxy, the more recently the event occurred**  (blank) = information is missing | Num |
| START\_MONTH\_DHCD | The project start month | Months, 1-12  (blank) = information is missing | Num |
| START\_YEAR\_DHCD | The project start year | Years, YYYY format  (blank) = information is missing | Num |
| VETERAN\_DHCD | Indicates whether clients are veterans of the United States armed forces | 0=No 1=Yes 9=Unknown | Num |

| **Value** | **Meaning** | Res\_Type\_DHCD **(X means it is a valid option for this variable)** | Destination\_DHCD **(X means it is a valid option for this variable)** |
| --- | --- | --- | --- |
| 1 | Emergency shelter, including hotel or motel paid for with emergency shelter voucher, or RHY-funded Host Home shelter | X | X |
| 2 | Transitional housing for homeless persons (including homeless youth) | X | X |
| 3 | Permanent housing (other than RRH) for formerly homeless persons | X | X |
| 4 | Psychiatric hospital or other psychiatric facility | X | X |
| 5 | Substance abuse treatment facility or detox center | X | X |
| 6 | Hospital or other residential non-psychiatric medical facility | X | X |
| 7 | Jail, prison, or juvenile detention facility | X | X |
| 8 | Client doesn’t know | X | X |
| 9 | Client refused | X | X |
| 10 | Rental by client, no ongoing housing subsidy | X | X |
| 11 | Owned by client, no ongoing housing subsidy | X | X |
| 12 | Staying or living with family, temporary tenure (e.g. room, apartment, or house) |  | X |
| 13 | Staying or living with friends, temporary tenure (e.g. room, apartment, or house) |  | X |
| 14 | Hotel or motel paid for without emergency shelter voucher | X | X |
| 15 | Foster care home or foster care group home | X | X |
| 16 | Place not meant for habitation (e.g., a vehicle, an abandoned building, bus/train/subway station/airport or anywhere outside) | X | X |
| 17 | Other |  | X |
| 18 | Safe Haven | X | X |
| 19 | Rental by client, with VASH housing subsidy | X | X |
| 20 | Rental by client, with other ongoing housing subsidy | X | X |
| 21 | Owned by client, with ongoing housing subsidy | X | X |
| 22 | Staying or living with family, permanent tenure |  | X |
| 23 | Staying or living with friends, permanent tenure |  | X |
| 24 | Deceased |  | X |
| 25 | Long-term care facility or nursing home | X | X |
| 26 | Moved from one HOPWA funded project to HOPWA PH |  | X |
| 27 | Moved from one HOPWA funded project to HOPWA TH |  | X |
| 28 | Rental by client, with GPD TIP housing subsidy | X | X |
| 29 | Residential project or halfway house with no homeless criteria | X | X |
| 30 | No exit interview completed |  | X |
| 31 | Rental by client, with RRH or equivalent subsidy | X | X |
| 32 | Host Home (non-crisis) | X | X |
| 33 | Rental by client, with HCV voucher (tenant or project based) | X | X |
| 34 | Rental by client in a public housing unit | X | X |
| 35 | Staying or living in a family member’s room, apartment, or house | X |  |
| 36 | Staying or living in a friend’s room, apartment, or house | X |  |
| 99 | Data not collected | X | X |

# Department of Industrial Accidents - Worker’s Compensation (PHDDIA.DIA)

| **Variable Name** | **Variable Description** | **Meta Data** | **Format** |
| --- | --- | --- | --- |
| ID | Project Specific ID | 9-character alphanumeric ID | Char |
| Match\_level\_DIA | CHIA Match level | 1= These are CHIA members that received a high score against the DPH input record. This group includes those that matched all elements of the DPH input record and those that had only one element mismatch. The group 1 individual match determination has been optimized based upon the input elements and their overall weight.  2= This group contains members within the APCD that received a lower score against the DPH input record yet are considered *possible* matches. Candidates in this group could match on as little as SSN or date of birth and first and last name. These candidates are included for completeness. | Num |
| ANSI\_BODY1 | ANSI Body part affected (first listed) | [See code list](#_ANSI_BODY1_-_ANSI_BODY6)  999=missing | Num |
| ANSI\_BODY2 | ANSI Body part affected (2nd listed) | [See code list](#_ANSI_BODY1_-_ANSI_BODY6)  999=missing | Num |
| ANSI\_BODY3 | ANSI Body part affected (3rd listed) | [See code list](#_ANSI_BODY1_-_ANSI_BODY6)  999=missing | Num |
| ANSI\_BODY4 | ANSI Body part affected (4th listed) | [See code list](#_ANSI_BODY1_-_ANSI_BODY6)  999=missing | Num |
| ANSI\_BODY5 | ANSI Body part affected (5th listed) | [See code list](#_ANSI_BODY1_-_ANSI_BODY6)  999=missing | Num |
| ANSI\_BODY6 | ANSI Body part affected (6th listed) | [See code list](#_ANSI_BODY1_-_ANSI_BODY6)  999=missing | Num |
| ANSI\_BODY7 | ANSI Body part affected (7th listed) | [See code list](#_ANSI_BODY1_-_ANSI_BODY6)  999=missing | Num |
| ANSI\_BODY8 | ANSI Body part affected (8th listed) | [See code list](#_ANSI_BODY1_-_ANSI_BODY6)  999=missing | Num |
| ANSI\_NATURE1 | 1st nature of injury on the first report of injury | [See code list](#_ANSI_NATURE1-__ANSI_NATURE6)  999=missing | Num |
| ANSI\_NATURE2 | 2nd nature of injury on the first report of injury | [See code list](#_ANSI_NATURE1,_ANSI_NATURE2,_ANSI_NA)  999=missing | Num |
| ANSI\_NATURE3 | 3rd nature of injury on the first report of injury | [See code list](#_ANSI_NATURE1,_ANSI_NATURE2,_ANSI_NA)  999=missing | Num |
| ANSI\_NATURE4 | 4rd nature of injury on the first report of injury | [See code list](#_ANSI_NATURE1,_ANSI_NATURE2,_ANSI_NA)  999=missing | Num |
| ANSI\_NATURE5 | 5th nature of injury on the first report of injury | [See code list](#_ANSI_NATURE1,_ANSI_NATURE2,_ANSI_NA)  999=missing | Num |
| ANSI\_NATURE6 | 6th nature of injury on the first report of injury | [See code list](#_ANSI_NATURE1,_ANSI_NATURE2,_ANSI_NA)  999=missing | Num |
| ANSI\_NATURE7 | 7th nature of injury on the first report of injury | [See code list](#_ANSI_NATURE1,_ANSI_NATURE2,_ANSI_NA)  999=missing | Num |
| ANSI\_NATURE8 | 8 th nature of injury on the first report of injury | [See code list](#_ANSI_NATURE1,_ANSI_NATURE2,_ANSI_NA)  999=missing | Num |
| BIRTH\_YEAR\_DIA | Injured worker’s birth year | YYYY  9999=missing/unknown | Num |
| BIRTH\_MONTH\_DIA | Worker’s birth month | 1-12  99=missing/unknown | Num |
| BLS\_OCC\_DIA | BLS Occupation code | XX-XXXX [See BLS webpage](https://www.bls.gov/oes/current/oes_stru.htm)  99-9999 = missing/unknown | Char |
| CENSUS\_OCC\_DIA | Census Occupation code | 4 digit code [See webpage](https://www.census.gov/topics/employment/industry-occupation/guidance/indexes.html)  9999=missing | Num |
| COMPANY\_ZIP | Zip code of employer | 5 digit zip code  99999=missing/unknown | Char |
| DOD\_DIA | Worker DOD | Date Proxy – count of days between death date and randomly chosen date in the past  **NOTE: The larger the date proxy, the more recently the event occurred** | Num |
| DOD\_MONTH\_DIA | Month of death | Months, 1-12  99=missing/unknown | Num |
| DOD\_YEAR\_DIA | Year of death | YYYY  9999=missing/unknown | Num |
| DOI\_DIA | Date Worker injured | Date Proxy – count of days between injury date and randomly chosen date in the past  **NOTE: The larger the date proxy, the more recently the event occurred** | Num |
| DOI\_MONTH\_DIA | Month of injury | Months, 1-12  99=missing/unknown | Num |
| DOI\_YEAR\_DIA | Year of injury | YYYY  9999=missing/unknown | Num |
| INC\_ZIP\_DIA | Zip where the accident or injury occurred | 5 digit zip code  99999=missing/unknown | Char |
| INSURANCE\_DIA | Insurer's/Payer's name | text field | Char |
| NAICS\_DIA | NAICS Industry Code submitted by data reporters (e.g. insurers) through EDI | 6-digit code [See code list](#_NAICS_Sector_Codes)  999999=missing/unknown | Num |
| RES\_CODE\_DIA | City/town of worker's residence | 1-351 999=missing/unknown | Num |
| RETURN\_TO\_OCC | Will employee return to regular occupation? | 0=No 1=Yes  9=missing/unknown | Num |
| RETURN\_TO\_WORK | After 5 lost workdays, has employee returned to work? | 0=No 1=Yes  9=missing/unknown | Num |
| SELF\_INSURER | Self-insured employer? | 0=No 1=Yes  9=missing/unknown | Num |
| SEX\_DIA | Worker's sex | 1 = male 2 = female 9 = missing/unknown | Num |
| WEEKLY\_WAGE | Weekly average wage | $XXXX.XX  Blank=missing | Num |

| ANSI\_BODY1 - ANSI\_BODY8 | |
| --- | --- |
| 100=Head, UNS\* | 320=Wrist(s) |
| 110=Brain | 330=Hand(s), Not Wrists or Fingers |
| 120=Ear(s), UNS\* | 340=Finger(s) |
| 121=Ear(s), External | 398=Upper Extremities, Multiple |
| 124=Ear(s), Internal | 400=Trunk, UNS\* |
| 130=Eye(s), UNS\* | 410=Abdomen, Internal Organs, Inguinal Hernia |
| 140=Face, UNS\* | 420=Back |
| 141=Jaw, Chin | 430=Chest, Ribs, Breastbone, Internal Organs |
| 144=Mouth and Throat (vocal chords, larynx) | 440=Hip(s)..,Pelvis, Organs and Buttocks |
| 146=Nose | 450=Shoulder(s) |
| 148=Face, Multiple Parts | 498=Trunk, Multiple |
| 149=Face, NEC\*\* | 500=Lower Extremities |
| 150=Scalp | 510=Leg(s), UNS\* |
| 160=Skull | 513=Knee(s) |
| 198=Head Multiple | 515=Lower Leg(s) |
| 200=Neck & Cervical Vertebrae | 518=Leg(s), Multiple |
| 300=Upper Extremities, NEC\*\* | 519=Leg(s), NEC\*\* |
| 310=Arm(s), UNS\* | 520=Ankle(s) |
| 311=Upper Arm | 530=Foot or Feet, Not Ankle |
| 313=Elbow(s) | 540=Toe(s) |
| 315=Forearm(s) | 598=Lower Extremities, Multiple |
| 318=Arm(s), Multiple | 700=MULTIPLE PARTS. Applies when more than one major body part has been effected such as an arm and a leg |
|  | 800= Body System, not specific |
| 319=Arm(s), NEC\*\* | 999=NON-CLASSIFIABLE - Insufficient information to identify part of body effected. Includes damage to prosthetic devices |

| ANSI\_NATURE1- ANSI\_NATURE8 | |
| --- | --- |
| 100=Amputation or Erucloation | 283=Asbestosis |
| 110=Asphyxia or Strangulation Etc. | 284=Byssinosis |
| 120=Burns (Heat) | 285=Siderosis |
| 130=Burns (Chemical) | 286=Silicosis |
| 140=Concussion | 287=Other Pneumoconioses |
| 150=Infective or Parasitic Disease, UNS\* | 289=Pneumoconiosis and Tuberculosis |
| 151=Amebiasis | 290=Radiation Effects, UNS\* |
| 152=Anthrax | 291=Non-Ionizing Radiation |
| 153=Brucellosis | 292=Microwaves |
| 154=Conjunctivitis and Opthalmia | 293=Ionizing Radiation - X-Ray |
| 156=Tetanus | 294=Ionizing Radiation - Isotopes |
| 157=Tuberculosis | 295=Welder’s Flash |
| 159=Other Infective or Parasitic Diseases | 300=Scratches, Abrasions |
| 160=Contusion, Crushing, Bruise | 310=Sprains, Strains |
| 170=Cut, Laceration, Puncture | 320=Hemorrhoids |
| 180=Dermatitis, UNS\* | 330=Hepatitis, Serum and Infective |
| 183=Primary Infections of the Skin | 400=Multiple Injuries |
| 184=Other Skin Conditions | 500=Effects of Changes in Atmospheric Pressure |
| 185=Dermatitis, Allergenic or Contact | 510=Cardiovascular and Other Conditions of the Circulatory System |
| 189=Skin Condition, NEC\*\* | 520=Complications Peculiar to Medical Care |
| 190=Dislocation | 530=Eye, other Diseases of the Eye |
| 200=Electric Shock, Electrocution | 540=Mental Disorders |
| 210=Fracture | 550=Neoplasm Tumor, UNS\* |
| 220=Effects of Exposure to Low Temperature | 551=Malignant |
| 230=Hearing Loss or Impairment | 552=Benign |
| 240=Effects of Environmental Heat | 560=Nervous System, Conditions of - NEC\*\* |
| 250=Hernia, Rupture | 561=Diseases of the Central Nervous System |
| 260=Inflammation of Joints, Etc. | 562=Diseases of the Nerves and Peripheral Ganglia |
| 265=Carpal Tunnel Syndrome | 570=Respiratory Systems, Conditions of |
| 270=Poisoning, Systemic, UNS\* | 571=Upper Respiratory |
| 271=Due to Toxic Materials other than Lead | 572=Asthma, Influenza, Pneumonia |
| 272=Diseases of the Blood and Blood Forming Organs | 580=Symptoms and Ill-defined Conditions |
| 273=Upper Respiratory Conditions | 900=No Illness |
| 274=Influenza, Pneumonia, Etc. | 900=No Injury |
| 275=Hepatitis, Toxic | 950=Damage to Prosthetic Devices |
| 276=Other Diseases of the Gastro-Intestinal Tract | 990=Occupational Disease, NEC\*\* |
| 278=Effects of Lead | 991=Heart Condition ,Excludes Heart Attack |
| 279=Other Toxic Effects of One System Only | 995 =No Other Injury, NEC\*\* |
| 280=Pneumoconiosis | 998 =Non-classifiable |
| 281=Aluminosis | 999 =Missing/unknown |
| 282=Anthracosis |  |

| NAICS Sector Codes |
| --- |
| 11 Agriculture, Forestry, Fishing and Hunting |
| 21 Mining, Quarrying, and Oil and Gas Extraction |
| 22 Utilities |
| 23 Construction |
| 31-33 Manufacturing |
| 42 Wholesale Trade |
| 44-45 Retail Trade |
| 48-49 Transportation and Warehousing |
| 51 Information |
| 52 Finance and Insurance |
| 53 Real Estate and Rental and Leasing |
| 54 Professional, Scientific, and Technical Services |
| 55 Management of Companies and Enterprises |
| 56 Administrative, Support, Waste Management, Remediation Svcs. |
| 61 Educational Services |
| 62 Health Care and Social Assistance |
| 71 Arts, Entertainment, and Recreation |
| 72 Accommodation and Food Services |
| 81 Other Services (except Public Administration) |
| 92 Public Administration |

| NAICS Subsector Codes |
| --- |
| 111 Crop Production |
| 112 Animal Production and Aquaculture |
| 113 Forestry and Logging |
| 114 Fishing, Hunting and Trapping |
| 115 Support Activities for Agriculture and Forestry |
| 211 Oil and Gas Extraction |
| 212 Mining (except Oil and Gas) |
| 213 Support Activities for Mining |
| 221 Utilities |
| 236 Construction of Buildings |
| 237 Heavy and Civil Engineering Construction |
| 238 Specialty Trade Contractors |
| 311 Food Manufacturing |
| 312 Beverage and Tobacco Product Manufacturing |
| 313 Textile Mills |
| 314 Textile Product Mills |
| 315 Apparel Manufacturing |
| 316 Leather and Allied Product Manufacturing |
| 321 Wood Product Manufacturing |
| 322 Paper Manufacturing |
| 323 Printing and Related Support Activities |
| 324 Petroleum and Coal Products Manufacturing |
| 325 Chemical Manufacturing |
| 326 Plastics and Rubber Products Manufacturing |
| 327 Nonmetallic Mineral Product Manufacturing |
| 331 Primary Metal Manufacturing |
| 332 Fabricated Metal Product Manufacturing |
| 333 Machinery Manufacturing |
| 334 Computer and Electronic Product Manufacturing |
| 335 Electrical Equipment, Appliance, and Component Manufacturing |
| 336 Transportation Equipment Manufacturing |
| 337 Furniture and Related Product Manufacturing |
| 339 Miscellaneous Manufacturing |
| 423 Merchant Wholesalers, Durable Goods |
| 424 Merchant Wholesalers, Nondurable Goods |
| 425 Wholesale Electronic Markets and Agents and Brokers |
| 441 Motor Vehicle and Parts Dealers |
| 442 Furniture and Home Furnishings Stores |
| 443 Electronics and Appliance Stores |
| 444 Building Material and Garden Equipment and Supplies Dealers |
| 445 Food and Beverage Stores |
| 446 Health and Personal Care Stores |
| 447 Gasoline Stations |
| 448 Clothing and Clothing Accessories Stores |
| 451 Sporting Goods, Hobby, Musical Instrument, and Book Stores |
| 452 General Merchandise Stores |
| 453 Miscellaneous Store Retailers |
| 454 Nonstory Retailers |
| 481 Air Transportation |
| 482 Rail Transportation |
| 483 Water Transportation |
| 484 Truck Transportation |
| 485 Transit and Ground Passenger Transportation |
| 486 Pipeline Transportation |
| 487 Scenic and Sightseeing Transportation |
| 488 Support Activities for Transportation |
| 491 Postal Service |
| 492 Couriers and Messengers |
| 493 Warehousing and Storage |
| 511 Publishing Industries (except Internet) |
| 512 Motion Picture and Sound Recording Industries |
| 515 Broadcasting (except Internet) |
| 517 Telecommunications |
| 518 Data Processing, Hosting, and Related Services |
| 519 Other Information Services |
| 521 Monetary Authorities-Central Bank |
| 522 Credit Intermediation and Related Activities |
| 523 Securities, Commodity Contracts, and Other Financial Investments and Related Activities |
| 524 Insurance Carriers and Related Activities |
| 525 Funds, Trusts, and Other Financial Vehicles |
| 531 Real Estate |
| 532 Rental and Leasing Services |
| 533 Lessors of Nonfinancial Intangible Assets (except Copyrighted Works) |
| 541 Professional, Scientific, and Technical Services |
| 551 Management of Companies and Enterprises |
| 561 Administrative and Support Services |
| 562 Waste Management and Remediation Services |
| 611 Educational Services |
| 621 Ambulatory Health Care Services |
| 622 Hospitals |
| 623 Nursing and Residential Care Facilities |
| 624 Social Assistance |
| 711 Performing Arts, Spectator Sports, and Related Industries |
| 712 Museums, Historical Sites, and Similar Institutions |
| 713 Amusement, Gambling, and Recreation Industries |
| 721 Accommodation |
| 722 Food Services and Drinking Places |
| 811 Repair and Maintenance |
| 812 Personal and Laundry Services |
| 813 Religious, Grantmaking, Civic, Professional, and Similar Organizations |
| 814 Private Households |
| 921 Executive, Legislative, and Other General Government Support |
| 922 Justice, Public Order, and Safety Activities |
| 923 Administration of Human Resource Programs |
| 924 Administration of Environmental Quality Programs |
| 925 Administration of Housing Programs, Urban Planning, and Community Development |
| 926 Administration of Economic Programs |
| 927 Space Research and Technology |
| 928 National Security and International Affairs |

# Department of Correction (PHDDOC.DOC)

| **Variable Name** | **Variable Description** | **Meta Data** | **Format** |
| --- | --- | --- | --- |
| ID | Project Specific ID | 9 character alphanumeric ID | Char |
| Match\_level\_DOC | CHIA Match level | 1= These are CHIA members that received a high score against the DPH input record. This group includes those that matched all elements of the DPH input record and those that had only one element mismatch. The group 1 individual match determination has been optimized based upon the input elements and their overall weight.  2= This group contains members within the APCD that received a lower score against the DPH input record yet are considered *possible* matches. Candidates in this group could match on as little as SSN or date of birth and zip code. These candidates are included for completeness | Num |
| ADMIT\_RECENT\_AGE\_DOC | Age at admission for most recent admission for commitment | Age in years | Num |
| ADMIT\_RECENT\_MONTH\_DOC | Admission month for most recent admission for commitment | Months, 1-12 | Num |
| ADMIT\_RECENT\_YEAR\_DOC | Admission year for most recent admission for commitment | Years, YYYY format | Num |
| ADMIT\_RECENT\_DATE\_DOC | Most recent admission date for commitment | Date proxy: Count of days between most recent admission date and a random date in the past  **NOTE: The larger the date proxy, the more recently the event occurred** | Num |
| ADMIT\_INITIAL\_DATE\_DOC | Initial admission date for commitment | Date proxy: Count of days between initial admission date and a random date in the past  **NOTE: The larger the date proxy, the more recently the event occurred** | Num |
| ADMIT\_INITIAL\_MONTH\_DOC | Admission month for initial admission for commitment | Months, 1-12 | Num |
| ADMIT\_INITIAL\_YEAR\_DOC | Admission year for initial admission for commitment | Years, YYYY format | Num |
| ADMIT\_INITIAL\_AGE\_DOC | Admission age for initial admission for commitment | Age in years | Num |
| CUSTODY\_DOC | Custody includes all inmates who are incarcerated in a MA DOC facility. CFI stands for "county/federal/interstate" and includes inmates housed in correctional facilities outside of the MA DOC (i.e. MA HOCs, other state's correctional facilities, and federal bureau of prisons | 1= Custody 2= CFI (County, Federal, Interstate) | Num |
| GOV\_OFFENSE\_DOC | Reported offence of a criminally sentenced inmate that carries the longest max sentence. A criminally sentenced inmate has one governing offense.  (Only applies to individuals who are criminally sentenced, i.e., inmate\_type\_doc = 2) | 1=Property 2=Drug 3=Person 4=Sex 5=Other (Offenses that are not clearly categorized into one of the offense categories of Person, Property, Sex or Drug. Other Offenses include obstruction of justice, habitual criminal, prostitution and some weapons possession crimes.) | Num |
| INMATE\_TYPE\_DOC | The status of an inmate admitted to prison | 1=Pretrial 2=Criminal 3=Civil | Num |
| INSTITUTION\_DOC |  | See code list | Num |
| PRERELEASE\_MATRI | Participated in Medication Assisted Treatment Reentry Initiative (MATRI) during this incarceration | 0=No 1=Yes | Num |
| RACE\_DOC | Self-reported. Inmates who report a Hispanic ethnicity are reported as Hispanic | 1 = White Non-Hispanic 2 = Black non-Hispanic 3 = Asian/PI non-Hispanic 4 = Hispanic 5 = American Indian or Other  9 = Unknown | Num |
| RELEASE\_AGE\_DOC | Age at release | Age in years | Num |
| RELEASE\_CODE\_DOC | Release code | See code list | Num |
| RELEASE\_DATE\_DOC | Release date | Proxy date: Count of days between release date and a random date in the past  **NOTE: The larger the date proxy, the more recently the event occurred** | Num |
| RELEASE\_MONTH\_DOC | Release month | Months, 1-12 | Num |
| RELEASE\_TO\_COMMUNITY | Indicator that release was to community | 0=No 1=Yes  (Only applies to individuals who are criminally sentenced, i.e., inmate\_type\_doc = 2) | Num |
| RELEASE\_YEAR\_DOC | Release year | Years, YYYY format | Num |
| RELEASE\_ZIP\_DOC | Release zip code - self-reported | 5 digit zip code  99999=Unknown | Char |
| SECTION35\_DOC | Was commitment the result of Section 35? | 0=No 1=Yes | Num |
| SECURITY\_LEVEL | Security level designation of the releasing facility | 1=Pre-Release 2=Minimum 3=Medium 4=Maximum 5=ELMO (Massachusetts Probation Service’s Electronic Monitoring Program)  6 = Stony Brook Stabilization and Treatment Center  (Only applies to individuals who are criminally sentenced, i.e., inmate\_type\_doc = 2) | Num |
| SEX\_DOC | Gender | 1=Male 2=Female | Num |
| SMI\_DOC | Serious mental illness? | 0=No 1=Yes  Blank=missing/unknown | Num |
| VIOLENT\_CRIME | Reported offence of a criminally sentenced inmate that carries the longest max sentence. A criminally sentenced inmate as one governing offense. | 0=No (non-violent) 1=Yes (violent)  (Only applies to individuals who are criminally sentenced, i.e., inmate\_type\_doc = 2) | Num |

**Code Lists**

| Institution\_DOC | |
| --- | --- |
| 1 | Baystate Correctional Center |
| 2 | Boston Pre-Release Center |
| 3 | Bridgewater State Hospital |
| 4 | Brooke House |
| 5 | CFI County/Fed/Interstate (DOC) |
| 6 | Lemuel Shattuck Hospital Correctional Center |
| 7 | MA Alcohol & Subst Abuse Correctional Center |
| 8 | MA Treatment Center |
| 9 | MASAC at Plymouth |
| 10 | MCI Cedar Junction |
| 11 | MCI Concord |
| 12 | MCI Framingham |
| 13 | MCI Norfolk |
| 14 | MCI Plymouth |
| 15 | MCI Shirley |
| 16 | MCI Gardner |
| 17 | Northeastern Correctional Center |
| 18 | Old Colony Correctional Center |
| 19 | Pondville Correctional Center |
| 20 | South Middlesex Correctional Center |
| 21 | Souza-Baranowski Correctional Center |
| 22 | Spectrum Women Children Prg |

| RELEASE\_CODE\_DOC | **RELEASE\_DESCRIPTION** | **RELEASE\_TO\_COMMUNITY** |
| --- | --- | --- |
| 131 | Transfer to House of Correction |  |
| 132 | Transfer to Out of State |  |
| 133 | NON-DOC Inmate to HOC/FED/PD/OTHER STATE |  |
| 135 | Transfer to Federal Authority |  |
| 136 | \*Transfer to Other Authority |  |
| 137 | HABEAS to Court - Sentenced |  |
| 138 | HABEAS to Court - Did not Return |  |
| 139 | HABEAS to Court - Ret'd with new Case # |  |
| 141 | HABEAS to Court - Rec'd Forthwith Sent. |  |
| 144 | Escape |  |
| 145 | Death |  |
| 146 | \*HABED to Court - Escaped |  |
| 150 | Court Release - Sent REVOKE/STAY/VACATED | YES |
| 151 | \*Court Release - Sent VACATED |  |
| 152 | \*Court Release - Await Trial |  |
| 153 | \*Court Release - BAILED |  |
| 154 | \*Court Release - Sent STAYED |  |
| 155 | \*Released to PV Warrant |  |
| 156 | \*Released on Pers Recognizance |  |
| 157 | Crime Lab Court Release/JP | YES |
| 158 | \*Released from Out of State Detainer |  |
| 159 | Release from Out of STATE/FED Detainer |  |
| 160 | \*Unconditional Discharge |  |
| 161 | \*Experation of Sentence to Street |  |
| 162 | \*Voluntary Commitment Discharge |  |
| 163 | \*Alcohal Commitment Discharge |  |
| 164 | \*Release by Federal Authority |  |
| 165 | \*Release by Out of STATE/FED Authority |  |
| 166 | Pardon/Commutation |  |
| 167 | \*Voluntary Release Own Request |  |
| 168 | \*Expiration - to DOC/HOC Sentence |  |
| 169 | \*Expiration to Warrant |  |
| 170 | \*Paroled - Need to research |  |
| 171 | Bailed/Rel on Personal Recognizance |  |
| 172 | Bailed/Rel on Personal Recog to Warrant |  |
| 173 | \*Bailed to PV Warrant |  |
| 174 | \*Bailed to a Police Department |  |
| 175 | International Transfer |  |
| 178 | Release - to Correct Error |  |
| 179 | Release from MA Parole Detainer | YES |
| 180 | Parole to Street | YES |
| 181 | Parole to Out of State Sentence |  |
| 182 | Parole to Federal Authority |  |
| 183 | Parole to Immigration |  |
| 185 | Revised Sentence Crime Lab/Hampden | YES |
| 186 | Revised Sentence Crime Lab/JP | YES |
| 187 | Parole to From & After HOC Sentence |  |
| 188 | Parole to Warrant |  |
| 189 | Parole to From & After DOC Sentence |  |
| 190 | GCD/EXP/REL to Street | YES |
| 191 | GCD/EXP/REL to Out of State Sentence |  |
| 192 | GCD/EXP/REL to Federal Authority |  |
| 193 | GCD/EXP/REL to Immigration |  |
| 196 | Crime Lab Court Release/Hampden | YES |
| 197 | GCD/EXP/REL to F&A/CC HOC Sentence |  |
| 198 | GCD/EXP/REL to Warrant |  |
| 199 | GCD/EXP/REL to From & After/CC at DOC |  |
| 223 | \*Expiration to Civil Commitment |  |
| 229 | GCD/EXP/REL to Civil Commitment |  |
| 230 | \*GCD to CC at HOC |  |
| 234 | Parole to Civil Commitment |  |
| 235 | Release from Weekend Sentence |  |
| 239 | \*Release from Civil Comm. to a Warrant |  |
| 240 | \*Release from Civil Commitment |  |
| 242 | Transfer to Other Authority |  |
| 244 | Payment of Fine | YES |
| 245 | Payment of Fine to a Warrant |  |
| 246 | Expiration of Fine | YES |
| 247 | Expiration of Fine to a Warrant |  |
| 255 | Parole to Transitional Treatment Prog | YES |
| 261 | Crime Lab Court Release/Western | YES |
| 262 | Evidence Room Court Release/Braintree PD |  |
| 291 | Mandatory Parole as RTS |  |
| 292 | Medical Parole |  |
| 325 | Elopement |  |
| 392 | Mandatory Parole as RTS to Immigration *(added in 2020)* |  |
| 398 | Mandatory Parole as RTS to Street *(added in 2020, replaces 291)* |  |
| 437 | Video Conference/Other Court Order-Sent |  |
| 450 | Video Conference/Other Court Order-Rel |  |
| 506 | Medical Parole to Street *(added in 2020)* |  |

### Release Code Notes

| Release Code | Release Description | Notes |
| --- | --- | --- |
| 137 | HABEAS to Court - Sentenced | Physically appeared in court. Only applies to pre-trial or civil commitments. Sentenced to either HOC or DOC |
| 138 | HABEAS to Court – Did not return | Physically appeared in court. Only applies to pre-trial or civil commitments. DOC does not know where they went after court appearance |
| 144 | Escape | Only applies to inmate\_type\_doc = 2 |
| 159 | Release from out of state/fed detainer | They are sent to another state or federal facility |
| 171 | Bailed/Rel on Personal Recognizance | Only applies to pre-trial |
| 187 | Parole to From & After HOC sentence | Judge is essentially paroling first sentence so that individual can begin new sentence |
| 189 | Parole to From & After DOC sentence | Judge is essentially paroling first sentence so that individual can begin new sentence |
| 240 | Release from civil commitment | Could go to different jail or could go to community |
| 262 | Evidence Room Court Release/Braintree PD | Applies to specific case where Braintree police officer mishandled evidence and inmates were commuted or released |
| 292 | Medical Parole | Before 2020, this could be considered release\_to\_community. With COVID, some came back if their condition improved. |
| 325 | Elopement | Only applies to pre-trial |
| 437 | Video conference/Other Court Order - Sent | only applies to pre-trial. Had a video call instead of being in court; sentenced |
| 450 | Video Conference/Other Court Order -Rel | Only applies to pre-trial; had a video call instead of being in court; released |

# Department of Mental Health (PHDDMH.DMH)

| **Variable Name** | **Variable Description** | **Meta Data** | **Format** |
| --- | --- | --- | --- |
| ID | PHD ID | 9 character alphanumeric ID | Char |
| Match\_level\_DMH | CHIA Match level | 1= These are members within the APCD that received a high score against the DPH input record. Candidates in this group are those that perfectly matched all elements of the DPH input record and those that generally had only one element mismatch. The threshold applied to group 1 candidates has been optimized based upon the input elements and their overall weight in determining a unique individual match.  2=This group contains members within the APCD that received a lower score against the DPH input record yet are considered possible matches. Candidates in this group could match on as little as SSN or date of birth and first name. These candidates are included for completeness. | Num |
| Admit\_Legal\_DMH | Admitting Legal Status | 1=Forensic Eval,  2=Forensic Treatment,  3=Civil  4= Other  Blanks=Missing/Unknown | Num |
| Admit\_Source\_DMH | Referred from.  AdmitSource is collected for Inpatient only, it is blank for outpatient or community | [See table below](#_Admit_Source_DMH_1) | Num |
| Age\_DMH | Age at enrollment | Age in years  999= Missing | Num |
| Area\_DMH | DMH area client was assigned to for services Area Mnemonic | 1 = Metro Boston Area  2 = Central Massachusetts Area  3 = Metro Suburban Area  4 = Northeast Area  5 = Southeast Area  6 = Western Massachusetts Area  Blanks=Missing/Unknown | Num |
| Citizen\_DMH | Flag indicating clients US Citizenship | 0=No 1=Yes  9=Unknown/Missing | Num |
| DART\_DMH | Yes/no flag for DART status. DMH Admissions Referral Tracking | 0=No 1=Yes | Num |
| Dep\_Minors\_DMH | Number of Dependent Minors |  | Num |
| Diagnosis\_Date\_DMH | Date of diagnosis | Date Proxy – Count of days between diagnosis date and a random date in the past **NOTE: The larger the date proxy, the more recently the event occurred** | Num |
| Diagnosis\_Year\_DMH |  | Year of diagnosis | Num |
| Diagnosis\_Month\_DMH |  | Month of diagnosis (1-12)  Blanks: missing | Num |
| DIAGNOSISTYPE\_DMH | Primary Diagnosis Could be admit, interim or discharge diagnosis. | 1= Admit  2= Interim  3= Discharge  Blanks=Missing/Unknown | Num |
| Discharge\_Disp\_DMH | Discharge Disposition | [See table below](#_DispositionName) | Num |
| Discharge\_Legal\_DMH | Description of Discharge Disposition | 1=Forensic Eval 2=Forensic Treatment 3= Civil  Blanks=Missing/Unknown | Num |
| Disenrolled\_Date\_DMH | Date Client was dis-enrolled | Date Proxy – Count of days between disenrollment date and a random date in the past **NOTE: The larger the date proxy, the more recently the event occurred** | Num |
| Disenrolled\_Year\_DMH | Year of disenrollment | YYYY  Blanks=Missing | Num |
| Disenrolled\_Month\_DMH | Month of disenrollment | Month (1-12)  Blanks=Missing | Num |
| Education\_DMH | Reported Level of Education | 1 = Not of School Age 2 = No Formal Education 3 = Less than High School 4 = High School Diploma / GED 5 = Some College/Post-Secondary 6 = Associate/Certificate 7 = College Degree or Higher 8 = Other Credentials 95 = Unknown 99 = Missing | Num |
| Eligibility\_DMH | Status of Registration in DMH services | 0=No  1=Yes  Blanks=Missing/Unknown | Num |
| Employ\_End\_DMH | Date employment ended | Date Proxy – Count of days between employment end date and a random date in the past **NOTE: The larger the date proxy, the more recently the event occurred** | Num |
| Employ\_EndYear\_DMH | Year employment ended | YYYY  Blanks=Missing | Num |
| Employ\_EndMonth\_DMH | Month employment ended | Months (1-12)  Blanks=Missing | Num |
| Employment\_Status\_DMH | Employment Status. This was only collected for Clubhouse from 2011-2020. This is now collected for all from 2021 to 2022.  Note: DMH stopped collecting employment statuses for Club House from 6/30/2022 | 1=Competitively Employed (Self-Sufficient) 2=Competitively Employed - Eligible for Cash Benefits 3 =Transitional Employment  4 =Agency Sponsored Employment 5 =Unemployed, but in the Labor Force (includes those that are unemployed now but history of emp) 6 =Not in Labor Force, but Engaged in Work-Related Activity 7 =Not in Labor Force and not Engaged in any Work-Related Activity 8 =Chooses Not to Disclose  9=Unknown  10=Supported Employment  11= Volunteer Only  12= Self-Employed  13= Retired  14= Not in Labor Force | Num |
| Employ\_Start\_DMH | Date employment started | Date Proxy – Count of days between employment start date and a random date in the past **NOTE: The larger the date proxy, the more recently the event occurred** | Num |
| Employ\_StartYear\_DMH | Year employment ended | YYYY  Blanks=Missing | Num |
| Employ\_StartMonth\_DMH | Month employment ended | Months (1-12)  Blanks=Missing | Num |
| Enrolled\_Date\_DMH | Date Client was enrolled | Date Proxy – Count of days between enrollment date and a random date in the past **NOTE: The larger the date proxy, the more recently the event occurred** | Num |
| Enrollment\_Year\_DMH | Year client was enrolled | YYYY  Blanks=Missing | Num |
| Enrollment\_Month\_DMH | Month client was enrolled | Months (1-12)  Blanks=Missing | Num |
| ETHNICITY\_DMH | Ethnicity | 1=ALBANIAN  2=AMERICAN  3=ARMENIAN  4=BHUTANESE  5=BOSNIAN  6=BRAZILIAN  7=BURMESE  8=CAMBODIAN  9=CANADIAN  10=CAPE VERDEAN  11=CHINESE  12=COLOMBIAN  13=CONGOLESE  14=COSTA RICAN  15=DOMINICAN  16=ECUADORIAN  17=EGYPTIAN  18=ENGLISH  19=ERITREAN  20=ETHIOPIAN  21=FILIPINO  22=FINNISH  23=FRENCH  24=GERMAN  25=GREEK  26=GUATEMALAN  27=HAITIAN  28=HISPANIC, OTHER  29=HMONG  30=HONDURAN  31=INDIAN  32=IRANIAN  33=IRAQI  34=IRISH  35=ISRAELI  36=ITALIAN  37=JAPANESE  38=KOREAN  39=LAOTIAN  40=LEBANESE  41=MEXICAN  42=MOROCCAN  43=NICARAGUAN  44=NIGERIAN  45=PAKISTANI  46=PANAMANIAN  47=PERUVIAN  48=POLISH  49=PORTUGUESE  50=PUERTO RICAN  51=RUSSIAN  52=SALVADORAN  53=SOMALI  54=THAI  55=TIBETAN  56=UKRAINIAN  57=VENEZUELAN  58=VIETNAMESE  59=WEST INDIAN/CARIBBEAN  60= BELGIUM  61=BRITISH  62=BULGARIAN  63=CUBAN  64=DUTCH  65=JEWISH  66=LITHUANIAN  67=ROMANIAN  68=SCOTTISH  69=SWEDISH  70=OTHER  71=TWO OR MORE  72=CHOOSES NOT TO SELF-IDENTIFY  73=REFUSED  99=UNKNOWN | Num |
| FACILITY\_DMH | DMH facility that a client is enrolled to for inpatient or outpatient services. | 1= Acute Inpatient  2 = Inpatient  3 = Continuing Care Inpatient  4 = CYF Residential  5 = Outpatient  6 = Other  9 = Unknown | Num |
| HOMELESS\_DMH | Flag indicating homeless | 0=No indication of homeless  1=Homeless based on:  - Living Arrangement is: Homeless Shelter, Homeless, Lives in Street.  - City/Town of residence contains the word Homeless | Num |
| IN\_SCHOOL\_DMH | Flag indicating clients’ educational status | 0=No 1=Yes  Blanks=Missing/Unknown | Num |
| INTERPRETER\_DMH | Flag indicating whether a client requires a language interpreter | 0=No 1=Yes  Blanks=Missing/Unknown | Num |
| HOURS\_DMH | Number of hours client works per week |  | Num |
| INTERIM\_LEGAL\_DMH |  | 1= Forensic Eval,  2= Forensic Treatment,  3= Civil  Blanks=Missing/Unknown | Num |
| LANGUAGE\_DMH | Client preferred language | 1=Albanian  2=American Sign Language  3=Amharic  4=Arabic  5=Armenian  6=Bengali  7=Bosnian  8=Bulgarian  9=Cambodian  10=Cantonese  11=Cape Verdean  12=Chinese  13=Creole  14=Croatian  15=Czech  16=Danish  17=Dutch  18=English  19=Estonian  20=Farsi/Iranian/Persian  21=Finnish  22=French  23=Fulani Fula  24=Gaelic  25=German  26=Greek  27=Gujarati  28=Haitian Creole  29=Hawaiian  30=Hebrew  31=Hindi  32=Hmong  33=Hungarian  34=Icelandic  35=Igbo  36=Indonesian  37=Italian  38=Japanese  39=Khmer/Cambodian  40=Korean  41=Lao  42=Latvian  43=Malaysian  44=Mandarin  45=Mandingo\Mandinka  46=Marathi  47=Nepali  48=Norwegian  49=Other  50=Philippine  51=Polish  52=Portuguese  53=Punjabi\Panjabi  54=Romanian  55=Russian  56=Serbian-Croatian  57=Slovak  58=Slovenian  59=Somali  60=Spanish  61=Swahili  62=Swedish  63=Tagalog  64=Tagalog/Filipino  65=Taiwanese  66=Thai  67=Tibetan  68=Tigrigna  69=Toisanese  70=Turkish  71=Twi  72=Ukrainian  73=Urdish  74=Vietnamese  75=Wolof  76=Wu  77=Yiddish  78=Yoruba  99=Unknown | Num |
| LIVING\_ARRANGEMENT\_CLIENT\_DMH | Living Arrangement for client | 1= Lives Alone, No minor dependents  2= Assisted Living  3= C/A Community Based Residential Treatment  4= C/A Residential School  5= C/A Residential Treatment Facility  6= Foster Home  7= Group Living Environment Adults  8= Inpatient Facility  9= Jail/Correctional Facility  10= Lives with Minor Dependent(s)  11= Lives with Non-Relatives  12= Skilled Nursing Facility/Nurse Home (Non-Rehab)  13= Lives with Adult Relatives  14= Rest Home  15= Homeless Shelter  16= Lives on the Street  17= Temporary Living  18= Home  19= Hospice  20= Other Group Home  21= Other Shelter  99= Unknown | Num |
| LOS\_DMH | Length of stay to date or as of dis-enrollment |  | Num |
| MARITAL\_DMH | Marital Status of Client | 1 = Unmarried  2 = Married  3 = Domestic Partner/Significant Partnership  4 = Legally separated  9 = Missing/Unknown | Num |
| PrimaryDiagnosis\_DMH | Primary Diagnosis. Could be admit, interim or discharge diagnosis. | ICD-9 and ICD-10 codes | Char |
| RACE\_DMH | Combined race/ethnicity | 1 = White non-Hispanic 2 = Black non-Hispanic 3 = Asian/PI non-Hispanic 4 = Hispanic 5 = American Indian or Other  9 = unknown | Num |
| Rate\_DMH | Hourly Rate clubhouse member receives | Integer  99=Missing | Num |
| RES\_CODE\_DMH | City client resides in | 1-351 999= missing/unknown/invalid | Num |
| RES\_ZIP\_DMH | Zip code of the address of client | 5 digit zip 99999=Unknown | Char |
| SERVICE\_DMH | Type of DMH Service a Client is Receiving | 1= Adult Community Clinical Services (ACCS)  2= Acute Clinical Inpatient Services (Also for Adults) (ACIS)  3= Adult Case Management (ACM)  4=CYF Case Management  5=CYF Community  6=CYF Day Service  7=CYF Flex  8=CYF Residential  9=CYF Residential School  10=CYF Respite  11=CYF Service  12=Clubhouse  13=Emergency Service  14=Family Support  15=First Episode Psychosis  16=Group Living  17=Homeless Housing  18=Homeless Residential with Addiction Treatment  19=Homeless Service  20=Homeless Support with Addiction Treatment  21=MassHealth Case Management  22=Outpatient  23=PACT  24=PACT Forensic  25=Peer Service  26=Rental Assistance  27=Residential  28=Residential Supported  29=Respite  30=Transportation  31=Other  99=Unknown | Num |
| Service\_type\_DMH | Type of service | 1= Case Management Services  2= Community  3= Emergency  4= Inpatient  5= Outpatient  6= Residential  9= Unknown  Blanks =Not available | Num |
| SEX\_DMH | Gender of Client | 1 = male 2 = female 9 = unknown | Num |
| SITE\_DMH | DMH Site client was assigned to for services | 1=METRO BOSTON AREA SHARED  2=BAY COVE (historical)  3=METRO BOSTON CYF SITE  4=CAMBRIDGE/SOMERVILLE  5=FULLER  6=LINDEMANN,CAMBRIDGE,SOMERVILLE  7=MASS MENTAL  8=CENTRAL MASS AREA SHARED  9=CANTON  10=NORTH COUNTY  11=SOUTH COUNTY  12=WESTBOROUGH  13=WORCESTER  14=EAST SUBURBAN  15=SOUTH SUBURBAN  16=SOUTHWEST SUBURBAN  17=WEST SUBURBAN  18=ACTON  19=NORTHEAST AREA SHARED  20=NORTH SHORE  21=ESSEX NORTH  22=HAVERHILL/NEWBURYPORT  23=LOWELL  24=LYNN  25=METRO NORTH  26=NON-RESIDENT  27=SOUTHEASTERN MASS AREA SHARED  28=BROCKTON  29=FALL RIVER  30=CAPE COD & ISLANDS  31=NEW BEDFORD  32=PLYMOUTH  33= SNF WESTERN MASS  34=QUINCY  35=TAUNTON/ATTLEBORO  36=WESTERN MASS AREA SHARED  37=BERKSHIRE  38=FRANKLIN/NORTH QUABBIN  39=HAMPSHIRE  40=HOLYOKE/CHICOPEE  41=SPRINGFIELD  42=WESTFIELD  43= SNF CENTRAL MASS  44= SNF METRO BOSTON  45= SNF NORTHEAST  46= SNF SOUTHEASTERN  99=Unknown | Num |
| VISIT\_TYPE\_DMH | Community, Inpatient, Outpatient | 1=Community  2=Inpatient  3=Outpatient  Blanks=Missing/Unknown | Num |
| VETERAN\_DMH | Veteran Status of Client | 0=No 1=Yes  9=Unknown | Num |
| VISIT\_STATUS\_DMH | Status of enrollment | 1= Inpatient Admission  2= ER Outpatient Reg Cancelled  3= Ref Outpatient Reg Cancelled  4= ER Outpatient Departure  5= Ref Outpatient Departure  6= Inpatient Discharge  7= Recurring Outpatient Reg Discharge  8= ER Outpatient Pre Reg  9= ER Outpatient Reg  10= Recurring Outpatient Reg  11= Referred Outpatient Reg  12= Recurring Outpatient Schedule  13= Referred Outpatient Schedule  Blanks=Missing/Unknown | Num |

|  | Admit\_Source\_DMH |
| --- | --- |
| 1 | A NEW BEGINNING |
| 2 | ACUTE MEDICAL FACILITY |
| 3 | ACUTE PSYCHIATRIC FACILITY |
| 4 | ADMIN D/C RETURN - SNF |
| 5 | ADMIN D/C RETURN-MED FACILITY |
| 6 | ADULT RESPITE |
| 7 | Against Medical Advice |
| 8 | AMESBURY |
| 9 | ANCHORAGE HOUSE/RIVERSIDE SC |
| 10 | ANGEL HOUSE FAMILY RESI SVCS |
| 11 | ANNA JACQUES |
| 12 | ARBOUR |
| 13 | ARBOUR - FULLER |
| 14 | ARBOUR - HRI |
| 15 | ARBOUR HOSPITAL |
| 16 | ASSISTED LIVING |
| 17 | ATLANTICARE MEDICAL CENTER |
| 18 | ATTELBORO CENTER |
| 19 | Attleboro District Court |
| 20 | AWA |
| 21 | Ayer District Court |
| 22 | BALDPATE |
| 23 | BARBARA MCINNIS HOUSE |
| 24 | Barnstable District Court |
| 25 | BAY COVE MHC |
| 26 | BAY RIDGE |
| 27 | BAYSTATE MED CTR |
| 28 | BEACON HOUSE FOR WOMEN |
| 29 | BERKSHIRE MEDICAL CENTER |
| 30 | BERYL'S HOUSE |
| 31 | BEVERLY - BAY RIDGE |
| 32 | BEVERLY HOSPITAL |
| 33 | BIDMC - DEACONESS |
| 34 | BIDMC NORTH |
| 35 | BOSTON EMERGENCY SERVICE |
| 36 | BOSTON MEDICAL CTR INTAKE |
| 37 | Boston Municipal Court |
| 38 | Boston Municipal Ct-Dorchester |
| 39 | BOSTON REGIONAL MEDICAL CTR |
| 40 | BOURNEWOOD |
| 41 | BRANDON |
| 42 | BRIDGEWATER STATE HOSPITAL |
| 43 | Brockton District Court |
| 44 | BROCKTON HOSPITAL |
| 45 | BROCKTON MULTI SERVICE |
| 46 | Brookline District Court |
| 47 | CAMBR HLTH ALL @ MALDEN HOSP |
| 48 | Cambridge District Court |
| 49 | CAMBRIDGE HOSPITAL |
| 50 | CAPE COD HOSPITAL |
| 51 | CARITAS NORWOOD HOSPITAL |
| 52 | CARNEY HOSPITAL |
| 53 | CASE MANAGEMENT |
| 54 | CASPER HOUSE CAMBRIDGE |
| 55 | CATHOLIC CHARITIES DETOX |
| 60 | Chelsea District Court |
| 61 | Chicopee District Court |
| 62 | CHILD/ADOL COMM/SCHL SUPPORT |
| 63 | CHILD/ADOL INTENSIVE RESI TX |
| 64 | CHILD/ADOL RESPITE SERVICES |
| 65 | CHILDREN'S HOSPITAL |
| 66 | CLEAN SLATE INC |
| 67 | CLINIC REFERRED |
| 68 | CLINTON |
| 69 | Clinton District Court |
| 70 | CLTS GOING HOME W OUTPATIENTTX |
| 71 | COMM BASED ACUTE TX-ADOL |
| 72 | COMMUNITY HEALTH INITIATIVES |
| 73 | COMMUNITY RES/GROUP HOME |
| 74 | CONCORD ASSABET |
| 75 | Concord District Court |
| 76 | COOLEY DICKINSON |
| 77 | CORRECTIONAL FACILITY |
| 78 | CORRIGAN CRISIS UNIT |
| 79 | CORRIGAN MENTAL HEALTH CRISIS |
| 80 | CORRIGAN MHC |
| 81 | COURT/LAW |
| 82 | CRISIS STABILIZATION UNIT |
| 83 | DEACONESS WALTHAM |
| 84 | Dedham District Court |
| 85 | DEPARTMENT OF YOUTH SERVICES |
| 86 | DEPT OF CHILDREN & FAMILIES |
| 87 | DEPT OF SOCIAL SERVICES |
| 88 | DESIGNATED EMERGENCY PROGRAM |
| 89 | DISCHARGE/RETAIN CUSTODY |
| 90 | DMH FACILITY |
| 91 | DOMESTIC VIOL SAFE HOM W/ SA |
| 92 | Dorchester District Court |
| 93 | DRUNK DRIVING PROGRAM |
| 94 | Dudley District Court |
| 95 | East Brookfield District Court |
| 96 | Eastern Hampshire District Court |
| 97 | Edgartown District Court |
| 98 | EDWINA MARTIN HOUSE |
| 99 | ELLIOT HOUSE |
| 100 | EMERGENCY ROOM |
| 101 | EMERSON HOSPITAL |
| 102 | EMERSON HOUSE FALMOUTH |
| 103 | ENTRE FAMILIA PROGRAM- FAMILY |
| 104 | F.I.R.S.T. RECOVERY HOME |
| 105 | FAITH HOUSE |
| 106 | Fall River District Court |
| 107 | Falmouth District Court |
| 108 | FALMOUTH HOSPITAL |
| 109 | FALMOUTH HOSPITAL |
| 110 | FAMILY INTERVENTION PROGRAM |
| 111 | FAMILY RESIDENTIAL SERVICES |
| 112 | FAULKNER HOSPITAL |
| 113 | Fitchburg District Court |
| 114 | Framingham District Court |
| 115 | FRANCISCAN |
| 116 | FRANKLIN MEDICAL CENTER |
| 117 | GANDARA RESI SVCS FOR WOMEN |
| 118 | Gardner District Court |
| 119 | GENESIS II FAMILY CTR |
| 120 | GERMAINE LAWRENCE |
| 121 | GIANNA'S HOUSE |
| 122 | Gloucester District Court |
| 123 | GOOD SAMARITAN MEDICAL CTR |
| 124 | GRACE HOUSE FAMILY RESI SVCS |
| 125 | GRANADA HOUSE |
| 126 | Greenfield District Court |
| 127 | GROUP HOME |
| 128 | GROW PROGRAM |
| 129 | HABIT MANAGEMENT |
| 130 | HARBINGER HOUSE/HALE HOUSE |
| 131 | HARRINGTON MEMORIAL |
| 132 | HART HOUSE FAMILY RESI SVCS |
| 133 | HARWOOD SOBER HOUSE |
| 134 | HATHORNE UNIT/TEWKSBURY |
| 135 | Haverhill District Court |
| 136 | HEALING HILLS VILLAGE |
| 137 | HEALTH ALLIANCE |
| 138 | HELLO HOUSE-DORCHESTER |
| 139 | HENRY HEYWOOD |
| 140 | HIGH PONT TREATMENT CTR TSS |
| 141 | HIGHPOINT TSS |
| 142 | Hingham District Court |
| 143 | HIV/AIDS PROGRAM |
| 144 | HMO REFERRAL |
| 145 | HOLY FAMILY |
| 146 | Holyoke District Court |
| 147 | HOLYOKE HOSPITAL |
| 148 | HOME |
| 149 | HOMELESS OUTREACH/HOMELESS SHELTER |
| 150 | HRI |
| 151 | IHR CENTRAL INTAKE |
| 152 | Ipswich District Court |
| 153 | ITALIAN HOME FOR CHILDREN |
| 154 | JOURNEY HOUSE |
| 155 | KATHERINE HOUSE |
| 156 | KEENAN RECOVERY HOUSE |
| 157 | LARK HALFWAY HOUSE |
| 158 | LATINAS Y NINOS CTR |
| 159 | Lawrence District Court |
| 160 | LAWRENCE MEMORIAL |
| 161 | LEMUEL SHATTUCK-DMH UNIT |
| 162 | Leominster District Court |
| 163 | LEROY'S LODGE |
| 164 | LINDA FAY GRIFIN HOUSE |
| 165 | LINDEMANN MHC |
| 166 | LOWELL COMMUNITY HEALTH CTR |
| 167 | Lowell District Court |
| 168 | LOWELL GENERAL |
| 169 | LOWELL RECOVERY HOUSE |
| 170 | LOWELL YOUTH COUNSELING CTR |
| 171 | LOWELL YOUTH TREATMENT CTR |
| 172 | Lynn District Court |
| 173 | LYNN TRANSITIONAL SUPPORT SVCS |
| 174 | Malden District Court |
| 175 | MARLBORO HOSPITAL |
| 176 | Marlborough District Court |
| 177 | MARTHA'S VINYARD HOSPITAL |
| 178 | MASS GENERAL HOSPITAL |
| 179 | MASS MENTAL HEALTH CENTER |
| 180 | MCI FRAMINGHAM |
| 181 | MCLEAN AT NAUKEAG RESI |
| 182 | MCLEAN CTR AT FERNSIDE RECVY |
| 183 | MCLEAN HOSPITAL |
| 184 | MEDFIELD STATE HOSPITAL |
| 185 | MELROSE - WAKEFIELD |
| 186 | MERIDIAN HOUSE THERAPEUTIC COM |
| 187 | METRO WEST MEDICAL CENTER |
| 188 | METROPOLITAN STATE HOSPITAL |
| 189 | Milford District Court |
| 190 | MONARCH HOUSE |
| 191 | MORTON HOSPITAL |
| 192 | MT AUBURN |
| 193 | MY SISTER'S HOUSE |
| 194 | Nantucket District Court |
| 195 | Natick District Court |
| 196 | New Bedford District Court |
| 197 | NEW BEDFORD EMERGENCY SERVICES |
| 198 | NEW ENGLAND MEDICAL CENTER |
| 199 | NEW HOPE TRANSITIONAL SUPPORT |
| 200 | NEW HORIZONS |
| 201 | Newbury District Court |
| 202 | NEWTON WELLESLEY |
| 203 | Newton District Court |
| 204 | NICKI HOUSE |
| 205 | NOBLE |
| 206 | NON-DMH PSYCHIATRIC FACILITY |
| 207 | NORTH ADAMS |
| 208 | Northampton District Court |
| 209 | Northern Berkshire District Ct |
| 210 | NORTON CRISIS |
| 211 | NURSING HOME |
| 212 | OLYMPUS SPEC & REHAB HOSP |
| 213 | OLYMPUS SPECIALTY UNIT |
| 214 | Orange District Court |
| 215 | ORCHARD ST FAMILY RESI SVCS |
| 216 | Orleans District Court |
| 217 | OTHER |
| 218 | OUTPATIENT PROVIDER |
| 219 | OUTPATIENT SA COUNSELING |
| 220 | Palmer District Court |
| 221 | PARKVIEW SPECIALTY HOSP-DMH |
| 222 | PARTIAL HOSPITAL |
| 223 | Peabody District Court |
| 224 | PEGASUS HOUSE |
| 225 | PEMBROKE HOSPITAL |
| 226 | PHOENIX HOUSE |
| 227 | PHYSICIAN REFERRED |
| 228 | Pittsfield District Court |
| 229 | Plymouth District Court |
| 230 | POCASSET MHC |
| 231 | PRISON |
| 232 | PRIVATE INPT PSYCH FACILITY |
| 233 | PRIVATE PARTIAL HOSPITAL |
| 234 | PROJECT COPE WOMEN'S RESI |
| 235 | PROVIDENCE HOSPITAL |
| 236 | PSYCH EMERGENCY SERVICES |
| 237 | Quincy District Court |
| 238 | QUINCY HOSPITAL |
| 239 | QUINCY MEDICAL CENTER |
| 240 | QUINCY MHC |
| 241 | REFLECTIONS COURT ALTERNATIVE |
| 242 | REHAB FACILITY |
| 243 | RESIDENTIAL |
| 244 | RHODES STREET HOUSE |
| 245 | RIVERSIDE |
| 246 | ROAD BLOCK |
| 247 | RYAN HOUSE |
| 248 | SAGE HOUSE FAMILY RESI SVCS |
| 249 | SAINT ANNE'S HOSPITAL |
| 250 | SAINTS MEMORIAL HOSPITAL |
| 251 | SALEM |
| 252 | Salem District Court |
| 253 | SALVATION ARMY |
| 254 | SCHOOL |
| 255 | SECOND OFFENDER AFTERCARE |
| 256 | SELF/FAMILY/FRIEND |
| 257 | SERENITY HOUSE |
| 258 | SERVICES PROVIDED FOR WOMEN |
| 259 | SHAHEEN WOMEN'S PROGRAM |
| 260 | SHEPHERD HOUSE |
| 261 | SHILO HOUSE- BOSTON |
| 262 | SIMPLE LIVING INC |
| 263 | SKILLED NURSING FACILITY |
| 264 | SOLOMON CARTER FULLER MHC |
| 265 | SOLOMON MHC |
| 266 | SOMERVILLE |
| 267 | 267=Somerville District Court |
| 268 | 268=SOMERVILLE HOSPITAL |
| 269 | 269=SOUTH SHORE HOSPITAL |
| 270 | 270=SOUTH SHORE MENTAL HEALTH |
| 271 | 271=SOUTHCOAST HOSP GROUP INC |
| 272 | 272=Southern Berkshire District Ct |
| 273 | 273=Springfield District Court |
| 274 | ST ANN'S |
| 275 | ST ELIZABETH'S |
| 276 | ST VINCENT |
| 277 | ST VINCENT'S CHILD TREATMENT |
| 278 | STATE INPT PSYCH FACILITY |
| 279 | STATE OP OUTPATIENT |
| 280 | STATE OP PARTIAL HOSP |
| 281 | STATE OP RESIDENTIAL |
| 282 | STEPPINGSTONE WOMEN'S PROGRAM |
| 283 | STEPS SOLUTIONS INC # |
| 284 | Stoughton District Court |
| 285 | STURDY MEMORIAL HOSPITAL |
| 286 | Taunton District Court |
| 287 | TAUNTON STATE HOSPITAL |
| 288 | THAYER TRANSITIONAL SUP SVCS |
| 289 | THE LIGHTHOUSE |
| 290 | THE VINEYARD HOUSE |
| 291 | TRANSFER - ANOTHER HC FAC |
| 292 | TRANSFER FR/TO OTH MA FACIL |
| 293 | TRANSFER FROM/TO OOS FACIL |
| 294 | TRANSFER FROM/TO SNF |
| 295 | TRANSFR ACUTE CARE HOSPITAL |
| 296 | TRANSITIONAL SUPPORT SERVICES |
| 297 | TRANSITIONS TSS |
| 298 | TRIANGLE HOUSE |
| 299 | TRNS ANOTHER HLTH CARE FAC |
| 300 | TRNS OTHER ACUTE CARE HOSP |
| 301 | UMASS MEDICAL CENTER |
| 302 | UNKNOWN ADMISSION SOURCE |
| 303 | Uxbridge District Court |
| 304 | VERSACARE |
| 305 | VICTORY PROGRAM |
| 306 | WALKER HOME |
| 307 | Waltham District Court |
| 308 | Wareham District Court |
| 309 | West Roxbury Court |
| 310 | WESTBORO STATE HOSPITAL |
| 311 | Westborough District Court |
| 312 | Westfield District Court |
| 313 | WESTWOOD LODGE |
| 314 | WESTWOOD PEMBROKE |
| 315 | WHIDDEN HOSPITAL |
| 316 | Winchendon District Court |
| 317 | WING MEMORIAL HOSPITAL |
| 318 | WISE ST TRANSITIONAL |
| 319 | Woburn District Court |
| 320 | WOMENPLACE -RECOVERY HOME |
| 321 | WOMEN'S HELLO HOUSE-BOSTON |
| 322 | WOMEN'S HOPE |
| 323 | WOMEN'S HOPE TSS |
| 324 | WOMEN'S VIEW |
| 325 | Worcester District Court |
| 326 | WORCESTER STATE HOSPITAL |
| 327 | Wrentham District Court |
| 328 | YETMAN HOUSE |
| 329 | YOU, INC VILLAGE/MANOR |
| 330 | YOU, INC WETZEL CENTER |
| 331 | ZERO TOLERANCE |

| **Discharge\_Disp\_DMH** | DispositionName |
| --- | --- |
| 1 | ACCS |
| 2 | ACCS SERVICE TYPE TRANSITION |
| 3 | ACUTE MEDICAL FACILITY |
| 4 | ACUTE RESI TX ADULT DUAL DX |
| 5 | ACUTE RESIDENTIAL TX CHILD |
| 6 | AGAINST MEDICAL ADVICE |
| 7 | ASSISTED LIVING FACILITY |
| 8 | BRIDGEWATER TREATMENT CTR |
| 9 | Brief Intervention Referral to Treatment |
| 10 | CLINICAL STABILIZATION SVCS |
| 11 | Closed State Mental Hospital |
| 12 | COMM BASED ACUTE TX-CHILD |
| 13 | Community Mental Health Clinic |
| 14 | CORRECTIONAL CT |
| 15 | COURT/LAW |
| 16 | CRISIS STABILIZATION SERVICE |
| 17 | DETOXIFICATION FACILITY |
| 18 | DMH COMMUNITY RESIDENCE C/A |
| 19 | DMH GROUP/CONG LIVING-ADULT |
| 20 | DMH RESPITE SERVICE |
| 21 | DMH Unit DPH Hospital |
| 22 | DSS RESIDENTIAL |
| 23 | DYS RESIDENTIAL |
| 24 | EXPIRED |
| 25 | GAMBLING PROGRAM |
| 26 | HALFWAY HOUSE |
| 27 | HOME ALONE |
| 28 | HOME WITH FAMILY |
| 29 | HOME WITH NON-FAMILY |
| 30 | HOME with SERVICE |
| 31 | HOSPICE |
| 32 | INCARCERATED OVER 18 MONTHS |
| 33 | INCARCERATED UNDER 18 MONTHS |
| 34 | Inpatient Facility Adult |
| 35 | Inpatient Facility Child/Adolescent |
| 36 | INTERMEDIATE CARE FACILITY |
| 37 | LONG TERM CARE FACILITY |
| 38 | MEDICAL HOSPITALIZATION |
| 39 | MEDICAL UNIT/DPH Hospital |
| 40 | Mental Health Clinic |
| 41 | Mental Health Residential Clinic |
| 42 | MOVED OUT OF AREA |
| 43 | NON-DMH COMMUNITY RES. |
| 44 | NURS HOME / SNF (NON-REHAB) |
| 45 | O4 OUTPATIENT PROVIDER |
| 46 | OOS PSYCHIATRIC FACILITY |
| 47 | OOS RESIDENTIAL PROGRAM |
| 48 | OPIOID TREATMENT (Any, including residential. The field does not indicate setting) |
| 49 | OTHER FACILITY |
| 50 | OTHER INPATIENT FACILITY |
| 51 | OTHER OUTPATIENT CLINIC |
| 52 | PRIV. PSYCHIATRIC FAC-INPAT |
| 53 | PROG FOR ASSERT COMM TREATM |
| 54 | PSYCHIATRIC HOSPITIALIZATION |
| 55 | REHAB FACILITY |
| 56 | RESIDENTAIL TREATMENT |
| 57 | RESIDENTIAL SCHOOL |
| 58 | REST HOME |
| 59 | SHELTER |
| 60 | SHORT TERM HOSP |
| 61 | Short Term Transfer |
| 62 | SKILL NURS FAC/NURS HOME |
| 63 | SOBER HOUSE |
| 64 | State Contracted Mental Health Hospital |
| 65 | State Operated Mental Health Clinic |
| 66 | State Operated Mental Health Hospital |
| 67 | State Operated MH Service |
| 68 | SUB. ABUSE TX (NOT DETOX) |
| 69 | SUBSTANCE ABUSE FACILITY/HOSP |
| 70 | TERMINATED BY PROGRAM |
| 71 | TRANSFER TO ANOTHER PGM/SERV |
| 72 | TRANSITIONAL SUPPORT SVCS |
| 73 | VETERANS ADMIN. HOSPITAL |
| 74 | WRAP |
| 99 | Unknown/NO CONTACT/WHEREABOUTS UNK/status not a disposition |

# Department of Mental Health- RAP (PHDDMH.RAP)

| **Variable Name** | **Variable Description** | **Meta Data** | **Format** |
| --- | --- | --- | --- |
| ID | PHD ID | 9 character alphanumeric ID | Char |
| Match\_level\_DTA | CHIA Match level | 1= These are CHIA members that received a high score against the DPH input record. This group includes those that matched all elements of the DPH input record and those that had only one element mismatch. The group 1 individual match determination has been optimized based upon the input elements and their overall weight.  2= This group contains members within the APCD that received a lower score against the DPH input record yet are considered *possible* matches. Candidates in this group could match on as little as little as SSN or date of birth and first and last name. These candidates are included for completeness | Num |
| Age\_RAP\_DMH | Age at enrollment | Age in years  999= Missing | Num |
| Citizen\_RAP\_DMH | Flag indicating clients US Citizenship | 0=No  1=Yes  9=Unknown/Missing | Num |
| Disenrolled\_Date\_RAP\_DMH | Date Client was disenrolled | **Date Proxy** – Count of days between disenrollment date and a random date in the past   NOTE: The larger the date proxy, the later in time the event occurred | Num |
| Disenrolled\_Month\_RAP\_DMH | Month of disenrollment | Months, 1-12 | Num |
| Disenrolled\_Year\_RAP\_DMH | Year of disenrollment | Years, YYYY format | Num |
| Education\_RAP\_DMH | Reported Level of Education | 1 = Not of School Age   2 = No Formal Education   3 = Less than High School   4 = High School Diploma / GED   5 = Some College/Post-Secondary   6 = Associate/Certificate   7 = College Degree or Higher   8 = Other Credentials   95 = Unknown   99 = Missing | Num |
| Employment\_Status\_RAP\_DMH | Employment Status. This was only collected for Clubhouse from 2011-2020. This is now collected for all from 2021 to 2022.    Note: DMH stopped collecting employment statuses for Club House from 6/30/2022 | 1=Competitively Employed (Self-Sufficient)  2=Competitively Employed - Eligible for Cash Benefits  3 =Transitional Employment   4 =Agency Sponsored Employment  5 =Unemployed, but in the Labor Force (includes those that are unemployed now but history of emp)  6 =Not in Labor Force, but Engaged in Work-Related Activity  7 =Not in Labor Force and not Engaged in any Work-Related Activity  8 =Chooses Not to Disclose  9=Unknown  10=Supported Employment  11= Volunteer Only  12= Self-Employed  13= Retired  14= Not in Labor Force  Blanks=Missing/Unknown | Num |
| Enrollment\_Date\_RAP\_DMH | Date Client was enrolled | **Date Proxy** – Count of days between enrollment date and a random date in the past   NOTE: The larger the date proxy, the later in time the event occurred | Num |
| Enrollment\_Month\_RAP\_DMH | Month client was enrolled | Months, 1-12 | Num |
| Enrollment\_Year\_RAP\_DMH | Year client was enrolled | Years, YYYY format | Num |
| Ethnicity\_RAP\_DMH | Ethnicity | 1=ALBANIAN  2=AMERICAN  3=ARMENIAN  4=BHUTANESE  5=BOSNIAN  6=BRAZILIAN  7=BURMESE  8=CAMBODIAN  9=CANADIAN  10=CAPE VERDEAN  11=CHINESE  12=COLOMBIAN  13=CONGOLESE  14=COSTA RICAN  15=DOMINICAN  16=ECUADORIAN  17=EGYPTIAN  18=ENGLISH  19=ERITREAN  20=ETHIOPIAN  21=FILIPINO  22=FINNISH  23=FRENCH  24=GERMAN  25=GREEK  26=GUATEMALAN  27=HAITIAN  28=HISPANIC, OTHER  29=HMONG  30=HONDURAN  31=INDIAN  32=IRANIAN  33=IRAQI  34=IRISH  35=ISRAELI  36=ITALIAN  37=JAPANESE  38=KOREAN  39=LAOTIAN  40=LEBANESE  41=MEXICAN  42=MOROCCAN  43=NICARAGUAN  44=NIGERIAN  45=PAKISTANI  46=PANAMANIAN  47=PERUVIAN  48=POLISH  49=PORTUGUESE  50=PUERTO RICAN  51=RUSSIAN  52=SALVADORAN  53=SOMALI  54=THAI  55=TIBETAN  56=UKRAINIAN  57=VENEZUELAN  58=VIETNAMESE  59=WEST INDIAN/CARIBBEAN  60= BELGIUM  61=BRITISH  62=BULGARIAN  63=CUBAN  64=DUTCH  65=JEWISH  66=LITHUANIAN  67=ROMANIAN  68=SCOTTISH  69=SWEDISH  70=OTHER  71=TWO OR MORE  72=CHOOSES NOT TO SELF-IDENTIFY  73=REFUSED  99=UNKNOWN | Num |
| Homeless\_RAP\_DMH | Homeless flag based on City/town of residence. Search for the term “HOMELESS” | 0=No   1=Yes  9=Unknown/Missing | Num |
| In\_School\_RAP\_DMH | Flag indicating clients’ educational status | 0=No   1=Yes  9=Unknown/Missing | Num |
| Interpreter\_RAP\_DMH | Flag indicating whether a client requires a language interpreter | 0=No   1=Yes  Blanks=Missing/Unknown | Num |
| LANGUAGE\_RAP\_DMH | Client preferred language | 1=Albanian  2=American Sign Language  3=Amharic  4=Arabic  5=Armenian  6=Bengali  7=Bosnian  8=Bulgarian  9=Cambodian  10=Cantonese  11=Cape Verdean  12=Chinese  13=Creole  14=Croatian  15=Czech  16=Danish  17=Dutch  18=English  19=Estonian  20=Farsi/Iranian/Persian  21=Finnish  22=French  23=Fulani Fula  24=Gaelic  25=German  26=Greek  27=Gujarati  28=Haitian Creole  29=Hawaiian  30=Hebrew  31=Hindi  32=Hmong  33=Hungarian  34=Icelandic  35=Igbo  36=Indonesian  37=Italian  38=Japanese  39=Khmer/Cambodian  40=Korean  41=Lao  42=Latvian  43=Malaysian  44=Mandarin  45=Mandingo\Mandinka  46=Marathi  47=Nepali  48=Norwegian  49=Other  50=Philippine  51=Polish  52=Portuguese  53=Punjabi\Panjabi  54=Romanian  55=Russian  56=Serbian-Croatian  57=Slovak  58=Slovenian  59=Somali  60=Spanish  61=Swahili  62=Swedish  63=Tagalog  64=Tagalog/Filipino  65=Taiwanese  66=Thai  67=Tibetan  68=Tigrigna  69=Toisanese  70=Turkish  71=Twi  72=Ukrainian  73=Urdish  74=Vietnamese  75=Wolof  76=Wu  77=Yiddish  78=Yoruba  99=Unknown | Num |
| LOS\_RAP\_DMH | Length of stay to date or as of disenrollment | In days | Num |
| Marital\_RAP\_DMH | Marital Status of Client | 1 = Unmarried  2 = Married  3 = Domestic Partner/Significant Partnership  4 = Legally separated  9 = Missing/Unknown | Num |
| Race\_RAP\_DMH | Combined race/ethnicity | 1 = White non-Hispanic   2 = Black non-Hispanic   3 = Asian/PI non-Hispanic   4 = Hispanic   5 = American Indian or Other  9 = Unknown | Num |
| RES\_CODE\_RAP\_DMH | City client resides in  Note that res\_code\_DMH might be more accurate than res\_zip\_DMH | 1-351  999= missing/unknown/invalid | Num |
| RES\_ZIP\_RAP\_DMH | Zip code of the address of client | 5 digit zip  99999=Unknown | Char |
| Sex\_RAP\_DMH | Sex of Client | 1 = Male   2 = Female  9 = Unknown | Num |
| Veteran\_RAP\_DMH | Veteran Status of Client | 0=No   1=Yes  9=Unknown | Num |

# SNAP Benefit Program - Department of Transitional Assistance (PHDDTA.DTA)

| **Variable Name** | **Variable Description** | **Meta Data** | **Format** |
| --- | --- | --- | --- |
| ID | PHD ID | 9 character alphanumeric ID | Char |
| Match\_level\_DTA | CHIA Match level | 1= These are CHIA members that received a high score against the DPH input record. This group includes those that matched all elements of the DPH input record and those that had only one element mismatch. The group 1 individual match determination has been optimized based upon the input elements and their overall weight.  2= This group contains members within the APCD that received a lower score against the DPH input record yet are considered *possible* matches. Candidates in this group could match on as little as little as SSN or date of birth and first and last name. These candidates are included for completeness | Num |
| AGE\_DTA | Age | Age in years  Blank-missing/unknown | Num |
| BENEFIT\_AMOUNT\_DTA | Benefit Amount | Numeric full dollar amount  Blank=missing/unknown | Num |
| BENEFIT\_EFF\_DATE\_DTA | Effective date of Benefits (use with CASE\_STATUS\_DTA to determine what status this date represents) | Date Proxy – count of days between benefit effective date and randomly chosen date in the past  **NOTE: The larger the date proxy, the more recently the event occurred** | Num |
| BENEFIT\_EFF\_MONTH\_DTA | Effective Month of benefits | Months, 1-12  99 =missing/unknown | Num |
| BENEFIT\_EFF\_YEAR\_DTA | Effective Year of benefits | Year, YYYY  9999 = missing/unknown | Num |
| BIRTH\_MONTH\_DTA | Month recipient was born | 1-12  99 = missing/unknown | Num |
| BIRTH\_YEAR\_DTA | Year recipient was born | YYYY  9999=missing/unknown | Num |
| CASE\_ID\_DTA | Unique ID assigned by DTA to individual. Use FAMILY\_ID\_DTA, RELATIONSHIP\_DTA and HEAD\_OF\_CASE\_FLAG to understand family relationship | Proxy value  Blank=missing/unknown | Num |
| CASE\_STATUS\_DTA | Status of the case at the monthly snapshot | 1=Active 2=Closed 3=Denied 4=Pending  9=missing/unknown | Num |
| CLOSED\_IN\_MONTH | Flag to indicate whether case closed within the month | 0=No 1=Yes  9=missing/unknown | Num |
| CYCLE\_END\_DATE\_DTA | Last day of month of record, (DTA records are recorded monthly) | Date Proxy – count of days between Cycle record date and randomly chosen date in the past  **NOTE: The larger the date proxy, the more recent the event occurred** | Num |
| CYCLE\_END\_MONTH\_DTA | End month of record | 1-12  99=missing/unknown | Num |
| CYCLE\_END\_YEAR\_DTA | End year of record | YYYY  9999=missing/unknown | Num |
| CYCLE\_START\_DATE\_DTA | First day of month of record, (DTA records are recorded monthly) | Date Proxy – count of days between Cycle record date and randomly chosen date in the past  **NOTE: The larger the date proxy, the more recent the event occurred** | Num |
| CYCLE\_START\_MONTH\_DTA | First month of record | 1-12  99=missing/unknown | Num |
| CYCLE\_START\_YEAR\_DTA | First year of record | YYYY  9999=missing/unknown | Num |
| DISABILITY\_DTA | Indicate whether the client is disabled | 0=No 1-Yes  9=missing/unknown | Num |
| DIS\_SOURCE\_DTA | Indicates the type of disability coverage the client reports receiving | 1=SSA  2 = Veteran  3 = UMass disability evaluation services  4 = Client statement  5 = Competent medical authority  6 = Federal State Disability  7= Mass Health  8 = Mass Rehab Commission  9 = MCB (Mass Comm for the Blind)  99= missing/unknown | Num |
| EARNED\_INCOME | Total earned income for case | Numeric full dollar amount  Blank=missing/unknown | Num |
| EDU\_DTA | Highest level of education (these data are not verified and may be inaccurate) | 1= No School at all 2= 1-8 years 3= 9-11 (attended but not compl) 4= Completed 12(high school dip.) 5= GED 6= Some college 7= Completed 2-year college 8= Completed 4-year college  9= missing/unknown | Num |
| FAMILY\_ID\_DTA | Unique ID assigned by DTA to family. Use HEAD\_OF\_CASE\_FLAG and RELATIONSHIP\_DTA to understand family relationship | Proxy value  Blank=missing/unknown | Num |
| HEAD\_OF\_CASE\_FLAG | Member Role ('Grantee' if Head of Case, otherwise Null) | 0=No 1=Yes  9=missing/unknown | Num |
| HIP | Whether case participated in HIP within month | 0=No 1=Yes  9=missing/unknown | Num |
| HIP\_TRX | The number of HIP transactions | 0=0  1=1-20  2=21-40  3=41-60  4=61-80  9=missing/unknown | Num |
| HOMELESS\_DTA | Homeless | 0=No 1=Yes  9=missing/unknown | Num |
| HOUSEHOLD\_SIZE\_DTA | Number of people in household | Number,  blank=missing | Num |
| IN\_SCHOOL\_DTA | Currently in school? | 0=No 1=Yes  9=missing/unknown | Num |
| INELIGIBILITY\_REASON | Ineligibility Reason Code (i.e. Closing Reason) | [See code list](#_Ineligibility_Reason_1) | Num |
| LANGUAGE\_DTA | Spoken language | 1=Amharic 2=American Sign Language 3=Arabic 4=Armenian 5=Cambodian 6=Chinese (Cantonese) 7=Chinese (Mandarin) 8=Chinese 9=Croatian 10=English 11=French 12=Greek 13=Haitian Creole 14=Italian 15=Laotian 16=Polish 17=Portuguese 18=Russian 19=Serbian Cyrillic 20=Slovenian 21=Somali 22=Spanish 23=Tagalog 24=Vietnamese 88=Other  99=missing/unknown | Num |
| MARITAL\_DTA | Marital Status | 1=Married 2=Not Married 8=Not Applicable 9=missing/unknown | Num |
| MILITARY\_SVC\_FLG\_DTA | Flag to indicate person self-reports ever serving in the military | 1 = Served in the Military, Self-Reported (begun 2019)  0 = Not served in the military  9=Missing/unknown | Num |
| RACE\_DTA | Race/Hispanic Ethnicity | 1 = White non-Hispanic 2 = Black non-Hispanic 3 = Asian/PI non-Hispanic 4 = Hispanic 5 = American Indian or Other  9 = Missing/unknown | Num |
| RELATIONSHIP\_DTA | Client relationship to the Grantee | [See code list](#_RELATIONSHIP_DTA) | Num |
| RES\_CODE\_DTA | City Name | 1-351 for valid MA city/town 999=Unknown | Num |
| RES\_ZIP\_DTA | Postal Code | 5 digit zip  99999=Missing/unknown | Char |
| SEX\_DTA | AP Gender Indicator Should Gender CO - B2.0 - Eff Dated | 1=Male 2=Female  9=Missing/unknown | Num |
| SSN\_LAST\_DIGIT | Social Security Number (Last Digit Only) | 0-9  Blank=missing/unknown | Num |
| UNEARNED\_INCOME | Total unearned income for case | Numeric full dollar amount  Blank=missing/unknown | Num |

| Ineligibility Reason | |
| --- | --- |
| 165 | You are an Ineligible Grantee |
| 205 | Unearned Income in excess of grant amount |
| 206 | Assets in excess of asset limit |
| 210 | Failure to verify income and/or asset |
| 213 | Receipt Lump Sum payment in excess of grant amount |
| 214 | Failed to cooperate with bank match procedures. |
| 215 | Receiving assistance from another State or County |
| 220 | Countable earned income in excess of grant |
| 221 | Fail to correct an incomplete Monthly Report |
| 222 | Fail to return a complete Monthly Report |
| 227 | Fail to correct an inadequate Monthly Report |
| 601 | Not in Receipt of SSI |
| 602 | Invalid SDX Living Arrangement |
| 603 | Invalid Marital Status |
| 604 | Invalid Date of Birth |
| 605 | Ineligible Noncitizen |
| 606 | Existence of SDX Earnings |
| 607 | More than one member in SNAP AU |
| 608 | ACTIVE MEMBER OF ANOTHER SNAP AU |
| 609 | Requested end to CAP |
| 611 | GREATER BENEFIT FROM REGULAR SNAP |
| 612 | EXTEND RECERTIFICATION PERIOD FROM SDX |
| 613 | BENEFIT AMOUNT CHANGE - SDX SHELTER |
| 614 | BENEFIT AMOUNT CHANGE - SDX UNEARNED INCOME |
| 615 | CHANGE IN BEACON EXPENSES |
| 616 | BEACON RECERTIFICATION |
| 617 | SDX FLEEING FELON |
| 618 | EXTEND RECERTIFICATION PERIOD |
| 619 | Not in Receipt of Federal SSI |
| 1004 | Institutionalized including incarceration |
| 1005 | Required to be in another SNAP AU |
| 1007 | Currently in another SNAP AU |
| 1010 | No longer MA resident |
| 1011 | Death |
| 1012 | Whereabouts Unknown |
| 1018 | Boarder or resident in an unlicensed halfway house |
| 1019 | Did not cooperate with Quality Control |
| 1024 | Did not apply for / verify SSN |
| 1035 | Not meeting SNAP AU requirements |
| 1037 | In school higher than secondary level |
| 1042 | Fail to submit the required verifications |
| 1043 | Application Withdrawn |
| 1044 | Fail to complete a family cap review |
| 1046 | Fail to schedule a review at end of disqualification period |
| 1053 | Special Projects |
| 1054 | Voluntarily quit job (2nd time) |
| 1055 | Voluntarily quit job (3rd time) |
| 1060 | Your certification period has ended. |
| 1064 | Requested closure |
| 1066 | Failure to complete SNAP application process. |
| 1067 | Fraudulent Statement to SSA |
| 1068 | Initiated but Failed to Recertify |
| 1069 | Failure to complete Interim Report process |
| 1070 | Failure to Complete an Interim Report |
| 1071 | Incarcerated |
| 1142 | You did not submit required verification for recertification after reinstatement |
| 1166 | You did not complete SNAP recertification process after reinstatement |
| 1266 | You did not complete the Interim Report process after reinstatement |
| 1342 | You did not submit required verifications for an application after reinstatement |
| 1442 | You did not submit required verifications for a case maintenance reinstatement |
| 2001 | Administrative Closure |
| 2002 | Failed to keep appointment for review |
| 2005 | Bureau of Special Investigation determined fraud |
| 2006 | Fail to keep appointment to discuss computer match info |
| 2007 | Ineligibility reason removed |
| 2009 | Non-citizen resident for less than 60 days |
| 3009 | Voluntarily quit job(1st time) |
| 3015 | Fleeing felon |
| 3017 | Multiple cash and/or SNAP benefit applications |
| 3019 | Failed to meet SNAP HH composition requirements |
| 3022 | Failed to comply with FS ET requirements (first time) |
| 3024 | Failed to comply with FS ET requirements (second time) |
| 3025 | Failed to comply with FS ET requirements (third time) |
| 3029 | Ineligible for SNAP beyond initial expedited issuance |
| 3030 | Fail to comply with SNAP Work Program requirements |
| 3033 | SNAP Disqualification for Intentional Program Violation |
| 3034 | Disqualification for Fraud Court Conviction >$1000 |
| 3037 | SNAP Disqualification for Trading SNAP for Drugs |
| 3039 | Parole or Probation Violations |
| 3041 | Disqualified from SNAP due to a Cash IPV |
| 3049 | Fraudulently Receiving Duplicate Benefits |
| 6008 | Active member of another SNAP AU |
| 6011 | Currently in active/pending Cash AU |
| 2006 | Fail to keep appointment to discuss computer match info |
| 2007 | Ineligibility reason removed |
| 2009 | Non-citizen resident for less than 60 days |
| 3009 | Voluntarily quit job (1st time) |
| 3015 | Fleeing felon |
| 3017 | Multiple cash and/or SNAP benefit applications |
| 3019 | Failed to meet SNAP HH composition requirements |
| 3022 | Failed to comply with FS ET requirements (first time) |
| 3024 | Failed to comply with FS ET requirements (second time) |
| 3025 | Failed to comply with FS ET requirements (third time) |
| 3029 | Ineligible for SNAP beyond initial expedited issuance |
| 3030 | Fail to comply with SNAP Work Program requirements |
| 3033 | SNAP Disqualification for Intentional Program Violation |
| 3034 | Disqualification for Fraud Court Conviction >$1000 |
| 3037 | SNAP Disqualification for Trading SNAP for Drugs |
| 3039 | Parole or Probation Violations |
| 3041 | Disqualified from SNAP due to a Cash IPV |
| 3049 | Fraudulently Receiving Duplicate Benefits |
| 6008 | Active member of another SNAP AU |
| 6011 | Currently in active/pending Cash AU |
| 999 | Missing/Unknown |

|  |  |  |  |
| --- | --- | --- | --- |
| RELATIONSHIP\_DTA | | | |
| 1 | Aunt | 20 | Great Uncle |
| 2 | Brother-in-Law | 21 | Half-Sibling |
| 3 | Child | 22 | Mother |
| 4 | Daughter-in-Law | 23 | Mother-in-Law |
| 5 | Father | 24 | Nephew |
| 6 | Father-in-Law | 25 | Niece |
| 7 | First Cousin | 26 | Other Relationship |
| 8 | First Cousin Once Removed | 27 | Sibling |
| 9 | Great Granddaughter | 28 | Sister-in-Law |
| 10 | Great Grandson | 29 | Son-in-Law |
| 11 | Great Aunt | 30 | Spouse of a Related Person |
| 12 | Granddaughter | 31 | Spouse |
| 13 | Grandfather | 32 | Stepchild |
| 14 | Great Grandfather | 33 | Stepfather |
| 15 | Great Grandmother | 34 | Stepmother |
| 16 | Grandmother | 35 | Step-Sibling |
| 17 | Grandnephew | 36 | Uncle |
| 18 | Grandniece | 37 | Unrelated |
| 19 | Grandson | 99 | Missing/unknown |

# 

# Veteran’s Benefits – Executive Office of Veterans’ Services (PHDDVS.DVS\_CH115)

| **Variable Name** | **Variable Description** | **Meta Data** | **Format** |
| --- | --- | --- | --- |
| ID | Project Specific ID | 9 character alphanumeric ID | Char |
| Match\_level\_DVS | CHIA Match level | 1= These are members within the APCD that received a high score against the DPH input record. Candidates in this group are those that perfectly matched all elements of the DPH input record and those that generally had only one element mismatch. The threshold applied to group 1 candidates has been optimized based upon the input elements and their overall weight in determining a unique individual match.  2= This group contains members within the APCD that received a lower score against the DPH input record yet are considered possible matches. Candidates in this group could match on as little as SSN or date of birth and first name. These candidates are included for completeness. | Num |
| AGE\_DVS | Age | Age in years at time benefit payment was received  999 = missing age but receiving benefit payments | Num |
| BENEFIT\_DATE\_DVS | Date of payment | Date Proxy – count of days between date and randomly chosen date in the past  **NOTE: The larger the date proxy, the more recently the event occurred** | Num |
| BENEFIT\_MONTH\_DVS | Month of payment | Month, 1-12 | Num |
| BENEFIT\_YEAR\_DVS | Year of payment | Year, YYYY | Num |
| DME\_DVS | Payment received for durable medical equipment or hearing aids? | 0=No 1=Yes | Num |
| HOUSE\_DVS | Payment received for housing services? | 0=No 1=Yes | Num |
| MED\_DVS | Payment received for medical services? | 0=No 1=Yes | Num |
| OTH\_DVS | Payment received for other services? | 0=No 1=Yes | Num |
| RACE\_DVS | Race of benefit recipient | 1 = White non-Hispanic 2 = Black non-Hispanic 3 = Asian/PI non-Hispanic 4 = Hispanic 5 = American Indian or Other  9 = Unknown/missing | Num |
| RES\_CODE\_DVS | City of residence | 1-351 for valid MA city/town 999=Unknown | Num |
| RES\_ZIP\_DVS | Zip code of residence | 5 digit zip  99999=Unknown | Char |
| SEX\_DVS | Sex of the benefit recipient | 1=Male 2=Female 9=Unknown | Num |

## 

## DVS Supplement

Durable Medical Equipment and Hearing Aids includes:

|  |  |
| --- | --- |
| 5 | Durable meical equipment |
| 12 | Hearing Aids |

Housing Payments Include:

|  |  |
| --- | --- |
| 8 | Rent Arrears |
| 9 | Mortgage Arrears |
| 10 | Moving Expenses |
| 27 | Trans. Shelter |
| 30 | Rent Deposits(1st/last) |
| 40 | VASH-(1st, Last, Sec) |
| 41 | Hotel\*PA ONLY\* |

Medical Payments Include:

|  |  |  |  |
| --- | --- | --- | --- |
| 1 | Nursing Home | 14 | Misc Medical |
| 2 | Medicare Part "B" | 15 | \*Don't USE\* - Aetna |
| 3 | Medicare Part "C" | 16 | Medical Ins. |
| 4 | Ambulance | 17 | Commonwlth Care |
| 5 | Durable medical equipment | 19 | \*Don't USE\* - Blue Cross/Shield |
| 6 | Medicare Part "D" | 25 | Other Med. Ins. |
| 11 | Eye Glasses | 33 | MEDIGAP |
| 12 | Hearing Aids | 39 | HHA-Home Health Aide |

Other Payments Include:

|  |  |  |  |
| --- | --- | --- | --- |
| 0 | Unknown | 31 | Utility Arrears |
| 7 | Emergency Cash | 32 | \*Don't USE\* - Tufts Med Ins |
| 13 | Shelter Repairs | 34 | ONA- Natural Disaster Assistance |
| 18 | AutoRepair | 35 | Ch115\_'OB'\_Retro |
| 20 | Burials | 36 | Ch115\_'Fuel'\_ Retro |
| 21 | Flags | 37 | EOVS ONLY (OVP) |
| 22 | Fuel Assistance | 38 | IME (Ind Med Exam Submissions) |
| 26 | Repayment | 42 | Federal Furlough |
| 28 | Ch115\_Retro Ben. | 43 | Misc Other |
| 29 | TBA (C.O.L.A. only) |

# Veteran’s Benefits – Executive Office of Veterans’ Services (PHDDVS.DVS\_ANN)

| **Variable Name** | **Variable Description** | **Meta Data** | **Format** |
| --- | --- | --- | --- |
| ID | Project Specific ID | 9 character alphanumeric ID | Char |
| Match\_level\_DVS | CHIA Match level | 1= These are members within the APCD that received a high score against the DPH input record. Candidates in this group are those that perfectly matched all elements of the DPH input record and those that generally had only one element mismatch. The threshold applied to group 1 candidates has been optimized based upon the input elements and their overall weight in determining a unique individual match.  2= This group contains members within the APCD that received a lower score against the DPH input record yet are considered possible matches. Candidates in this group could match on as little as SSN or date of birth and first name. These candidates are included for completeness. | Num |
| AGE\_DVS | Age | Age in years at time benefit payment was received  999 = missing age but receiving benefit payments | Num |
| ANNUITY\_DATE\_DVS | What was the date this individual first became eligible for annuity payments | Date Proxy – count of days between date and randomly chosen date in the past  **NOTE: The larger the date proxy, the more recently the event occurred** | Num |
| ANNUITY\_MONTH\_DVS | Month individual first became eligible for annuity payment | Month, 1-12 | Num |
| ANNUITY\_YEAR\_DVS | Year individual first became eligible for annuity payment | Year, YYYY | Num |
| RACE\_DVS | Race of benefit recipient | 1 = White non-Hispanic 2 = Black non-Hispanic 3 = Asian/PI non-Hispanic 4 = Hispanic 5 = American Indian or Other  9 = Unknown/missing | Num |
| RES\_CODE\_DVS | City of residence | 1-351 for valid MA city/town 999=Unknown | Num |
| RES\_ZIP\_DVS | Zip code of residence | 5 digit zip  99999=Unknown | Char |
| SEX\_DVS | Sex of the benefit recipient | 1=Male 2=Female 9=Unknown | Num |

# Early Intervention Clients (PHDEI.EI\_CLIENTS)

| **Variable Name** | **Variable Description** | **Meta Data** | **Format** |
| --- | --- | --- | --- |
| ID | PHD ID | 9 character alphanumeric ID | Char |
| Match\_level\_EI | CHIA Match level | 1= These are members within the APCD that received a high score against the DPH input record. Candidates in this group are those that perfectly matched all elements of the DPH input record and those that generally had only one element mismatch. The threshold applied to group 1 candidates has been optimized based upon the input elements and their overall weight in determining a unique individual match.  2=This group contains members within the APCD that received a lower score against the DPH input record yet are considered possible matches. Candidates in this group could match on as little as SSN or date of birth and first name. These candidates are included for completeness. | Num |
| CUSTODY\_EI | Legal custody for this child  No longer collected starting 2017 | 1=Both parents (same household) 2=Mother 3=Father 4=Joint (separate households) 5=DCF 6=Other legal guardian 8=Child's grandparents 9=Unknown | Num |
| GUARDIAN\_EI | New variable starting 2017 | 1=Mother  2=Father  3=DCF  4=Other legal guardian 9=Unknown | Num |
| MOTHER\_EMP\_EI | Mother's employment status (primary family)  No longer collected starting 2017 | [See code list](#_Employment_Status_1) | Num |
| FATHER\_EMP\_EI | Mother's employment status (primary family)  No longer collected starting 2017 | [See code list](#_Employment_Status_1) | Num |
| PRIMARY\_LANGUAGE\_EI | Primary language spoken at home | 1=English 2=Spanish 3=Portuguese 4=Crioula (Cape Verdean) 5=Creole (Haitian) 6=Khmer 7=Chinese 8=Laotian 9=Vietnamese 10=ASL 88=Other 99=Unknown | Num |
| WRITTEN\_LANGUAGE\_EI | New variable collected starting 2017  Written language | 1=English 2=Spanish 3=Portuguese 4=Crioula (Cape Verdean) 5=Creole (Haitian) 6=Khmer 7=Chinese 8=Laotian 9=Vietnamese 10=ASL 88=Other 99=Unknown | Num |
| RACE\_EI | Client's race/Hispanic ethnicity | 1 = White non-Hispanic 2 = Black non-Hispanic 3 = Asian/PI non-Hispanic 4 = Hispanic 5 = American Indian or Other  9 = Unknown | Num |
| REF\_DATE\_EI | Referral date (date of 1st contact with the referral caller) | Date Proxy – count of days between referral date and randomly chosen date in the past  **NOTE: The larger the date proxy, the more recently the event occurred** | Num |
| REF\_SUGESTOR\_EI | Who suggested that the family contact this EI program? | [See code list](#_REF_SUGESTOR_EI_2) | Num |
| REF\_SUGESTOR\_EI\_new | New system starting in 2017 have different values, not all comparable to prior years  Who suggested that the family contact this EI program? | 1= Hospital/Medical facility  2= DPH program/service  3= Department of Children and Families (DCF)  4= Early Intervention Partnership Program (EIPP)  5= Early Intervention program-Massachusetts  6= Neonatal Intensive Care Unit (NICU)  7= Other  8= Parent/Self-referral  9= Primary Care Provider (PCP)/Pediatrician | Num |
| RES\_CODE\_EI | City/town of child's residence | 1-351 for valid MA city/town 999=Unknown | Num |
| RES\_ZIP\_EI | Child's zip code | 5 digit zip code 99999=Unknown | Char |
| RES\_TYPE\_EI | Child's residence type  No longer collected starting 2017 | 1=Family Home 2=Relative's Home 3=Foster Home 4=Shelter 5=Grandparent (non-foster) 6=Other relative’s home (non-foster) 7=Foster home (kinship) 8=Foster home (non-relative) 88=Other 99=Unknown | Num |
| SEX\_EI | Sex of the child | 1=Male 2=Female 9=Unknown | Num |
| REF\_YEAR\_EI | Year of Referral date (date of 1st contact with the referral caller) | 2011-2019 | Num |
| REF\_MONTH\_EI | Month of Referral date (date of 1st contact with the referral caller) | 1-12 | Num |
| BIRTH\_YEAR\_EI | Year of birth of child | 2011-2019 | Num |
| BIRTH\_MONTH\_EI | Month of birth of child | 1-12 | Num |
| HOMELESS\_NOW\_EI | Currently homeless | 0=No 1=Yes 9=Unknown | Num |
| HOMELESS\_Recently\_EI | Have family been homeless in last 12 months | 0=No 1=Yes 9=Unknown | Num |

|  |  |
| --- | --- |
| REF\_SUGESTOR\_EI | |
| 0 | Missing |
| 1 | Another MA EI Program (transferred) |
| 2 | Comm Health Center/Clinic |
| 3 | Comm/Social Sv Agency (incl. shelter, residential trtmt ctr) |
| 4 | Day Care/Educ Instit |
| 5 | Adolescent Parenting Program |
| 6 | DPH Care Coordination |
| 7 | DPH Family TIES |
| 8 | DPH Healthy Start |
| 9 | DPH Hearing Aid Program |
| 10 | Newborn Hearing Screening Prg |
| 11 | DPH MassCare |
| 12 | DPH Pediatric Primary Care |
| 13 | DPH WIC |
| 14 | DSS |
| 15 | FIRSTLink |
| 16 | Friend/Relative |
| 17 | HMO or HMO Physician |
| 18 | Home Health Svs/VNA |
| 19 | Hospital/NICU staff/Medical facility |
| 20 | Primary Care Provider |
| 21 | Public Information Ad |
| 22 | SSI |
| 23 | EI Partnerships |
| 27 | DPH Lead Poisoning Program |
| 28 | FOR Families |
| 29 | Healthy Families |
| 30 | Self-referred/Prev or current EI involvmt |
| 31 | Pediatrician/Physician/PCP/HMO |
| 32 | Hospital NICU staff |
| 33 | Hospital/Medical facility (not NICU) |
| 34 | Other allied health (incl. SP,PT,OT,RN) |
| 35 | Other allied mental health |
| 36 | Self-referred/Prev or current EI involvmt |
| 88 | Other |
| 99 | Unknown |

|  |  |
| --- | --- |
| Employment Status | |
| 1 | Full-time, outside home |
| 2 | Self-employed, full-time, in the home |
| 3 | Not in Labor Force: Homemaker, full-time |
| 4 | Employed: Part-time (in or out of home) |
| 5 | Employed: Maternity/Paternity/Family leave |
| 6 | Not in Labor Force: Unemployed |
| 7 | Not in Labor Force: Student |
| 8 | Other |
| 9 | Unknown |
| 10 | Employed: Full time (incl uniformed svs) |
| 11 | Not in Labor Force: Retired |
| 12 | Not in Labor Force: Volunteer |
| 13 | Not in Labor Force: Disabled |
| 14 | Not in Labor Force: Incarcerated |
| 88 | Other |
| 99 | Unknown |

# Early Intervention Clients – Diagnoses Table (PHDEI.EI\_DiagnosesTable)

|  |  |  |  |
| --- | --- | --- | --- |
| **Variable Name** | **Variable Description** | **Meta Data** | **Format** |
| DiagnosisID\_EI | Diagnoses code in EI |  | Num |
| ICD9Code | Valid ICD9 code |  | Num |
| ICD9Description | Text field description |  | Char |
| ICD10Code | Valid ICD10 code |  | Char |
| ICD10Description | Text field description |  | Char |
| Elig\_Timeframe | Eligibility Timeframe |  | Char |
| BegDateICD9 | Beginning Date for ICD9 Codes | MMDDYYYY | Num |
| EndDateICD9 | Ending Date for ICD9 Codes | MMDDYYYY | Num |
| BegDateICD10 | Beginning Date for ICD10 Codes | MMDDYYYY | Num |
| EndDateICD10 | Ending Date for ICD10 Codes | MMDDYYYY | Num |

# Early Intervention (EI) Discharge (PHDEI.EI\_DISCHARGES)

| **Variable Name** | **Variable Description** | **Meta Data** | **Format** |
| --- | --- | --- | --- |
| ID | PHD ID | 9-character alphanumeric ID | Char |
| BATTELLE\_ADP\_DQ\_DISCHARGE | Battelle: ADAPTIVE (ADP) Development Quotient (DQ) | 55-145 | Num |
| BATTELLE\_AI\_DISCHARGE | Battelle: PERSONAL-SOCIAL (P-S) - Adult Interaction (AI) raw score | 0-60 | Num |
| BATTELLE\_AM\_DISCHARGE | Battelle: COGNITIVE (COG) - Attention and Memory (AM) raw score | 0-60 | Num |
| BATTELLE\_COG\_DQ\_DISCHARGE | Battelle: COGNITIVE (COG) Development Quotient (DQ) | 55-145 | Num |
| BATTELLE\_COM\_DQ\_DISCHARGE | Battelle: COMMUNICATION (COM) Development Quotient (DQ) | 55-145 | Num |
| BATTELLE\_ED\_DISCHARGE | Battelle: COMMUNICATION (COM) - Expressive communication (EC) raw score | 0-90 | Num |
| BATTELLE\_FM\_DISCHARGE | Battelle: MOTOR (MOT) - Fine motor (FM) raw score | 0-60 | Num |
| BATTELLE\_GM\_DISCHARGE | Battelle: MOTOR (MOT) - Gross motor (GM) raw score | 0-90 | Num |
| BATTELLE\_MOT\_DQ\_DISCHARGE | Battelle: MOTOR (MOT) Development Quotient (DQ) | 55-145 | Num |
| BATTELLE\_PC\_DISCHARGE | Battelle: COGNITIVE (COG) - Perception and Concepts (PC) raw score | 0-80 | Num |
| BATTELLE\_PI\_DISCHARGE | Battelle: PERSONAL-SOCIAL (P-S) - Peer Interaction (PI) raw score | 0-50 | Num |
| BATTELLE\_PM\_DISCHARGE | Battelle: MOTOR (MOT) - Perceptual motor (PM) raw score | 0-50 | Num |
| BATTELLE\_PR\_DISCHARGE | Battelle: ADAPTIVE (ADP) - Personal Responsibility (PR) raw score | 0-50 | Num |
| BATTELLE\_PS\_DQ\_DISCHARGE | Battelle: PERSONAL-SOCIAL (P-S) Development Quotient (DQ) | 55-145 | Num |
| BATTELLE\_RA\_DISCHARGE | Battelle: COGNITIVE (COG) - Reasoning and Academic Skills (RA) raw score | 0-70 | Num |
| BATTELLE\_RC\_DISCHARGE | Battelle: COMMUNICATION (COM) - Receptive communication (RC) raw score | 0-80 | Num |
| BATTELLE\_SC\_DISCHARGE | Battelle: ADAPTIVE (ADP) - Self-Care (SC) raw score | 0-70 | Num |
| BATTELLE\_SR\_DISCHARGE | Battelle: PERSONAL-SOCIAL (P-S) - Self-Concept and Social Role (SR) raw score | 0-90 | Num |
| DiagnosisID\_EI | First ICD Medical diagnosis at discharge | EI diagnoses codes correspond to Valid ICD9 or ICD10 code | Num |
| DISCHARGE\_REASON\_EI | Reason for discharge | [See code list](#_DischargeReason_1) | Num |
| DISCHARGE\_New\_REASON\_EI | New system starting in 2017 have different values, not all comparable to prior years  Reason for discharge | 1= 3 Years: Family opt out of LEA referral  2= 3 Years: Not eligible for LEA - No Referrals  3= 3 Years: Not eligible for LEA - Referrals Made  4= 3 Years: Referral to LEA  5= Child Died  6= Child Moved out of State  7= Family Choice: Declined services  8= No Contact/Lost Contact  9= Transferred to another MA EI program  10= Under 3: Not Eligible  99= Unknown | Num |
| LAST\_DATE\_EI | Last service date | Date Proxy – count of days between last service date and randomly chosen date in the past  **NOTE: The smaller the date proxy, the more recently the event occurred** | Num |
| LAST\_YEAR\_EI | Last year of service | YYYY | Num |
| LAST\_MONTH\_EI | Last month of service | Months (1-12) | Num |
| REFERRALS\_ANOTHER\_EI | Recommended referrals at discharge: Another EI program  No longer collected starting in 2017 | 0=No 1=Yes | Num |
| REFERRALS\_CHILD\_CARE | Recommended referrals at discharge: Family or center childcare  No longer collected starting in 2017 | 0=No 1=Yes | Num |
| REFERRALS\_COMMUNITY\_PLAY | Recommended referrals at discharge: Community playgroup  No longer collected starting in 2017 | 0=No 1=Yes | Num |
| REFERRALS\_DPH\_CARE\_COORD | Recommended referrals at discharge: DPH Case Management  No longer collected starting in 2017 | 0=No 1=Yes | Num |
| REFERRALS\_HEADSTART | Recommended referrals at discharge: Headstart  No longer collected starting in 2017 | 0=No 1=Yes | Num |
| REFERRALS\_LEA\_SPED | Recommended referrals at discharge: Public school-LEA/SPED  No longer collected starting in 2017 | 0=No 1=Yes | Num |
| REFERRALS\_NONE | Recommended referrals at discharge: None  No longer collected starting in 2017 | 0=No 1=Yes | Num |

| **Code** | DischargeReason |  |
| --- | --- | --- |
| 1 | 3 Years of Age |  |
| 2 | Under 3 - Services Deemed Unnecessary |  |
| 3 | Transferred to Another EI Program |  |
| 4 | Family Moved from Area |  |
| 5 | Referred to Other Services |  |
| 6 | Unable to Contact Family |  |
| 7 | Family Refused Services |  |
| 9 | Ineligible |  |
| 10 | Child Died |  |
| 11 | Incomplete Intake (No EVAL) - family seen |  |
| 12 | Incomplete Intake (No EVAL) - family not seen |  |
| 13 | Family moved out of state |  |
| 14 | Family moved within the state |  |
| 15 | Family decided on another EI program |  |  |  |
| 16 | Prolonged hospitalization |  |  |  |
| 17 | No shows/Unable to contact/Cancels/UnResponsive |  |  |  |
| 18 | Family Inactive |  |  |  |
| 20 | Transferred/Family decided on another EI prg |  |  |  |
| 21 | Ineligible according to eligibility assessment |  |  |  |
| 22 | Family choice-due to the Family Fee |  |  |  |
| 23 | Family choice-not interested in eligibility evaluation |  |  |  |
| 24 | Family choice-not interested in services |  |  |  |
| 25 | EIPP CHA svs only |  |  |  |
| 26 | IFSP Goals Reached |  |  |  |
| 30 | Family Choice: Declined services |  |  |  |
| 32 | 3 Years: Family opt out of LEA referral |  |  |  |
| 33 | 3 Years: Referral to LEA |  |  |  |
| 34 | Child Moved out of State |  |  |  |
| 35 | No Contact/Lost Contact |  |  |  |
| 36 | Under 3: Not Eligible |  |  |  |
| 37 | 3 Years: Not eligible for LEA-Referred elsewhere |  |  |  |
| 38 | 3 Years: Not eligible for LEA-No other referrals |  |  |  |
| 39 | Transferred to another MA EI program |  |  |  |
| 88 | Other |  |  |  |
| 96 | Data Entry Error |  |  |  |
| 99 | Unknown |  |  |  |

# Early Intervention Evaluation (PHDEI.EI\_EVALUATION)

| **Variable Name** | **Variable Description** | **Meta Data** | **Format** |
| --- | --- | --- | --- |
| ID | PHD ID | 9 character alphanumeric ID | Char |
| ADOPTION\_EI | Adoption status | 0=No 1=Yes 2=In process 9=Unknown | Num |
| ADOPTION\_INTERNATIONAL\_EI | International adoption  No longer collected since 2017 | 0=No 1=Yes | Num |
| ASD\_DIAG\_DATE | Date of ASD diagnosis  Starting with 2017, this variable was created looking at the Evaluation date for which a Diagnosis was reported | Date Proxy – count of days between ASD diagnosis and randomly chosen date in the past  **NOTE: The larger the date proxy, the more recently the event occurred** | Num |
| ASD\_DIAG\_YEAR | Year of ASD diagnosis | YYYY | Num |
| ASD\_DIAG\_Month | Month of ASD diagnosis | Month (1-12) | Num |
| Autism\_EI | Child has an autism diagnosis or is in the autism file  Starting with 2017, this flag was created looking at only diagnosis- separate file is no longer collected | 1=Yes 0=No | Num |
| BATTELLE\_ADP\_DQ\_EVAL | Battelle: ADAPTIVE (ADP) Development Quotient (DQ) | 55-145  Blanks=Unknown/not collected | Num |
| BATTELLE\_AI\_EVAL | Battelle: PERSONAL-SOCIAL (P-S) - Adult Interaction (AI) raw score | 0-60  Blanks=Unknown/not collected | Num |
| BATTELLE\_AM\_EVAL | Battelle: COGNITIVE (COG) - Attention and Memory (AM) raw score | 0-60  Blanks=Unknown/not collected | Num |
| BATTELLE\_COG\_DQ\_EVAL | Battelle: COGNITIVE (COG) Development Quotient (DQ) | 55-145  Blanks=Unknown/not collected | Num |
| BATTELLE\_COM\_DQ\_EVAL | Battelle: COMMUNICATION (COM) Development Quotient (DQ) | 55-145  Blanks=Unknown/not collected | Num |
| BATTELLE\_DATE\_EVAL | Date that tool (Battelle) was first used | Date Proxy – count of days between Batelle administration date and randomly chosen date in the past  **NOTE: The larger the date proxy, the more recently the event occurred** | Num |
| BATTELLE\_YEAR\_EVAl | Year tool (Battelle) was first used | YYYY | Num |
| BATTELLE\_montH\_EVAl | Month tool (Battelle) was first used | Month (1-12) | Num |
| BATTELLE\_EC\_EVAL | Battelle: COMMUNICATION (COM) - Expressive communication (EC) raw score | 0-90  Blanks=Unknown/not collected | Num |
| BATTELLE\_FM\_EVAL | Battelle: MOTOR (MOT) - Fine motor (FM) raw score | 0-60  Blanks=Unknown/not collected | Num |
| BATTELLE\_GM\_EVAL | Battelle: MOTOR (MOT) - Gross motor (GM) raw score | 0-90  Blanks=Unknown/not collected | Num |
| BATTELLE\_MOT\_DQ\_EVAL | Battelle: MOTOR (MOT) Development Quotient (DQ) | 55-145  Blanks=Unknown/not collected | Num |
| BATTELLE\_PC\_EVAL | Battelle: COGNITIVE (COG) - Perception and Concepts (PC) raw score | 0-80  Blanks=Unknown/not collected | Num |
| BATTELLE\_PI\_EVAL | Battelle: PERSONAL-SOCIAL (P-S) - Peer Interaction (PI) raw score | 0-50  Blanks=Unknown/not collected | Num |
| BATTELLE\_PM\_EVAL | Battelle: MOTOR (MOT) - Perceptual motor (PM) raw score | 0-50  Blanks=Unknown/not collected | Num |
| BATTELLE\_PR\_EVAL | Battelle: ADAPTIVE (ADP) - Personal Responsibility (PR) raw score | 0-50  Blanks=Unknown/not collected | Num |
| BATTELLE\_PS\_DQ\_EVAL | Battelle: PERSONAL-SOCIAL (P-S) Development Quotient (DQ) | 55-145  Blanks=Unknown/not collected | Num |
| BATTELLE\_RA\_EVAL | Battelle: COGNITIVE (COG) - Reasoning and Academic Skills (RA) raw score | 0-70  Blanks=Unknown/not collected | Num |
| BATTELLE\_RC\_EVAL | Battelle: COMMUNICATION (COM) - Receptive communication (RC) raw score | 0-80  Blanks=Unknown/not collected | Num |
| BATTELLE\_SC\_EVAL | Battelle: ADAPTIVE (ADP) - Self-Care (SC) raw score | 0-70  Blanks=Unknown/not collected | Num |
| BATTELLE\_SR\_EVAL | Battelle: PERSONAL-SOCIAL (P-S) - Self-Concept and Social Role (SR) raw score | 0-90  Blanks=Unknown/not collected | Num |
| BLOOD\_LEAD\_EI | Child's blood lead levels measured 15 micrograms/dl? | 0=No 1=Yes 9=Unknown | Num |
| CNS\_ABNORMAL\_EI | Suspected central nervous system abnormality? | 0=No 1=Yes 9=Unknown | Num |
| DiagnosisID\_EI | First ICD Medical diagnosis at evaluation | EI diagnoses codes that correspond to Valid ICD9 or ICD10 codes | Num |
| DV\_EI | Domestic violence in the home? | 0=No 1=Yes 9=Unknown | Num |
| ELIGIBILITY\_TYPE\_EI | Eligibility category | 0=Ineligible 1=Established Conditions 2=Established Delays 3=At Risk Conditions 4=Est Cond/Est Delay 5=Est Cond/At Risk 6=Est Delay/At Risk 7=All 3 8=Clinical judgment 99=Undetermined (missing DOB/DOE) | Num |
| EvaluationNo\_EI | Evaluation number | Integer | Num |
| FAMILY\_ADULTS\_EI | # of parent(s)/caregiver(s) in the household  No longer collected since 2017 | Integer | Num |
| FAMILY\_CHILDREN\_EI | # of children in the household  No longer collected since 2017 | Integer | Num |
| FEEDING\_DIFFICULTY\_EI | Does this child have chronic feeding difficulties? | 0=No 1=Yes 9=Unknown | Num |
| FIRST\_DATE\_EI | 1st date when the child received actual therapeutic service | Date Proxy – count of days between first service date and randomly chosen date in the past  **NOTE: The larger the date proxy, the more recently the event occurred** | Num |
| FIRST\_YEAR\_EI | Year when the child received actual therapeutic service | YYYY | Num |
| FIRST\_MONTH\_EI | Month when the child received actual therapeutic service | Month (1-12) | Num |
| GESTATIONAL\_AGE\_EI | Child's gestational age | Integer | Num |
| HOMELESSNESS\_EI | Do any of the following conditions exist in the Biological or Primary Family? Homelessness?  No longer collected since 2017 | 0=No 1=Yes 9=Unknown | Num |
| HOSP\_EI | Was child hospitalized for more than 25 days during a 6-month period of time? | 0=No 1=Yes 9=Unknown | Num |
| HV\_BABYSITTER | Location of home visit: Babysitter's home  No longer collected since 2017 | 0=No 1=Yes | Num |
| HV\_CHILD\_CARE\_CENTER | Location of home visit: Child care center  No longer collected since 2017 | 0=No 1=Yes | Num |
| HV\_FAMILY\_DAY\_CARE | Location of home visit: Family day care center  No longer collected since 2017 | 0=No 1=Yes | Num |
| HV\_HOME | Location of home visit: Home  No longer collected since 2017 | 0=No 1=Yes | Num |
| HV\_OTHER\_FAMILY\_HOME | Location of home visit: Other family member's home  No longer collected since 2017 | 0=No 1=Yes | Num |
| IFSP\_DATE | Individual Family Service Plan (IFSP) signature date | Date Proxy – count of days between IFSP date and randomly chosen date in the past  **NOTE: The larger the date proxy, the more recently the event occurred** | Num |
| IFSP\_YEAR | Year Individual Family Service Plan (IFSP) signature | YYYY | Num |
| IFSP\_MONTH | Month Individual Family Service Plan (IFSP) signature | Month (1-12) | Num |
| INCOME\_EI | Annual gross family income  No longer collected since 2017 | Integer | Num |
| Poverty\_Level\_EI | Poverty level  New starting 2017 | 1 - less than 300%  2 - 300 to 399%  3 - 400 to 499%  4 - 500 to 599%  5 - 600 to 699%  6 - 700% or more  7 -Family Refused  9 -Unknown | Num |
| INSECURE\_ATTACHMENT\_EI | Does this child experience insecure attachment/interactional difficulty?  No longer collected since 2017 | 0=No 1=Yes 9=Unknown | Num |
| IUGR\_SGA | Was child diagnosed at birth with IUGR or SGA? | 0=No 1=Yes 9=Unknown | Num |
| LACKING\_GOODS\_EI | Family lacking adequate food and clothing | 0=No 1=Yes 9=Unknown | Num |
| LACKING\_SUPPORT\_EI | Family lacking social supports? | 0=No 1=Yes 9=Unknown | Num |
| MOM\_AGE\_EI | Biological mother's age at delivery  No longer collected since 2017 | Age in years 999=Unknown | Num |
| MOM\_EDU\_EI | Biological mother's years of formal education | Integer  99, Blanks= Unknown | Num |
| MOM\_PARITY\_EI | Has the biological mother had 3 or more children before the age of 20? | 0=No 1=Yes 9=Unknown | Num |
| MULTIPLE\_TRAUMA\_EI | Multiple trauma/losses experienced by the child? | 0=No 1=Yes 9=Unknown | Num |
| NICU\_DAYS\_EI | # of days this child was in the NICU (if answered "Yes" to NICU Stay) | Integer 888=N/A | Num |
| NICU\_EI | Was child in the NICU? | 0=No 1=Yes 9=Unknown | Num |
| NOTIFIED\_DATE\_EI | Date Notified if Eligible or Ineligible | Date Proxy – count of days between notification date and randomly chosen date in the past  **NOTE: The larger the date proxy, the more recently the event occurred** | Num |
| NOTIFIED\_YEAR\_EI | Year Notified if Eligible or Ineligible | YYYY | Num |
| NOTIFIED\_MONTH\_EI | Month Notified if Eligible or Ineligible | Month (1-12) | Num |
| PARENT\_CONDITION\_EI | Parental chronic illness or disability? | 0=No 1=Yes 9=Unknown | Num |
| PRIMARY\_SETTING\_EI | Primary setting | 1=Home setting  2=Community-based setting  3=Hospital setting  4=Residential treatment center setting  5=Other setting | Num |
| PROTECTIVE\_SERVICES\_EI | Open/confirmed protective service investigation | 0=No 1=Yes 9=Unknown | Num |
| SMALL\_SIZE\_EI | Is this child's weight, weight for height or height for age less than the 5th percentile or child's weight for age dropped 2 or more major centiles? | 0=No 1=Yes 9=Unknown | Num |
| SUBSTANCE\_ABUSE\_EI | Substance abuse in the home? | 0=No 1=Yes 9=Unknown | Num |
| SUBSTANCE\_EXPOSED\_EI | Dx of SEN  New Starting with 2018 birth cohort | 0=No 1=Yes 9=Unknown | Num |
| SEN\_OR\_NAS\_SIBLING\_EI | Sibling with Dx of SEN or NAS  New Starting with 2018 birth cohort | 0=No 1=Yes 9=Unknown | Num |

# 

# Fetal Deaths - Registry of Vital Records and Statistics (PHDFETAL.FETALDEATH)

| **Variable Name** | **Variable Description** | **Meta Data** | **Format** |
| --- | --- | --- | --- |
| ID | PHD ID | 9 character alphanumeric ID | Char |
| Match\_level\_FD | CHIA Match level | 1= These are members within the APCD that received a high score against the DPH input record. Candidates in this group are those that perfectly matched all elements of the DPH input record and those that generally had only one element mismatch. The threshold applied to group 1 candidates has been optimized based upon the input elements and their overall weight in determining a unique individual match.  2=This group contains members within the APCD that received a lower score against the DPH input record yet are considered possible matches. Candidates in this group could match on as little as SSN or date of birth and first name. These candidates are included for completeness. | Num |
| ALC\_DURING\_FD | Any alcohol consumption during pregnancy? | 0=No 1=Yes 9=Unknown | Num |
| ALC\_NUM\_FD\_TRI1 | # of drinks first 3 mos of pregnancy | # of drinks  99=Unknown Blank=N/A (MF Record) | Num |
| ALC\_NUM\_FD\_TRI2 | # of drinks second 3 mos of pregnancy | # of drinks  99=Unknown Blank=N/A (MF Record) | Num |
| ALC\_NUM\_FD\_TRI3 | # of drinks third trimester of pregnancy | # of drinks  99=Unknown Blank=N/A (MF Record) | Num |
| ANOMALY\_ANENCEPHALY\_FD | Congenital anomalies - Anencephaly | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| ANOMALY\_CHD\_CYANOTIC\_FD | Congenital anomalies - Cyanotic congenital heart disease | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| ANOMALY\_CHROM\_DIS\_CONFIRMED\_FD | Congenital anomalies - suspected chromosomal disorder: Karyotype confirmed (chromosomal disorder) | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| ANOMALY\_CHROM\_DIS\_PENDING\_FD | Congenital anomalies - suspected chromosomal disorder: Karyotype pending (chromosomal disorder) | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| ANOMALY\_CHROM\_DISORDER\_FD | Congenital anomalies - Suspected chromosomal disorder | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| ANOMALY\_CLEFT\_FD | Congenital anomalies - Cleft lip with or without cleft palate | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| ANOMALY\_CLEFT\_PALATE | Congenital anomalies - Cleft palate alone | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| ANOMALY\_DIAPHRAGMATIC\_HERNIA\_FD | Congenital anomalies - Congenital diaphragmatic hernia | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| ANOMALY\_DOWN\_CONFIRMED\_FD | Congenital anomalies - Down syndrome: Karyotype confirmed | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| ANOMALY\_DOWN\_FD | Congenital anomalies - Down syndrome | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| ANOMALY\_DOWN\_PENDING\_FD | Congenital anomalies - Down syndrome: Karyotype pending | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| ANOMALY\_GASTRO\_FD | Congenital anomalies - Gastroschisis | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| ANOMALY\_HYPO\_FD | Congenital anomalies - Hypospadias | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| ANOMALY\_LIMB\_REDUCTION\_FD | Congenital anomalies - Limb reduction defect (excluding dwarfing syndrome) | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| ANOMALY\_MENI\_SB\_FD | Congenital anomalies - Meningomyelocele/Spina bifida | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| ANOMALY\_NONE\_FD | Congenital anomalies - None of the above | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| ANOMALY\_OMPH\_FD | Congenital anomalies - Omphalocele | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| ATTENDANT\_TITLE\_FD | Attendant title | 1=MD 2=DO 3=CNM/CM 4=Other Midwife 5=Other (specify)  9=Unknown | Num |
| AUTOP\_FD | Was an autopsy performed? | 0=No 1=Yes 3=Planned Blank = MF record that wasn’t Yes or No (planned was not an option) | Num |
| AUTOP\_USED\_FD | VIP: Were autopsy or histological placental examination results used in determining the cause of fetal death?  MF: Were findings available prior to cause | 0=No 1=Yes 8=Not applicable | Num |
| BIRTH\_ORDER\_FD | Birth Order | 1=first born 2=second born 3=third born 4=fourth born 8=N/A (not a multiple birth) 9=unknown | Num |
| CENSUS\_IND\_FD | Bureau of census industry code (mother) | 4 digit bureau of census industry code | Num |
| CENSUS\_OCC\_FD | Bureau of census occupation code (mother) | 4 digit bureau of census industry code | Num |
| CERT\_TITLE\_FD | Certifier title | 1=MD 2=DO  3=ME 5=NP (not available on MF records) 9=Unknown | Num |
| CIG\_DURING\_PREG\_FD | Any tobacco use during pregnancy? | 0=No  1=Yes  9= Unknown | Num |
| CIG\_NUM\_FD\_TRI1 | # of cigarettes smoked first 3 mos of pregnancy | 0-98 99=Unknown Blank=N/A (MF Record) | Num |
| CIG\_NUM\_FD\_TRI2 | # of cigarettes smoked second 3 mos of pregnancy | 0-98 99=Unknown Blank=N/A (MF Record) | Num |
| CIG\_NUM\_FD\_TRI3 | # of cigarettes smoked third trimester of pregnancy | 0-98 99=Unknown Blank=N/A (MF Record) | Num |
| DEATH\_BDA\_LABOR | When did baby die? | 1=Before 2=During 3=After 9=Unknown | Num |
| DELIV\_METHOD\_FD | Delivery method | 1=Vaginal/spontaneous  2=Vaginal/forceps 3=Vaginal/vacuum  4=Cesarean 9=Unknown  Blank=N/A (MF Record) | Num |
| DELIVERY\_WEIGHT | Delivery weight | 350 grams or greater 9999=unknown | Num |
| FACILITY\_ID\_FD | Facility Number | 4 digit number 0000-9999 | Char |
| FACILITY\_TYPE\_FD | Place Where Delivery Occurred | 1=Hospital 2=Clinic/Doctor's Office  3=Freestanding birthing center 4=Planned Home Delivery  5=Unplanned Home Delivery 6=Other  7= home delivery (unknown if planned) option is only for MF 9=Unknown | Num |
| FATHER\_RACE\_FD | Single race/Hispanic ethnicity for father  Not available for Mainframe records for 2011-2014 | 1 = White non-Hispanic 2 = Black non-Hispanic 3 = Asian/PI non-Hispanic 4 = Hispanic 5 = American Indian or Other  9 = Unknown | Num |
| FERT\_AI\_FD | Artificial insemination | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| FERT\_ART\_FD | Assisted Reproductive Technology | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| FERT\_DRUG\_FD | Fertility-enhancing drugs | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| FERT\_EGG\_FD | Anonymous egg donor | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| FERT\_FD | Pregnancy resulted from infertility treatment | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| FERT\_IUI\_FD | Intrauterine insemination | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| FERT\_NONE\_FD | Birth Trends and Technologies-None of the above | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| FERT\_OTHER\_FD | Other medical treatment | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| FERT\_SPERM\_FD | Anonymous sperm donor | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| FERT\_SURROGATE\_FD | Surrogacy | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| FETAL\_DEATH\_DATE | Date of fetal death | **Date Proxy** – count of days between fetal death date and randomly chosen date in the past  NOTE: The larger the date proxy, the more recently the event occurred | Num |
| FETAL\_DEATH\_LINK\_ID | Project specific ID that links a woman and all fetuses lost on the same date | 4-8 digit numeric ID | Num |
| FETAL\_DEATH\_MONTH | Month of fetal death | Months, 1-12 | Num |
| FETAL\_DEATH\_YEAR | Year of fetal death | Years (YYYY) | Num |
| FETAL\_PRESENTATION\_FD | Fetal presentation at delivery | 1=Cephalic 2=Breech 3=Other  Blank = N/A (MF record) | Num |
| FIRST\_PRENATAL\_DATE\_FD | Date of first prenatal care visit | **Date Proxy – count of days between date of first prenatal care visit and randomly chosen date in the past** **NOTE: The larger the date proxy, the more recently the event occurred** | Num |
| FIRST\_PRENATAL\_MONTH\_FD | Month of first prenatal care visit | Months, 1-12  99=Missing | Num |
| FIRST\_PRENATAL\_YEAR\_FD | Year of first prenatal care visit | Years (YYYY)  9999=Missing | Num |
| FOREIGN\_BORN\_FD | Mother's country of birth | 0=US born  1=Foreign born  9=Unknown | Num |
| GESTATIONAL\_AGE\_FD | VIP: Obstetric Estimate of Gestation at Delivery  MF: Calculated gestational weeks | Age in weeks (20 or more) 99.99=unknown | Num |
| HIST\_PLAC\_EXAM | Was a histological placental examination performed? | 0=No 1=Yes 2=Planned  Blank = N/A (MF record) | Num |
| HOME\_BIRTH\_PLANNED\_FD | Place Where Delivery Occurred: Home Delivery--Planned Home Delivery? | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| ICC\_ABRUPTIO | Initiating Cause/Condition: Abruptio placenta | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| ICC\_CHOR | Initiating Cause/Condition: Chorioamnionitis | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| ICC\_CORD | Initiating Cause/Condition: Prolapsed Cord | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| ICC\_FETAL\_ANOM | Initiating Cause/Condition: Fetal Anomaly | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| ICC\_FETAL\_INFECT | Initiating Cause/Condition: Fetal Infection | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| ICC\_FETAL\_INJ | Initiating Cause/Condition: Fetal Injury | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| ICC\_MAT\_COND | Initiating Cause/Condition: Maternal Condition/Disease | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| ICC\_OTH\_COMPLICATION | Initiating Cause/Condition: Other Obstetrical or Pregnancy Complications | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| ICC\_OTH\_CONDITION | Initiating Cause/Condition: Other Fetal Conditions/Disorders | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| ICC\_OTHER | Initiating Cause/Condition: Complications Other | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| ICC\_OTHER\_SP | Initiating Cause/Condition: Complications Other specify | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| ICC\_PLAC\_INSUFF | Initiating Cause/Condition: Placental insufficiency | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| ICC\_RUPTURE\_PRIOR\_LABOR | Initiating Cause/Condition: Rupture of membranes prior to onset of labor | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| ICC\_UNKNOWN | Initiating Cause/Conditions: Unknown | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| INC\_CODE\_FD | City/town of fetal death | 1-351 999=Unknown | Num |
| INC\_ZIP\_FD | Birth facility zip code | 5 digit zip code 99999=Unknown Blank = N/A (MF record) | Char |
| KOTELCHUCK\_FD | Adequacy of Prenatal Care Utilization Index | 0=Missing/Unknown 1= Inadequate  2= Intermediate  3= Adequate  4=Intensive | Num |
| LAD\_COMP\_HYS | Labor & Delivery complications - Unplanned hysterectomy | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| LAD\_COMP\_ICU | Complications of labor & delivery - Admission to intensive care unit | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| LAD\_COMP\_MAT\_TRANSFUSE | Complications of labor & delivery - Maternal transfusion | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| LAD\_COMP\_NONE\_FD | Maternal Morbidity-None of the above | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| LAD\_COMP\_OR | Labor & Delivery complications - Unplanned operating room procedure following delivery | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| LAD\_COMP\_RUPT\_UTERUS | Labor & Delivery complications - Ruptured uterus | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| LAST\_MENSES\_DATE\_FD | Date of last menses | **Date Proxy – count of days between date of last menses and randomly chosen date in the past** **NOTE: The larger the date proxy, the more recently the event occurred** | Num |
| LAST\_MENSES\_MONTH\_FD | Month of last menses | Months, 1-12  99=Missing | Num |
| LAST\_MENSES\_YEAR\_FD | Year of last menses | Years (YYYY)  9999=Missing | Num |
| MARITAL\_FD | Mother's Marital Status | 1=Married 2=Not married 9=Unknown | Num |
| MATINF\_CHLAM\_FD | Maternal infection - Chlamydia | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| MATINF\_CMV | Maternal infection - Cytomegalovirus | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| MATINF\_GON\_FD | Maternal infections - Gonorrhea | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| MATINF\_GRB\_STREP | Maternal infections - Group B Streptococcus | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| MATINF\_LISTERIA | Maternal infections - Listeria | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| MATINF\_NONE\_FD | Infections-None of the above | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| MATINF\_OTHER | Maternal infections - other | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| MATINF\_PARO | Maternal infections - Parvovirus | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| MATINF\_SYPH\_FD | Maternal infections - Syphilis | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| MATINF\_TOXOPLAS | Maternal infections - Toxoplasmosis | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| MATRISK\_C\_SEC\_FD | Maternal risk factors - Previous cesarean delivery | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| MATRISK\_C\_SEC\_NUM\_FD | Maternal risk factors - If previous cesarean, how many? | Count  99=Unknown 88 = Not applicable Blank=N/A (MF Record) | Num |
| MATRISK\_DIABETES\_G\_FD | Maternal risk factors -Gestational diabetes | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| MATRISK\_DIABETES\_P\_FD | Maternal risk factors -Diabetes, prepregnancy | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| MATRISK\_HYPER\_E\_FD | Maternal risk factors -Hypertension, eclampsia | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| MATRISK\_HYPER\_G\_FD | Maternal risk factors -Hypertension, gestational | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| MATRISK\_HYPER\_P\_FD | Maternal risk factors -Hypertension, prepregnancy | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| MATRISK\_NONE\_FD | Risk Factors-None of the above | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| MATRISK\_PREV\_PRETERM\_FD | Maternal Risk Factors - Previous preterm birth | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| MOTHER\_AGE\_FD | Mother Calculated Age | Age in years | Num |
| MOTHER\_EDU\_FD | Highest level of maternal education | 1=No HS degree  2=HS degree or GED  3=Associate or Bachelor degree  4=Post graduate  5=Other  8=Refused  9=Unknown/Unobtainable | Num |
| MOTHER\_HEIGHT\_FD | Mother's Height (ft) | 1-8 9=Unknown Blank=N/A (MF Record) | Num |
| MOTHER\_HEIGHT\_IN\_FD | Mother's Height (in) | 00-11 99=Unknown Blank=N/A (MF Record) | Num |
| MOTHER\_RACE\_FD | Single race/Hispanic ethnicity for MOTHER | 1 = White non-Hispanic 2 = Black non-Hispanic 3 = Asian/PI non-Hispanic 4 = Hispanic 5 = American Indian or Other  9 = Unknown | Num |
| MOTHER\_TRANSFER | Was mother transferred for maternal medical or fetal indications for delivery? | 0=No 1=Yes 9=Missing | Num |
| MOTHER\_WEIGHT\_NOW\_FD | Mother's Weight at Delivery | Weight in pounds Blank=N/A (MF Record) | Num |
| MOTHER\_WEIGHT\_PRIOR\_FD | Mother's Prepregnancy Weight | Weight in pounds Blank=N/A (MF Record) | Num |
| NAICS\_FD | North American Industry Classification System | 6 digit North American Industry code | Char |
| NAICS\_YEAR\_FD | Coding year for NAICS | 4 digit year | Num |
| OSCC\_ABRUPTIO | Other Significant Causes or Conditions: Abruptio placenta | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| OSCC\_CHOR | Other Significant Causes or Conditions: Chorioamnionitis | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| OSCC\_CORD | Other Significant Causes or Conditions: Prolapsed Cord | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| OSCC\_FETAL\_ANOM | Other Significant Causes or Conditions: Fetal Anomaly | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| OSCC\_FETAL\_CONDITION | Other Significant Causes or Conditions: Other Fetal Conditions/Disorders | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| OSCC\_FETAL\_INFECT | Other Significant Causes or Conditions: Fetal Infection | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| OSCC\_FETAL\_INJ | Other Significant Causes or Conditions: Fetal Injury | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| OSCC\_MATERNAL\_CONDITION | Other Significant Causes or Conditions: Maternal Conditions/Diseases | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| OSCC\_OTHER | Other Significant Causes or Conditions: Other | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| OSCC\_OTHER\_COMPLICATION | Other Significant Causes or Conditions: Other Obstetrical or Pregnancy Complications | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| OSCC\_OTHER\_SP | Other Significant Causes or Conditions: Other Specify | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| OSCC\_PLAC\_INSUFF | Other Significant Causes or Conditions: Placental insufficiency | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| OSCC\_RUPTURE\_PRIOR\_LABOR | Other Significant Causes or Conditions: Rupture of membranes prior to onset of labor | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| OSCC\_UNK | Other Significant Causes or Conditions: Unknown | 0=No 1=Yes 9=Unknown Blank=N/A (MF Record) | Num |
| OTHER\_OUTCOME\_NUM\_FD | Number of other pregnancy outcomes | Count 99=Unknown  Blank=N/A (MF Record) | Num |
| PLACE\_FD | Type of place where fetal death occurred | 1=Inpatient 2=Emergency room 3=Dead on arrival 5=Residence 6=Other  Blank = N/A (VIP record) (2015 and later) | Num |
| PLURALITY\_FD | Plurality | 1=Single 2=Twin 3=Triplet + 9=Unknown | Num |
| PRENATAL\_CARE\_COUNT\_FD | Total # of prenatal care visits | Integer 99=Unknown | Num |
| PRENATAL\_PAY\_FD | PNC Insurance | 1=Public 2=Private  3=Other 9=Unknown  Blank = N/A (MF record) (2011-2014) | Num |
| PREVIOUS\_LIVE\_DEAD\_FD | # of previous live births: now dead | Integer 99=Unknown | Num |
| PREVIOUS\_LIVE\_LIVING\_FD | # of previous live births: now living | Integer 99=Unknown | Num |
| REF\_ME\_FD | Was case referred to ME? | 0=No 1=Yes  9=Missing | Num |
| RES\_CODE\_FD | Residence of Mother: City | 1-351 = valid MA city/town 999 = missing/unknown/invalid | Num |
| RES\_ZIP\_FD | Residence of Mother: Zip Code | 5 digit zip code 99999=Unknown | Char |
| SEX\_FD | Sex | 1=Male 2=Female 9=Unknown or undetermined | Num |
| SOC\_FD | SOC code | XX-XXXX | Char |
| UC01\_FD | immediate cause of death | Valid ICD-10 code | Char |
| UC02\_FD | other cause of death 1 | Valid ICD-10 code | Char |
| UC03\_FD | other cause of death 2 | Valid ICD-10 code | Char |
| UC04\_FD | other cause of death 3 | Valid ICD-10 code | Char |
| UC05\_FD | other cause of death 4 | Valid ICD-10 code | Char |
| UC06\_FD | other cause of death 5 | Valid ICD-10 code  Note that MF only includes 4 other causes | Char |
| UC07\_FD | other cause of death 6 | Valid ICD-10 code  Note that MF only includes 4 other causes | Char |
| UC08\_FD | other cause of death 7 | Valid ICD-10 code  Note that MF only includes 4 other causes | Char |
| WIC\_FD | Did mother get WIC food? | 0=No 1=Yes 9=Unknown/refused Blank=N/A (MF Record) | Num |

Note: MF Record- mainframe record

# House of Correction (PHDHOC.HOC)

| **Variable Name** | **Variable Description** | **Meta Data** | **Format** |
| --- | --- | --- | --- |
| ID | Project Specific ID | 9 character alphanumeric ID | Char |
| Match\_level\_HOC | CHIA Match level | 1= These are CHIA members that received a high score against the DPH input record. This group includes those that matched all elements of the DPH input record and those that had only one element mismatch. The group 1 individual match determination has been optimized based upon the input elements and their overall weight.  2= This group contains members within the APCD that received a lower score against the DPH input record yet are considered *possible* matches. Candidates in this group could match on as little as SSN or date of birth and zip code. These candidates are included for completeness | Num |
| AGE\_HOC | Age in years at time of release | Age in years  Note: if missing, calculated age was not possible or birthdate was missing | Num |
| SEX\_HOC | Sex | 1=Male  2=Female  9=Other or unknown | Num |
| RES\_ZIP\_HOC | Zip code of most recent residence | 5 digit zip code  99999=Unknown | Char |
| ADMIT\_DATE\_HOC | Admission date for this incarceration | Date Proxy: Count of days between admission date and a random date in the past  **NOTE: The larger the date proxy, the more recently the event occurred** | Num |
| RELEASE\_DATE\_HOC | Release date | Date Proxy: Count of days between release date and a random date in the past  **NOTE: The larger the date proxy, the more recently the event occurred** | Num |
| COUNTY\_HOC | County | 1=Barnstable  2=Berkshire  3=Bristol  4=Dukes  5=Essex  6=Franklin  7=Hampden  8=Hampshire  9=Middlesex  10=Norfolk  11=Plymouth  12=Suffolk  13=Worcester | Num |
| ADJ\_STATUS\_HOC | Adjudication status | 1=Pre-trial  2=Sentenced  3=Safekeep  4= Civil commit  5= Federal hold  Note: If missing, adjudication status was unknown | Num |
| RACE\_HOC | Race/Hispanic Ethnicity | 1 = White non-Hispanic  2 = Black non-Hispanic  3 = Asian/PI non-Hispanic  4 = Hispanic  5 = American Indian or Other  9 = Unknown | Num |
| ADMIT\_YEAR\_HOC | Year of admission for this incarceration | Years, YYYY format | Num |
| ADMIT\_MONTH\_HOC | Month of admission for this incarceration | Months, 1-12 | Num |
| RELEASE\_YEAR\_HOC | Year of release for this incarceration | Years, YYYY format | Num |
| RELEASE\_MONTH\_HOC | Month of release for this incarceration | Months, 1-12 | Num |
| DOC\_flag | Flag for hold for Department of Corrections | 1= yes | num |
| Weekender\_HOC | Flag for inmates with “weekender” designation i.e., they are only incarcerated on weekends (used for low level crimes) | 1= yes | num |

# OEND File (PHDZIP.OEND)

| **Variable Name** | **Variable Description** | **Meta Data** | **Format** |
| --- | --- | --- | --- |
| Age\_enrollment\_OEND | Age at enrollment.  Demographic information (including user status and residence zip-code) will be missing for refill forms or rescue forms where a corresponding enrollment form for the same person could not be found.  NOTE: There have been multiple changes to OEND data collection (systems, collection forms, and individual questions) since the pilot started in 2007. The largest change to collection occurred in 2018 with the transition from paper teleforms to REDCap, which created a multitude of additional steps for volunteers to enter data as well as enabling ‘required’ survey questions that were previously not required to complete a form. Since the implementation to electronic capture, we have seen an overall increase in missing data and implausible values to a degree that is not present in prior years. For this reason, the data has been harmonized to pre-2018 distributions for age to ensure consistency and accuracy. | In years, max age is 95  999=missing/unknown | Num |
| City\_Rescue\_OEND | If zip-code of rescue location is unknown: city of rescue  Information about rescues are only filled in for rescue reports | 1-351 999= missing/unknown/invalid/ Not applicable | Num |
| Doses\_Distributed\_OEND | # of doses distributed  If doses distributed is greater than 10, this is considered secondary distribution, and the variables Races\_all\_OEND Hispanic\_OEND, and Sex\_OEND are all set to missing. (It is assumed they will not use the narcan themselves, but will pass it along to others).  Extreme outliers were set to missing for doses distributed. | 999= missing/unknown/invalid/ Not applicable | Num |
| Encounter\_Type\_OEND | Encounter Type | 1=Enrollment 2=Non-rescue refill 3=Rescue Report | Num |
| Help\_OEND | Was help called and/or present? | 1=Yes 0=No 9=Unknown | Num |
| Location\_Zip\_OEND | Zip-code of distribution location **(only available 2018 and later)** | 5 digit zip 99999=Unknown | Char |
| Month\_Encounter\_OEND | Month of encounter | 1-12 | Num |
| Month\_Enrollment\_OEND | Month of enrollment | 1-12 | Num |
| Month\_Overdose\_OEND | Month of overdose | 1-12 | Num |
| ID\_OEND | Randomly generated individual ID (if a person has more than one encounter in the dataset, this ID will be the same for all encounters)  **Note:** As of March 21, 2023, OEND removed the unique identifier that allowed for linkage across forms, this no longer allows us to follow visits per individual.   * 1. For all encounters before 3/21/23 (if a person has more than one encounter in the dataset, this ID will be the same for all encounters).   2. After 3/21/23, this is unique to each form, but we are unable to tell if a person has visited before, meaning records after this date will not have the same ID if a person had more than one encounter. |  | Char |
| Race\_OEND | Mutually exclusive combined race/ethnicity  Demographic information (including user status and residence zip-code) will be missing for refill forms or rescue forms where a corresponding enrollment form for the same person could not be found. | 1 = White non-Hispanic  2 = Black non-Hispanic  3 = Asian/PI non-Hispanic  4 = Hispanic  5 = American Indian/Other       9 = Unknown | Num |
| Races\_all\_OEND | Individual race groups  Demographic information (including user status and residence zip-code) will be missing for refill forms or rescue forms where a corresponding enrollment form for the same person could not be found. | 1=American Indian 2=Asian 3=Black/African American 4=Hawaiian/Pacific Islander 5=White 6=Other Race 7=Multi-Racial  98=Refused 99=Unknown | Num |
| Hispanic\_OEND | Hispanic ethnicity  Demographic information (including user status and residence zip-code) will be missing for refill forms or rescue forms where a corresponding enrollment form for the same person could not be found. | 1=Yes 0=No 9=Unknown | Num |
| RES\_CODE\_OEND | Residence city/town  Demographic information (including user status and residence zip-code) will be missing for refill forms or rescue forms where a corresponding enrollment form for the same person could not be found. | 1-351 999= missing/unknown/invalid | Num |
| RES\_ZIP\_OEND | Residence zip-code  Demographic information (including user status and residence zip-code) will be missing for refill forms or rescue forms where a corresponding enrollment form for the same person could not be found. | 5 digit zip 99999=Unknown | Char |
| Rescue\_ZIP\_OEND | Zip-code where the rescue occurred.  Information about rescues are only filled in for rescue reports | 5 digit zip 99999=Unknown/ Not applicable | Char |
| Sex\_OEND | Sex  Demographic information (including user status and residence zip-code) will be missing for refill forms or rescue forms where a corresponding enrollment form for the same person could not be found. | 1=Female 2=Male 3=Other 9=Unknown/refused | Num |
| Successful\_Rescue\_OEND | Successful rescue? (Did the person live?)  Information about rescues are only filled in for rescue reports | 1=Yes 0=No 9=Unknown/Not applicable | Num |
| User\_Status\_OEND | User Status  Demographic information (including user status and residence zip-code) will be missing for refill forms or rescue forms where a corresponding enrollment form for the same person could not be found. | 1=User 2=Non-User 3=No Enrollment information | Num |
| Year\_Encounter\_OEND | Year of encounter | YYYY | Num |
| Year\_Enrollment\_OEND | Year of enrollment | YYYY | Num |
| Year\_Overdose\_OEND | Year of overdose | YYYY | Num |

# Massachusetts Ambulance Trip Record Information System (PHDEMS.MATRIS)

| **Variable Name** | **Variable Description** | **Meta Data** | **Format** |
| --- | --- | --- | --- |
| ID | PHD ID | 9 character alphanumeric ID | Char |
| Match\_level\_MATRIS | CHIA Match level | 1= These are members within the APCD that received a high score against the DPH input record. Candidates in this group are those that perfectly matched all elements of the DPH input record and those that generally had only one element mismatch. The threshold applied to group 1 candidates has been optimized based upon the input elements and their overall weight in determining a unique individual match.  2= This group contains members within the APCD that received a lower score against the DPH input record yet are considered possible matches. Candidates in this group could match on as little as SSN or date of birth and first name. These candidates are included for completeness. | Num |
| age\_matris | The patient's age (either calculated from date of birth or best approximation) \*\*\*CHECK age\_units\_matris NOT ALWAYS IN YEARS\*\*\* | Integer (limited between 0-110 for years) | Num |
| age\_units\_matris | The units which the age is documented in (Hours, Days, Weeks, Months, Years) | 1=Minutes  2=Hours  3=Days  4=Weeks 5=Months  6=Years 9=Unknown Age Units | Num |
| Chief\_Complaint1- Chief\_Complaint5 | The statement of the problem by the patient or the history provider in one or two words | free text | char |
| dest\_type\_matris | The type of destination the patient was delivered or transferred to | 1=Home 2=Hospital 3=Medical Office/Clinic 4=Morgue 5=Nursing Home 6=Hospice 7=Other 8=Other EMS Responder (air) 9=Other EMS Responder (ground) 10=Police/Jail 99=Not Applicable, Not Available, Not Known, Not Recorded, Not Reporting, Not Transported | Num |
| drug\_use\_matris1- drug\_use\_matris5 | Indicators for the potential use of Alcohol or Drugs by the patient.  Patients can have more than one value, only one value per variable | \*Please note – “drug use” can be any type of drug – it is NOT limited to opioids and we do not recommend using this variable as an indicator of Opioid Use\*  1= No Apparent Alcohol/Drug Use 2=Patient Admits to Alcohol Use  3=Smell of Alcoholic Beverage on Breath/About Person 4=Patient Admits to Drug Use  5=Alcohol and/or Drug Paraphernalia at Scene 6=Patient Denies Alcohol/Drug Use  7=Patient refuses drug or alcohol test  8= Positive Level (of drug or alcohol) known from Law Enforcement or Hospital Record  9=Not Applicable, Not Available, Not Known, Not Recorded, Not Reporting  (Blank) = EMS did not record any value | Num |
| EMS\_service | The state-assigned provider Number of the responding agency | 4 digit code | Num |
| fentanyl\_ems | fentanyl given by EMS | 1=Yes 0=No | Num |
| heroin\_ORI\_matris | Heroin-related EMS event?  (please note that these are a subset of all opioid-related EMS events, i.e. where OPIOID\_ORI\_MATRIS = 1) | \*\*\*PLEASE NOTE THESE ARE NOT NECESSARILY OVERDOSES – this just means heroin was involved and EMS responded\*\*\*  1=Yes 0=No | Num |
| homeless\_matris | Indication the patient is homeless | 0=No indication of homeless 1=Homeless based on address match only  2=Homeless based on narrative only  3=Homeless based on both address and narrative | Num |
| inc\_code\_matris | The city or township (if applicable) where the patient was found or to which the unit responded (or best approximation) | 1-351 = valid MA city/town 999 = missing/unknown/invalid | Num |
| inc\_date\_matris | Incident date | Date Proxy – count of days between incident date and randomly chosen date in the past  **NOTE: The larger the date proxy, the more recently the event occurred** | Num |
| inc\_loc\_type\_matris | The kind of location where the incident happened | 1=Airport 2=Farm 3=Health Care Facility (clinic, hospital  4=Home/Residence 5=Industrial Place and Premises 6=Lake, River, Ocean 7=Mine or Quarry 8=Other Location 9=Place of Recreation or Sport 10=Public Building (schools, gov, offices) 11=Residential Institution (nursing home, jail/prison 12=Street or Highway 13=Trade or Service (Business, bars, restaurants, etc 14=Unspecified place 99=Not Applicable, Not Available, Not Known, Not Recorded, Not Reporting, Missing | Num |
| inc\_month\_matris | Month the incident occurred | Months, 1-12 | Num |
| inc\_year\_matris | Year the incident occurred | Years, YYYY format (starts 2013) | Num |
| inc\_zip\_matris | The ZIP code of the incident location | 5 digit zip 99999=Unknown | char |
| incarcerated\_matris | Was there an indication that the person was incarcerated? | 0=No indication of incarceration 1=Incarcerated based on address match only  2=Incarcerated based on narrative only  3=Incarcerated based on both address and narrative | Num |
| morphine\_ems | Was morphine given by EMS? | 0=No 1=Yes | Num |
| narcan\_matris | Final flag for incident involving naloxone administration in either the medication administered, prior aid, or narrative report fields | 1=Yes 0=No | Num |
| narcan\_prior\_aid | Final flag that naloxone was administered prior to EMS arrival | 1=Yes 0=No | Num |
| opioid\_ORI\_matris | Opioid-related EMS incident?  Please refer to full documentation titled “V2 Data: Case Definitions for Opioid-Related Incidents in MATRIS” and “V3 Data: Case Definitions for Opioid-Related Incidents in MATRIS” below | \*\*\*PLEASE NOTE THESE ARE NOT NECESSARILY OVERDOSES – this just means an opioid was involved and EMS responded\*\*\*  \*\*\*To identify only Opioid overdoses, use opioid\_ORIsubcat\_matris  =2\*\*\*  1=Yes 0=No | Num |
| opioid\_ORIsubcat\_matris | Severity grouping of opioid-related EMS incident. Please refer to full documentation titled - “EMS Opioid Incidents Categorization” below  When opioid\_ORI\_matris=1 THEN OPIOID\_ORISUBCAT\_MATRIS will be between 1-5 | 0=(variable opioid\_ori\_matris=0)  1=DOA of opioid 2=acute overdose 3=opioid intoxicated 4=opioid withdrawal 5=opioid implicated | Num |
| otc\_pain\_ems | Was acetaminophen or ibuprofen (advil, motrin) given by EMS? | 0=No 1=Yes | Num |
| Payment\_Type\_MATRIS | The primary method of payment or type of insurance associated with this EMS encounter | 1=Insurance 2=Medicaid 3=Medicare 4=Other Government 5=Self Pay 6=Workers Comp 7=Not Billed 8=Not Applicable 9=Unknown | Num |
| Primary\_Impression | The EMS personnel’s impression of the patient’s primary problem or most significant condition which led to the management given to the patient (treatments, medications, or procedures). | Text field. See [appendix](#_Primary_Impression) for list of text values. Also can contain ICD 10 codes, which are not included in the appendix list. The ICD 10 codes do not contain decimals. | char |
| pt\_disp\_matris | Type of disposition treatment and/or transport of the patient. | 1=No Treatment Required 2=Obvious Signs of Death 3=Patient Refused Care 4=Treated and Released 5=Treated, Transferred Care 6=Treated, Transported by EMS 7=Treated, Transported by Law Enforcement 8=Treated, Transported by Private Vehicle 9=Not Applicable or missing | Num |
| race\_matris | The race/ethnicity of the patient | 1 = White non-Hispanic 2 = Black non-Hispanic 3 = Asian/PI non-Hispanic 4 = Hispanic 5 = American Indian or Other  9 = Unknown/missing | Num |
| res\_code\_matris | The patient's home city or township or residence | 1-351 = valid MA city/town 999 = missing/unknown/invalid | Num |
| res\_zip\_matris | The patient's home ZIP code of residence | 5 digit zip 99999=Unknown | char |
| rx\_nsaid\_ems | Was Ketorolac (toradol) given by EMS? | 0=No 1=Yes | Num |
| Second\_Complaint1- Second\_Complaint12 | Additional statement(s) of the problem by the patient or the history provider in one or two words | Free text | char |
| Second\_Impression1- Second\_Impression41 | The EMS personnel’s impression of the patient’s secondary problem or which led to the management given to patient (treatments, medications, or procedures). | Text field. See [appendix](#_Secondary_Impression) for list of text values. Also can contain ICD 10 codes, which are not included in the appendix list. The ICD 10 codes do not contain decimals. | char |
| STIMULANT1\_MATRIS | Does this run have any indication of stimulant use (illicit or legal)? | 0=No  1= Any Stimulant Use Indicator  (see full explanation of categories and definition in appendix below, these are Level 1) | Num |
| STIMULANT2\_MATRIS | Does this run have any indication of problematic stimulant use? | 0=No  1= Problematic Stimulant Use Indicator  (see full explanation of categories and definition in appendix below, these are Level 2) | Num |
| STIMULANT3\_MATRIS | Was this run for an acute stimulant-related event? | 0=No  1= Acute Stimulant-Related Event  (see full explanation of categories and definition in appendix below, these are Level 3) | Num |
| sex\_matris | Patient's gender | 1=Male 2=Female 9=Unknown | Num |
| type\_req\_matris | The type of service or category of service requested of the EMS service responding for this specific EMS incident. | 1=911 Response (Scene) 2=Flagdown/Walk-in 3=Intercept 4=Mutual Aid 5=Standby 9=Missing | Num |
| VA\_matris | Indication that the patient is a veteran | 0=No indication of VA use 1=Indication of VA use | Num |

## Primary\_Impression

## Secondary\_Impression

|  |
| --- |
| abdominal aortic aneurysm |
| abdominal pain/problems |
| acute abdomen |
| acute pain, not elsewhere classifie |
| airway obstruction |
| alcohol dependence with withdrawal, |
| alcohol use, unspecified |
| alcohol use, unspecified with intox |
| allergic reaction |
| altered level of consciousness |
| altered mental status |
| anaphylactic shock |
| aspiration pneumonia |
| asthma |
| back pain |
| back pain (non-traumatic) |
| behavioral / psychiatric disorder |
| behavioral/psychiatric disorder |
| bowel obstruction |
| cancer |
| cardiac arrest |
| cardiac arrhythmia/dysrhythmia |
| cardiac rhythm disturbance |
| chest pain |
| chest pain, other [non-cardiac] |
| chest pain/discomfort |
| chf (congestive heart failure) |
| chronic pain, not elsewhere classif |
| cocaine related disorders |
| common cold. |
| copd (emphysema/chronic bronchitis) |
| copd with exacerbation |
| dehydration |
| diabetes with hyperglycemia (1); or |
| diabetic hyperglycemia |
| diabetic symptoms (hypoglycemia) |
| diarrhea |
| electrocution |
| epistaxis (non-traumatic) |
| etoh abuse |
| evaluation request |
| exposure to excessive natural cold |
| febrile seizure |
| fever |
| flank pain |
| flu like symptoms |
| foreign body in digestive system, p |
| g.i. bleed |
| general malaise |
| generalized abdominal pain |
| hallucinogen related disorders |
| head bleed |
| headache |
| heat exhaustion/stroke |
| heroin overdose |
| hypertension |
| hyperthermia |
| hypotension |
| hypothermia |
| hypovolemia/shock |
| influenza, unspecified |
| inhalant related disorders |
| inhalation injury (toxic gas) |
| injury of ankle |
| injury of face |
| injury of finger |
| injury of foot |
| injury of forearm |
| injury of head |
| injury of knee |
| injury of lower back |
| injury of lower leg |
| injury of neck |
| injury of nose |
| injury of shoulder or upper arm |
| injury of thorax (upper chest) |
| laceration of arm |
| malaise |
| migraine |
| nausea/vomiting (unknown etiology) |
| near syncope |
| no apparent illness/injury |
| no patient complaint (adult) |
| no patient complaint (child) |
| non-specified sedative, hypnotic, o |
| not applicable |
| not available |
| not known |
| not recorded |
| not reporting |
| ob/delivery |
| obvious signs of death |
| opioid related disorders |
| other |
| other abdominal/gi problem |
| other cardiovascular problem |
| other cns problem |
| other endocrine/metabolic problem |
| other gu problems |
| other illness/injury |
| other ob/gyn |
| other reduced mobility |
| overdose of ecstasy |
| pain |
| paraplegia |
| patient assist only |
| pneumonia, unspecified |
| pneumothorax, traumatic |
| poisoning by cannabis derivatives/s |
| poisoning by cannabis inhaled/smoke |
| poisoning/drug ingestion |
| polysubstance overdose |
| pregnancy with contractions |
| pregnancy/ob delivery |
| psychoactive substance related diso |
| pulmonary edema, acute |
| pulmonary embolism |
| respiratory arrest |
| respiratory condition due to chemic |
| respiratory disorder, unspecified |
| respiratory distress |
| respiratory distress, acute |
| seizure |
| seizures with status epilepticus |
| seizures without status epilepticus |
| sepsis |
| septicemia (1); or sepsis (2) |
| sexual assault/rape |
| smoke inhalation |
| stings/venomous bites |
| stroke |
| stroke/cva |
| substance/drug abuse |
| sudden death non-viable |
| suicidal ideations |
| suicide attempt |
| syncope and collapse |
| syncope/fainting |
| tia (transient ischemic attack) |
| toxic exposure |
| traumatic injury |
| unconscious |
| unknown problem |
| unspecified infectious disease |
| vaginal hemorrhage |
| weakness |

**V2 Data: Case Definitions for Opioid-Related Incidents in MATRIS**

Suspected opioid-related EMS incidents (ORIs) were identified through a three stage process.

**Stage 1: Defining EMS incidents included**

Only EMS incidents meeting the following criteria were included in the analysis:

* In order to include only emergency responses and exclude incidents between health facilities, only EMS incidents involving 911 calls were included in the analysis.
* Remove transports where chief complaint is ‘dialysis’
* Remove transports where the incident state or incident county is not in Massachusetts

**Stage 2: Define EMS incidents that are not suspected opioid-related EMS incidents (ORIs)**

In order to reduce false positive, an EMS incident was not classified as an ORI if it met any of the following criteria:

* Do not classify as an ORI when the EMS transport is not related to an emergency but involves transporting a patient or a Section 12. (Note: These transports are listed incorrectly as 911 responses)
  + “section 12”, “sect 12”, or “sec 12” (narrative, chief complaint, secondary complaint, other complaint)
  + “transport only” (chief complaint, secondary complaint, other complaint)
* Do not classify as an ORI when EMS incident is primarily related to a traffic issue/crash.
  + “traffic” (chief complaint, secondary complaint, other complaint)
* Do not classify as an ORI when the EMS incident is responding to a suspected alcohol poisonings.
  + The words “poison” occurs AND either of the following two words are present “Alcohol” and “etoh” (chief complaint, secondary complaint, other complaint)
* Do not classify as an ORI if EMS administered fentanyl unless the incidents meets inclusion category 3 or 4.

**Stage 3: Prioritizing criteria**

* Criteria indicates which criteria is run first (i.e., cases are selected based on Criteria 1 and then cases not selected are examined using Criteria 2)

**Case Definition for Massachusetts EMS analysis (MATRIS)**

|  |  |
| --- | --- |
| **EMS Variable** | **Suspected Opioid Related Incident (ORI) – More Refined, May Differ by Service** |
| **DPH SAS Variable Names** | **dph\_opioid2** |
| Chief Complaint (CC)  **[E09.05]** | **Criteria 1:** Heroin, Herion, Opio, Opiat, Narcan, Nalox, Methadone, Opoid, Fentanyl, Phentanyl, or Fentynal |
| Secondary Complaint (SC)  **[E09.08]** | **Criteria 2:** Heroin, Herion, Opio, Opiat, Narcan, Nalox, Methadone, Opoid, Fentanyl, Phentanyl, or Fentynal |
| Narrative Report (NR)  **[E13.01]** | **Criteria 3:** Must find one word from **both** lists below.   * **List1:** Heroin, Herion * **List2:** Overdos, OD, O.D, O/D, Drug intox, over dos     **Criteria 9:** Must find one word from List1 **and** List2 and **no** words from List 3   * **List1:** Heroin, Herion * **List2:** inject, snort, sniff, ingest, took, consum, shot, shoot, smok, swallow, intranasal, done, doing, abusing, using, used * **List3**: deny, denies, denied * PLEASE NOTE - List3 is overridden if the patient had a positive response to naloxone, i.e. a person would not be excluded if they denied use but had a positive response to naloxone     **Criteria 10:** Must find one word from **both** lists below.   * **List1:** Heroin, Herion * **List2:** needle, syringe, hypodermic, paraphernalia     **Criteria 11:** Must find one word from List1 **and** List2 and **no** words from List 3   * **List1:** Heroin, Herion * **List2:** today, recent * **List3:** deny, denies, denied * PLEASE NOTE - List3 is overridden if the patient had a positive response to naloxone, i.e. a person would not be excluded if they denied use but had a positive response to naloxone     **Criteria 14:** Must find one word from **both** lists below.   * **List1:** Heroin, Herion * **List2:** admit, admission     **Criteria 15:** Must find one word from **both** lists below.   * **List1:** known ivda, known ivdu * **List2:** needle, syringe, hypodermic, paraphernalia     **Criteria 16:** Must find one word from **each of the three lists** below**.**   * **List1**: rigor, lividity, pulseless, nonviable * **List2**: syringe, hypodermic, paraphernalia * **List3:** heroin, herion, Overdos, OD, O.D, O/D, Over dos, Drug Intox |
| Administered Naloxone\* + NR  **[E18.03, E13.01, E09.01]**  **+**  **[E13.01]** | **Criteria 4:** Two conditions must be met:   * Naloxone administered\* **and** * NR contains: heroin, herion, Overdos, OD, O.D, O/D, Over dos, Drug Intox     **Criteria 12:** Two conditions must be met:   * Naloxone administered\* **and** * NR contains: methadone, methodone, opio, opiat, opoid, subox, sabox, fentanyl, phentanyl, fentynal, vicod, oxycod, oxycont, oxys, ms04, Percocet, percoset, hydromorph, pain meds, tramadol, codeine, dialaudid, dilaudid, morphine, speedball, speed ball   **\* Naloxone administration is counted if any of the following three fields indicated naloxone:**   1. Medication administered field 2. Prior aid field 3. NR contains: Narcan or Nalox |
| NR + CC  **[E13.01] +**  **[E09.05]** | **Criteria 5:**  Two conditions must be met:   * NR contains: Heroin or Herion, **and** * CC contains one of the following: alter, ams, overdose, over dose, drug abuse, drug use, drug ingestion, od, o.d, substance use, substance abuse, sick person, unresponsive, unconscious, man down, ingestion/poisoning, breathing problem, confusion, respiratory distress, respiratory arrest, iv drug, needle   **Criteria 8:** Two conditions must be met:   * NR contains: methadone, methodone, opio, opiat, subox, sabox, fentanyl, phentanyl, fentynal, vicod, oxycod, oxycont, oxys, ms04, Percocet, percoset, hydromorph, pain meds, tramadol, codeine, dialaudid, dilaudid, morphine, speedball, speed ball * CC or NR contains: Overdos, OD, O.D, O/D, Over dos   **Criteria 17:** Two conditions must be met:   * NR contains: needle, syringe, hypodermic, paraphernalia * CC contains: Overdos, OD, O.D, O/D, Over dos |
| Response to Naloxone + CC  **[E18.03 E18.07]**  **+**  **[E09.05]** | **Criteria 6** Two conditions must be met:   * Positive response to Naloxone was indicated **and** * CC contains one of the following: alter, ams, overdose, over dose, od, o/d, o.d, aloc, change in mental, unresponsive, unconscious, change in mental, change in responsiveness |
| NR+ Primary Impression (PI)  **[E13.01]**  **+**  **[E09.15]** | **Criteria 13** Two conditions must be met:   * NR contains: methadone, methodone, opio, opiat, subox, sabox, fentanyl, phentanyl, fentynal, vicod, oxycod, oxycont, oxys, ms04, Percocet, percoset, hydromorph, pain meds, tramadol, codeine, dialaudid, dilaudid, morphine, speedball, speed ball **and** * PI = “poisoning/drug ingestion” |
| NR + PI + CC  **[E13.01]**  **+**  **[E09.15]**  **+**  **[E09.05]** | **Criteria 7** Two conditions must be met:   * NR contains Narcan, Nalox **and** * CC contains: Overdos, OD, O.D, O/D, Over dos **or** * PI = poisoning/drug ingestion, obvious signs of death, or substance/drug abuse     **Criteria 18** Two conditions must be met:   * NR or CC or PI contains: cardiac, respiratory, cardioresp, arrest **and** * NR contains: syringe, hypodermic, paraphernalia |

**V3 Data: Case Definitions for Opioid-Related Incidents in MATRIS**

Suspected opioid-related EMS incidents (ORIs) were identified through a three stage process.

**Stage 1: Defining EMS incidents included**

Only EMS incidents meeting the following criteria were included in the analysis:

* In order to include only emergency responses and exclude incidents between health facilities, only EMS incidents involving 911 calls were included in the analysis.
* Remove transports where chief complaint is ‘dialysis’
* Remove transports where the incident state or incident county is not in Massachusetts

**Stage 2: Define EMS incidents that are not suspected opioid-related EMS incidents (ORIs)**

In order to reduce false positive, an EMS incident was not classified as an ORI if it met any of the following criteria:

* Do not classify as an ORI when the EMS transport is not related to an emergency but involves transporting a patient or a Section 12. (Note: These transports are listed incorrectly as 911 responses)
  + “section 12”, “sect 12”, or “sec 12” (narrative, chief complaint, secondary complaint, other complaint)
  + “transport only” (chief complaint, secondary complaint, other complaint)
* Do not classify as an ORI when EMS incident is primarily related to a traffic issue/crash.
  + “traffic” (chief complaint, secondary complaint, other complaint)
* Do not classify as an ORI when the EMS incident is responding to a suspected alcohol poisonings.
  + The words “poison” occurs AND either of the following two words are present “Alcohol” and “etoh” (chief complaint, secondary complaint, other complaint)
* Do not classify as an ORI if EMS administered fentanyl unless the incidents meets inclusion category 3 or 4.

**Stage 3: Prioritizing criteria**

* Criteria indicates which criteria is run first (i.e., cases are selected based on Criteria 1 and then cases not selected are examined using Criteria 2)

**Case Definition for Massachusetts EMS analysis (MATRIS)**

|  |  |
| --- | --- |
| **EMS Variable** | **Suspected Opioid Related Incident (ORI) – More Refined, May Differ by Service** |
| **DPH SAS Variable Names** | **dph\_opioid2** |
| Chief Complaint (CC)    **[eSituation.03, eSituation.04]** | **Criteria 1:** Heroin, Herion, Opio, Opiat, Narcan, Nalox, Methadone, Opoid, Fentanyl, Phentanyl, or Fentynal |
| Secondary Complaint (SC)    **[eSituation.03, eSituation.04]** | **Criteria 2:** Heroin, Herion, Opio, Opiat, Narcan, Nalox, Methadone, Opoid, Fentanyl, Phentanyl, or Fentynal |
| Narrative Report (NR)    **[eNarrative.01]** | **Criteria 3:** Must find one word from **both** lists below.   * **List1:** Heroin, Herion * **List2:** Overdos, OD, O.D, O/D, Drug intox, over dos     **Criteria 9:** Must find one word from List1 **and** List2 and **no** words from List 3   * **List1:** Heroin, Herion * **List2:** inject, snort, sniff, ingest, took, consum, shot, shoot, smok, swallow, intranasal, done, doing, abusing, using, used * **List3**: deny, denies, denied * PLEASE NOTE - List3 is overridden if the patient had a positive response to naloxone, i.e. a person would not be excluded if they denied use but had a positive response to naloxone     **Criteria 10:** Must find one word from **both** lists below.   * **List1:** Heroin, Herion * **List2:** needle, syringe, hypodermic, paraphernalia     **Criteria 11:** Must find one word from List1 **and** List2 and **no** words from List 3   * **List1:** Heroin, Herion * **List2:** today, recent * **List3:** deny, denies, denied * PLEASE NOTE - List3 is overridden if the patient had a positive response to naloxone, i.e. a person would not be excluded if they denied use but had a positive response to naloxone     **Criteria 14:** Must find one word from **both** lists below.   * **List1:** Heroin, Herion * **List2:** admit, admission     **Criteria 15:** Must find one word from **both** lists below.   * **List1:** known ivda, known ivdu * **List2:** needle, syringe, hypodermic, paraphernalia     **Criteria 16:** Must find one word from **each of the three** **lists** below.   * **List1:** rigor, lividity, pulseless, nonviable * **List2:** syringe, hypodermic, paraphernalia * **List3:** heroin, herion, Overdos, OD, O.D, O/D, Over dos, Drug Intox |
| Administered Naloxone\* + NR    **[eMedications.03, eNarrative.01, eMedications.02]**  **+**  **[eNarrative.01]** | **Criteria 4:** Two conditions must be met:   * Naloxone administered\* **and** * NR contains: heroin, herion, Overdos, OD, O.D, O/D, Over dos, Drug Intox     **Criteria 12:** Two conditions must be met:   * Naloxone administered\* **and** * NR contains: methadone, methodone, opio, opiat, opoid, subox, sabox, fentanyl, phentanyl, fentynal, vicod, oxycod, oxycont, oxys, ms04, Percocet, percoset, hydromorph, pain meds, tramadol, codeine, dialaudid, dilaudid, morphine, speedball, speed ball   **\* Naloxone administration is counted if any of the following three fields indicated naloxone:**   1. Medication administered field 2. Prior aid field 3. NR contains: Narcan or Nalox |
| NR + CC    **[eNarrative.01] +**  **[eSituation.03, eSituation.04]** | **Criteria 5:**  Two conditions must be met:   * NR contains: Heroin or Herion, **and** * CC contains one of the following: alter, ams, overdose, over dose, drug abuse, drug use, drug ingestion, od, o.d, substance use, substance abuse, sick person, unresponsive, unconscious, man down, ingestion/poisoning, breathing problem, confusion, respiratory distress, respiratory arrest, iv drug, needle   **or**   * NR contains either rescue breath or sternal rub * (both NR terms exclude on inhaler or asthma)   **Criteria 8:** Two conditions must be met:   * NR contains: methadone, methodone, opio, opiat, subox, sabox, fentanyl, phentanyl, fentynal, vicod, oxycod, oxycont, oxys, ms04, Percocet, percoset, hydromorph, pain meds, tramadol, codeine, dialaudid, dilaudid, morphine, speedball, speed ball * CC or NR contains: Overdos, OD, O.D, O/D, Over dos   **Criteria 17:** Two conditions must be met:   * NR contains: needle, syringe, hypodermic, paraphernalia * CC contains: Overdos, OD, O.D, O/D, Over dos |
| Response to Naloxone + CC    **[eMedications.03,**  **+eMedications.07]**  **+**  **[eSituation.03, eSituation.04]** | **Criteria 6** Two conditions must be met:   * Positive response to Naloxone was indicated **and** * CC contains one of the following: alter, ams, overdose, over dose, od, o/d, o.d, aloc, change in mental, unresponsive, unconscious, change in mental, change in responsiveness |
| NR+ Primary Impression/ Secondary Impression (PI/SI)    **[eNarrative.01]**  **+**  **[eSituation.11, eSituation.12]** | **Criteria 13** Two conditions must be met:   * NR contains: methadone, methodone, opio, opiat, subox, sabox, fentanyl, phentanyl, fentynal, vicod, oxycod, oxycont, oxys, ms04, Percocet, percoset, hydromorph, pain meds, tramadol, codeine, dialaudid, dilaudid, morphine, speedball, speed ball **and** * PI/SI = T40.1-T40.6, T40.X, T50.9, F11 *(ICD 10 codes for opioid poisoning/drug ingestion)* |
| NR + PI/SI + CC  **[eNarrative.01]**  **+**  **[eSituation.11, eSituation.12]**  **+**  **[eSituation.03, eSituation.04]** | **Criteria 7** Two conditions must be met:   * NR contains Narcan, Nalox **and** * CC contains: Overdos, OD, O.D, O/D, Over dos **or** * PI/SI = T40.1-T40.6, T40.X, T50.9, F11 *(ICD 10 codes for opioid poisoning/drug ingestion, or substance/drug abuse)*, R99 *(ICD 10 code for obvious signs of death)*     **Criteria 18** Two conditions must be met:   * NR or CC contains: cardiac, respiratory, cardioresp, arrest OR PI/SI contains I21, I46, I47, I49, I50, J95, J96, J98, J80, R06, R09, R57 *(ICD 10 codes for cardiac, respiratory, and cardioresp conditions)* **and** * NR contains: syringe, hypodermic, paraphernalia |

**EMS Opioid Incidents Categorization**

Documentation reviewing the 5 buckets of Opioid-Involved EMS cases in MATRIS that DPH currently tracks and reports on. Last update Sept 18, 2019

Please note – buckets are filled in a cascade. Once a case is filtered into a bucket (which are searched for in the order presented below) it is not re-examined for another bucket EXCEPT for Acute ODs that are only found by a positive response to naloxone – those can be re-categorized to Intoxicated or Withdrawal depending on symptom presentation

1. DOA Bucket
   1. Covers opioid overdoses in which the patient is declared dead on arrival, dies before transport, or where resuscitative efforts are terminated (because the patient is non-viable)
   2. It is important to note that BLS can only declare death when there are obvious signs (such as rigor mortis or dependent lividity) or conditions inconsistent with life, so they may transport patients who would otherwise have been declared dead by another care provider (i.e. transport to a hospital does not mean the patient is still alive)
   3. Search terms:

PT\_DISPOSITION=2 (this means the patient is DOA)

OR

|  |
| --- |
| **Narrative report contains one of the following**  **And patient cannot have a destination\_type of “Hospital”** |
| Doa, d.o.a, dead on arrival |
| Time of death, determination of death, time of declaration |
| deceased |
| order(s) for (field) termination, permission to stop effort, cessation of resuscitation |
| Obvious signs of death, obvious death |
| Nonviable, non viable, non-viable |
| Medical examiner |

OR

|  |  |
| --- | --- |
| **Narrative report contains one from Column A and one from Column B:**  **And patient cannot have a destination\_type of “Hospital”.** | |
| **Column A** | **Column B** |
| cardiac arrest, no pulse, pulse less, pulseless, asystole, asystolic | Dead (excludes ‘dead end’) |
| cold to (the) touch | Death (excludes ‘risk(s) of refusal’, ‘refusal obtain’) |
| Apneic, apneic |  |
| mottl, rigor, mortis, livid (excludes ‘no mottl’, ‘no rigor’, ‘no mortis’, ‘no livid’) |  |

1. Acute Overdose Bucket
   1. Covers acute opioid overdoses, which are defined as opioid overdoses in which the patient would not likely survive on their own without intervention (whether bystander or EMS intervention).
      1. Please note - Acute Overdoses do not necessarily survive even with intervention, and transport to hospital does not mean the patient is still alive
   2. Symptoms can include respiratory failure, loss of consciousness, blue/pale/cold skin, and cardiac failure
   3. Search terms:

If the patient gets naloxone from the EMS and has a positive improvement (please note, if this is the only identifying feature for Acute OD that is found for the patient then the patient would be regrouped to Intoxicated or Withdrawal if it meets those search terms)

OR

If the patient has opioid intoxication symptoms (outlined in section 3) and had naloxone administered by prior aid

OR

|  |  |
| --- | --- |
| **Narrative contains one of the following inclusion terms (and none of its corresponding exclusion terms)** | |
| **Inclusion terms** | **Exclusion terms** |
| cardiac arrest | no cardiac arrest, not in cardiac arrest |
| no pulse, pulse less, pulseless, asystole, asystolic | not pulse less, not pulseless, not asystolic |
| apenic, apneic, agonal, aganol | not apenic, not apneic, not agonal, not aganol |
| respiratory arrest | not in respiratory arrest, no respiratory arrest |
| not breathing |  |
| cyanotic, cyanosis, cynotic | not cyanotic, no cyanosis, not cynotic |
| aed | no aed, items brought on scene, items brought o/s |
| cpr, chest compression | no cpr, no chest compression |
| intubation | no intubation, did not require intubation |
| Bagging, bagged | no bagging, did not require bagging, not bagged |
| mouth to mouth, mouth-to-mouth | no mouth to mouth, did not require mouth to mouth, no mouth-to-mouth, did not require mouth-to-mouth |
| uncons AND (nalox OR narcan) | not uncons |
| unrespons AND (nalox OR narcan) | not go unrespons, not unrespons |
| pea | no pea, not in pea |
| rescue breath |  |
| [respiratory rate OR rr] [is OR was] 1-7 |  |
| Bvm, opa |  |
| GCS 3, GCS=3, GCS = 3, GCS of 3, GCS is 3, GCS was 3 |  |
| Epinephrine, epi | Epi-pen, epi pen, hives, allerg, Benadryl, asthma, injection pen, epi gastric |

1. Opioid Intoxicated Bucket
   1. Patients who are on opioids and displaying symptoms including bradycardia, hypothermia, sedation, pinpoint pupils, slurred speech, and head nodding
      1. Intoxication is distinguished from acute overdose in that patients are likely to survive even without intervention
   2. Will override acute OD cases that were only selected because of positive response to naloxone and regroup them to intoxicated if the search terms are met
   3. Search terms:

|  |  |
| --- | --- |
| **Narrative contains one of the following inclusion terms (and none of its corresponding exclusion terms)** | |
| **Inclusion terms** | **Exclusion terms** |
| nodding, on the nod, nod off, nodded off |  |
| Somnolent, somulent, somulant, somnolence |  |
| [slurr OR garbl OR incomprehens OR unintelligi] AND [speech, speach, word, talk] | - slurring of speech, no slurring of speech, no slurred speech, without slurred |
| incoherent, not coherent |  |
| small pupil |  |
| pupil AND [pinpoint, pin-point, pin point, constricted] | not pinpoint, not pin-point, not pin point, not constricted |
| miosis | neg miosis, no miosis, - miosis |
| semi cons, semicons, semi-cons, semi awake, semiawake, semi-awake |  |
| sternal rub |  |
| letharg, grogg |  |
| drows | not drows, non-drows, nondrows, non drows |
| hypoxic, hypoxia | no signs of hypoxia, not hypoxic, no hypoxia, neg hypoxia, hypoxic brain injur |
| uncons | not uncons |
| unrespons, nonrespons, non-respons, non respons, not respons | not go unrespons, not unrespons |
| arousable |  |
| hypotension, hypotensive | no hypotension, neg hypotension, negative hypotension, not hypotensive |
| loss of alert | no loss of alert |
| confused | not confused, tbi, brain injur |
| black out, pass out, passed out | drunk |
| decreased respiratory | no decreased respiratory |
| verbal stimu, painful stimu |  |
| slugg |  |
| decreased respiratory | no decreased respiratory |
| not breath | allerg |
| shallow AND breath | No shallow breath |
| npa |  |
| Naltrexone AND [chill, tremor, vomit, nausea, sweat, shake, OR seizure] |  |
| GCS 4-9, GCS=4-9, GCS =4-9, GCS of 4-9, GCS is 4-9, GCS was 4-9 |  |

1. Opioid Detox Bucket
   1. Patients in the opioid detox bucket include those who intentionally or unintentionally are experiencing symptoms of opioid withdrawal
   2. These symptoms include tachycardia, tachypnea, chills, tremors, vomiting, nausea, sweating, shaking, hypertension, and anxiety.
   3. This will override acute ODs only found by naloxone improvement or cases of opioid intoxication and regroup them to detox if the search terms are met
   4. Search terms

|  |  |
| --- | --- |
| **Chief Complaint or Secondary Complaint contains one of the following inclusion terms (and none of its corresponding exclusion terms)** | |
| **Inclusion terms** | **Exclusion terms** |
| Detox, withdraw | Alcohol, etoh |

OR

|  |  |
| --- | --- |
| **Narrative contains one of the following inclusion terms (and none of its corresponding exclusion terms)** | |
| **Inclusion terms** | **Exclusion terms** |
| withdraw |  |
| tachyp | Not tachyp, no tachyp |

1. Opioid Implicated Bucket
   1. This remaining bucket covers all other EMS calls in which opioids were involved but they do not fall into one of the above categories.
   2. Some examples of the most common types of calls that are in this bucket include:
      1. Suicide attempts in which opioids are used
      2. Calls where patient symptoms involve multiple or unknown drug mixes
      3. Mental health-related calls where substance use is a comorbidity

**Case Definitions for Suspected Stimulant-Related Incidents in MATRIS**

Suspected stimulant-related EMS incidents (SRIs) were identified through a three-stage process.

**Stage 1: Defining EMS incidents included.**

Only EMS incidents meeting the following criteria were included in the analysis:

* In order to include only emergency responses and exclude incidents between health facilities, only EMS incidents involving 911 calls were included in the analysis.
* Remove transports where chief complaint is ‘dialysis’.
* Remove transports where the incident state or incident county is not in Massachusetts.

**Stage 2: Define EMS incidents that are not suspected stimulant-related EMS incidents (SRIs)**

In order to reduce false positives, an EMS incident was not classified as an SRI if it met any of the following criteria:

* Do not classify as an SRI when the EMS transport is not related to an emergency but involves transporting a patient or a Section 12. (Note: These transports are listed incorrectly as 911 responses)
  + “section 12”, “sect 12”, or “sec 12” (narrative, chief complaint, secondary complaint, other complaint)
  + “transport only” (chief complaint, secondary complaint, other complaint)
* Do not review events for Levels 2 or 3 in patients younger than 15 as the degree of misclassification is too high

**Stage 3: Determine Level**

* Level indicates which category the run falls in – definitions for each level are provided below. Runs can meet the criteria of and be counted it multiple levels.
* All Criteria hold the same weight, they are separated for coding and search purposed only.

**Case Definition for Massachusetts EMS analysis (MATRIS) - Suspected Stimulant-Related Incident (SRI)**

|  |  |
| --- | --- |
| **NEMSIS Variable(s)** | **LEVEL 1 - (any stimulant use indicator)**  **Defined as 1) EMS incidents in which there is an acute stimulant related issue (e.g., withdrawal, intoxication) from either prescribed or illicit stimulants, unintentional or intentional OR 2) EMS responds to a person with a history of stimulant misuse or use disorder, OR 3) EMS responds to a person with a known current or previous prescription for stimulants** |
| Any Complaint  **[E09.05, E09.08, eSituation.03, eSituation.04]**  *Or*  Narrative Report (NR)  **[E13.01,** **eNarrative.01]** | **Criteria 1:**  Inclusion terms: stimulant, cocaine, cocain, coaine, coke, amphet, cacaine  Exclusion terms: not stimulant, no stimulant, denies stimulant, denied stimulant, denies any stimulant, denied any stimulant, denies cocaine, denied cocaine, denies any cocaine, denied any cocaine, not cocaine, no cocaine, not coke, no coke, diet coke, rum and coke, jack and coke, bottle of, can of, glass of, cup of, denies amphet, denied amphet, denies any amphet, denied any amphet, not amphet, no amphet, coke cola, coke plant, over the counter, over-the-counter, vanilla coke, drink of  **Criteria 2:**  Inclusion terms: meth  Exclusion terms: denies meth, denied meth, denies any meth, denied any meth, meth mile, [oiam]meth, meth[aieou], amethia, methotr, methanol, indometh, betameth, dexameth, methocarb, prometh, not meth, no meth, Dextromethorphan, sulfameth, simethic, methado, methodo, something, samething, Methuen, metheun, method, methyl  **Criteria 3:**  Inclusion terms: Speedball, speed ball, smoked crack, smoke crack, smoking crack, smokes crack, use crack, on crack, used crack, crack pipe, took upper, under the influence of upper  Exclusion terms: crackle  **Criteria 4:**  Inclusion terms: Adderall, addarall, adderol, dextroamph, methylph, Dexedrine, Ritalin, Concerta, Strattera, atomoxetine, Vyvanse, focalin, methylin, procentra, zenzedi, evekeo, metadate, adzenys, aptensio, cotempla, daytrana, dyanavel, mydayis, quillichew, quillivant, lisdex  **Criteria 5:**  Inclusion terms: MDMA, bath salt, Cathinone, ecstasy, ecstacy, molly  Exclusion terms: rn molly, molly rn |
| Any Impression **[E09.15, E09.16,** **eSituation.11, eSituation.12]** | **Criteria 6:**  Inclusion terms: cocaine related, F14.10, F14.11, F14.20, F14.21, F15.10, F15.11, F15.20, F15.21, F16 |

|  |  |
| --- | --- |
| **NEMSIS Variable(s)** | **LEVEL 2 (problematic stimulant use indicator)**  **Defined as 1) EMS incidents in which there is an acute stimulant related issue (e.g., withdrawal, intoxication) from an illicit stimulant or misuse of prescription stimulants OR 2) EMS responds to a person with a history of stimulant misuse or use disorder.** |
| Any Complaint  **[E09.05, E09.08, eSituation.03, eSituation.04]**  *Or*  Narrative Report (NR)  **[E13.01,** **eNarrative.01]** | **Criteria 1:**  Inclusion terms: stimulant, cocaine, cocain, coaine, coke, amphet, cacaine  Exclusion terms: not stimulant, no stimulant, denies stimulant, denied stimulant, denies any stimulant, denied any stimulant, denies cocaine, denied cocaine, denies any cocaine, denied any cocaine, not cocaine, no cocaine, not coke, no coke, diet coke, rum and coke, jack and coke, bottle of, can of, glass of, cup of, denies amphet, denied amphet, denies any amphet, denied any amphet, not amphet, no amphet, coke cola, coke plant, over the counter, over-the-counter, vanilla coke, drink of  **Criteria 2:**  Inclusion terms: meth  Exclusion terms: denies meth, denied meth, denies any meth, denied any meth, meth mile, [oiam]meth, meth[aieou], amethia, methotr, methanol, indometh, betameth, dexameth, methocarb, prometh, not meth, no meth, Dextromethorphan, sulfameth, simethic, methado, methodo, something, samething, Methuen, metheun, method, methyl  **Criteria 3:**  Inclusion terms: Speedball, speed ball, smoked crack, smoke crack, smoking crack, smokes crack, use crack, on crack, used crack, crack pipe, took upper, under the influence of upper  Exclusion terms: crackle  **Criteria 4:**  Inclusion terms: MDMA, bath salt, Cathinone, ecstasy, ecstasy, molly  Exclusion terms: rn molly, molly rn  **Criteria 5:**  INCLUDES AT LEAST ONE TERM from list a: Adderall, addarall, adderol, dextroamph, methylph, Dexedrine, Ritalin, Concerta, Strattera, atomoxetine, Vyvanse, focalin, methylin, procentra, zenzedi, evekeo, metadate, adzenys, aptensio, cotempla, daytrana, dyanavel, mydayis, quillichew, quillivant, lisdex  AND ONE OF THE FOLLOWING TERMS from list b:   * Needle (excludes: seizure, g needle, needle decom, defer any needle, fear, needless, pins, kneed, needle exc, afraid, terri, no needle; also excludes diabe & insulin when they both occur together) * Syringe (excludes: seizure, needless, drawn into a syringe; also excludes diabe & insulin when they both occur together) * shot up * non prescr, non-prescr, not prescr * snort\* * inject (excludes: seizure, no inject, injection for anaphy; also excludes diabe & insulin when they both occur together) * crush (excludes: crush inj, crush soda) * misuse (excludes: not misuse, no miuse) * recreational (excludes: did not endorse any recreat, denies the use of recreat, does not participate in recreat, denies use of recreat, denies using any recreat, no signs of recreate, does not use recreat, not recreat, no recreat, denies any recreat, denie[sd] recreat)   AND NONE OF THE FOLLOWING TERMS from list c: adhd, as prescri, has a prescri, unrespons, uncons  \*(snort is the only term that does not consider the exclusion terms in list c – i.e. if your search term from list b is “snort” then the exclusion terms in list c are not searched)  **Criteria 6:**  INCLUDES AT LEAST ONE TERM from list a: Adderall, adderol, dextroamph, methylph, Dexedrine, Ritalin, Concerta, Strattera, atomoxetine, Vyvanse, focalin, methylin, procentra, zenzedi, evekeo, metadate, adzenys, aptensio, cotempla, daytrana, dyanavel, mydayis, quillichew, quillivant, lisdex  AND ONE OF THE FOLLOWING TERMS from list b: overdose, od, o.d  AND NONE OF THE FOLLOWING TERMS from list c: unrespons, uncons |
| Any Impression **[E09.15, E09.16,** **eSituation.11, eSituation.12]** | **Criteria 7:**  Inclusion terms: cocaine related, F14.10, F14.11, F14.20, F14.21, F15.10, F15.11, F15.20, F15.21, F16 |

|  |  |
| --- | --- |
| **NEMSIS Variable(s)** | **LEVEL 3 (acute stimulant-related incident)**  **Defined as an EMS incident in which either prescribed or illicit stimulants are implicated (e.g. withdrawal, intoxication, adverse effect) as either the primary reason for the call or as a related factor for the call.** |
| Any Complaint  **[E09.05, E09.08, eSituation.03, eSituation.04]**  *Or*  Narrative Report (NR)  **[E13.01,** **eNarrative.01]**  &  Patient Age  **[E06.14, E06.15, ePatient.15, ePatient.16]** | **Criteria 1 (searches complaint fields only):**  Inclusion terms: stimulant, cocaine, cocain, coaine, coke, amphet, cacaine  Exclusion terms: not stimulant, no stimulant, denies stimulant, denied stimulant, denies any stimulant, denied any stimulant, denies cocaine, denied cocaine, denies any cocaine, denied any cocaine, not cocaine, no cocaine, not coke, no coke, diet coke, rum and coke, jack and coke, bottle of, can of, glass of, denies amphet, denied amphet, denies any amphet, denied any amphet, not amphet, no amphet, coke cola, coke plant, over the counter, over-the-counter, vanilla coke, drink of  **Criteria 2 (searches complaint fields only):**  Inclusion terms: meth  Exclusion terms: denies meth, denied meth, denies any meth, denied any meth, meth mile, [oiam]meth, meth[aieou], amethia, methotr, methanol, indometh, betameth, dexameth, methocarb, prometh, not meth, no meth, Dextromethorphan, sulfameth, simethic, methado, methodo, something, samething, Methuen, metheun, method, methyl  **Criteria 3 (searches complaint fields only):**  Inclusion terms: Speedball, speed ball, smoked crack, smoke crack, smoking crack, smokes crack, use crack, on crack, used crack, crack pipe, took upper, under the influence of upper  Exclusion terms: crackle  **Criteria 4 (searches complaint fields only):**  Inclusion terms: MDMA, bath salt, Cathinone, ecstasy, ecstasy, molly  Exclusion terms: rn molly, molly rn  **Criteria 5:**  Inclusion terms: psycho, anxi, manic, parano, delus, aggress, violent, confused, crawling, public disturbance, public nuisance  Exclusion terms: dog, no psycho, not psycho, denie[sd] pyscho, denie[sd] any psycho, no anxi, not anxi, denie[sd] anxi, denies[sd] any anxi, no manic, not manic, denie[sd] manic, denie[sd] any manic, no parano, not parano, denie[sd] parano, denie[sd] any parano, no delus, not delus, denie[sd] delus, denie[sd] any delus, no aggress, not aggress, no violent, not violent, no confused, not confused, no crawling, not crawling, no public, not a public  **Criteria 6 (searchers complaint field only):**  Inclusion terms: tachy, hypertensive, heart racing, heart pounding, arrythmia  Exclusion terms: no tachy, not tachy, denie[sd] tachy, no hypertensive, not hypertensive, denie[sd] hypertensive, no heart racing, not heart racing, denie[sd] heart racing, no heart pounding, not heart pounding, denie[sd] heart pounding, no arrythmia, not arrythmia, denie[sd] arrythmia  OR  Inclusion terms: CVA AND Patient age <46  Exclusion terms: no CVA, not CVA, denie[sd] CVA,  **Criteria 7:**  Inclusion terms: withdraw, poly[ -]sub, polysub, overdose  Exclusion terms: alcohol withdraw, etoh withdraw, no withdraw, not withdraw, denie[sd] withdraw, no poly, not poly, denie[sd] poly, no overdose, not overdose, denie[sd] overdose  **Criteria 8:**  Inclusion terms: seiz, hyperthermia, hallucinat, de-escalat, taser, pepper spray, jitter, abscess, abcess  Exclusion terms: seizure history, seizure hx, no seiz, not seiz, denie[sd] seiz, no hyperthermia, not hyperthermia, denie[sd] hyperthermia, no hallucinat, not hallucinat, denie[sd] hallucinat, no de-escalat, not de-escalat, no taser, no pepper spray, no jitter, not jitter, denie[sd] jitter, no abscess, not abscess, denie[sd] abscess |
| Any Impression **[E09.15, E09.16,** **eSituation.11, eSituation.12]**  &  Patient Age  **[E06.14, E06.15, ePatient.15, ePatient.16]** | **Criteria 9:**  Inclusion terms: cocaine related, F14.10, F14.11, F14.20, F14.21, F15.10, F15.11, F15.20, F15.21, F16  **Criteria 10:**  Inclusion terms: F20, F22, F29, F41, R41, F30, F60, R45.6, altered mental status  **Criteria 11:**  Inclusion terms: R00, I16, I49, cardiac arrhythmia/dysrhythmia, hypertension OR  Inclusion terms: chest pain & Patient Age <55 OR  Inclusion terms I63 & Patient Age <46  **Criteria 12:**  Inclusion terms: F19.23, polysubstance overdose, psychoactive substance related diso  **Criteria 13:**  Inclusion terms: L02, R56, R50.9, R44.3, hallucinogen related disorders, hyperthermia, seizure, seizures with status epilepticus, seizures without status epilepticus |

# MIIS- COVID (PHDMIIS.COVID)

| **Variable Name** | **Variable Description** | **Meta Data** | **Format** |
| --- | --- | --- | --- |
| ID | Project Specific ID | Up to a 9-character alphanumeric ID | CHAR |
| Match\_level\_CMIIS | CHIA Match level | 1= These are members within the APCD that received a high score against the DPH input record. Candidates in this group are those that perfectly matched all elements of the DPH input record and those that generally had only one element mismatch. The threshold applied to group 1 candidates has been optimized based upon the input elements and their overall weight in determining a unique individual match.  2= This group contains members within the APCD that received a lower score against the DPH input record yet are considered possible matches. Candidates in this group could match on as little as SSN or date of birth and first name. These candidates are included for completeness. | NUM |
| Age\_CMIIS | Age at date administration | Age in years | NUM |
| Brand\_CMIIS | Brand name of vaccine | Blank = N/A | CHAR |
| Date\_Admin\_CMIIS | Date vaccine was administered | Date Proxy – count of days between admin date and randomly chosen date in the past. The variable is written as a SAS date.  NOTE: The larger the date proxy, the later in time the event occurred | NUM |
| date\_Admin\_month\_CMIIS | Month the vaccine was administered | Months, 1-12 | NUM |
| date\_Admin\_year\_CMIIS | Year the vaccine was administered | Years, YYYY format | NUM |
| Ethnicity\_CMIIS | Hispanic Ethnicity | 1 = Hispanic or Latino 2 = not Hispanic or Latino 9 = unknown  Blank = missing | NUM |
| Historical\_CMIIS | Shots that are not administered by the provider but is recorded by provider | 1 = yes 0 = no | NUM |
| IsAmerIndianOrAlaskan\_CMIIS | Binary | 0 = no 1 = yes | NUM |
| IsAsian\_CMIIS | Binary | 0 = no 1 = yes | NUM |
| IsBlack\_CMIIS | Binary | 0 = no 1 = yes | NUM |
| IsHawaiian\_OtherPacISL\_CMIIS | Binary | 0 = no 1 = yes | NUM |
| IsOther\_CMIIS | Binary | 0 = no 1 = yes | NUM |
| IsWhite\_CMIIS | Binary | 0 = no 1 = yes | NUM |
| IsUnknown\_CMIIS | Binary | 0 = no 1 = yes | NUM |
| MVX\_CMIIS | Vaccine Manufacturer | 1 = Pfizer 2 = Moderna  3 = Johnson & Johnson  4 = Other  Blank = missing | NUM |
| NDC\_CMIIS | National Drug Code | 11-digit numeric code with dashes  Blank = missing | CHAR |
| RACE\_CMIIS | Combined race ethnicity of patient | 1 = White non-Hispanic 2 = Black non-Hispanic 3 = Asian/PI non-Hispanic 4 = Hispanic 5 = American Indian or Other  9 = Unknown/ Undetermined | NUM |
| REP\_PROV\_Code\_CMIIS | City of reported provider | 1-351 for valid MA city/town  888= Out of state city/town  999 = Unknown  Blank = missing | NUM |
| REP\_Prov\_State\_CMIIS | State of reported Provider | 2-character state ID | CHAR |
| Rep\_Prov\_Type\_CMIIS | Provider type | See [Appendix Table 1](#_Appendix_Table_1:) | NUM |
| REP\_PROV\_Zip\_CMIIS | Zip code of reported provider | 5-digit zip code 99999=Unknown or missing | NUM |
| Res\_Code\_CMIIS | City of patient | 1-351 for valid MA city/town  999 = Unknown  Blank = missing | NUM |
| Res\_Zip\_CMIIS | Zip code of patient | 5-digit zip code 99999=Unknown or missing | NUM |
| Sex\_CMIIS | Gender of Patient | 1 = Male 2 = Female 3 = Transgender 9 = Unknown/Undifferentiated | NUM |
| VAX\_CMIIS | Vaccine ID | See [Appendix Table 2](#_Appendix_Table_2:) | NUM |
| Pat\_Address\_Type | Patient Address | 1 = Home  2 = Home (Secondary)  3 = Work  4 = Work (Secondary)  5 = Company  6 = Guardian  7 = Mailing  8 = Vacation Home  9 = Other | NUM |

## Appendix Table 1: Meta Data for Rep\_Prov\_Type\_CMIIS

|  |  |
| --- | --- |
| **Value** | **Description** |
| 1 | Assisted Living/Adult Day Care |
| 2 | Board of Health/Health Department |
| 3 | College (Private) |
| 4 | College (Public) |
| 5 | Community Health Center |
| 6 | Commercial Vaccinator |
| 7 | Community Health Center |
| 8 | Correctional Facility |
| 9 | Council on Aging |
| 10 | Department of Mental Health |
| 11 | Employee Health |
| 12 | Family Planning |
| 13 | Family Practice |
| 14 | Free Clinic |
| 15 | Home Health Agency |
| 16 | Homeless Shelter |
| 17 | Hospital (Private) |
| 18 | Hospital (Public) |
| 19 | Indian Health Services |
| 20 | Internal Medicine |
| 21 | Long Term Care (Public) |
| 22 | Long-term care facility/Nursing Home/Rest Home |
| 23 | Military Base |
| 24 | Multi - Specialty Center |
| 25 | OB/GYN |
| 26 | Other (Private) |
| 27 | Other (Public) |
| 28 | Out of State (from immunization surveillance in Rhode Island) |
| 29 | Pediatric Practice |
| 30 | Rehabilitation Center |
| 31 | STD walk in clinic |
| 32 | School (Collaborative) |
| 33 | School (Private) |
| 34 | School (Public) |
| 35 | School (Special Education) |
| 36 | School Based Health Center |
| 37 | Specialty Practice |
| 38 | State Agency |
| 39 | Urgent Care Centers |
| 40 | Visiting Nurse Agency |

## Appendix Table 2: Meta Data for VAX\_CMIIS

|  |  |
| --- | --- |
| **Value** | **Description** |
| 207 | SARS-COV-2 (COVID-19) vaccine mRNA spike protein LNP preservative free 100 mcg/0.5mL dose or 50 mcg/0.25mL dose |
| 208 | SARS-COV-2 (COVID-19) vaccine mRNA spike protein LNP preservative free 30 mcg/0.3mL dose |
| 210 | SARS-COV-2 (COVID-19) vaccine vector non-replicating recombinant spike protein-ChAdOx1 preservative free 0.5 mL |
| 211 | SARS-COV-2 (COVID-19) vaccine subunit recombinant spike protein-nanoparticle+Matrix-M1 Adjuvant preservative free 0.5mL dose |
| 212 | SARS-COV-2 (COVID-19) vaccine vector non-replicating recombinant spike protein-Ad26 preservative free 0.5 mL |
| 213 | SARS-COV-2 (COVID-19) vaccine UNSPECIFIED |
| 217 | SARS-COV-2 (COVID-19) vaccine mRNA spike protein LNP preservative free 30 mcg/0.3mL dose tris-sucrose formulation |
| 218 | SARS-COV-2 (COVID-19) vaccine mRNA spike protein LNP preservative free 10 mcg/0.2mL dose tris-sucrose formulation |
| 219 | SARS-COV-2 (COVID-19) vaccine mRNA spike protein LNP preservative free 3 mcg/0.2mL dose tris-sucrose formulation |
| 221 | SARS-COV-2 (COVID-19) vaccine mRNA spike protein LNP preservative free 50 mcg/0.5 mL dose |
| 228 | SARS-COV-2 (COVID-19) vaccine mRNA spike protein LNP preservative free pediatric 25 mcg/0.25 mL dose |
| 229 | SARS-COV-2 (COVID-19) vaccine mRNA spike protein LNP bivalent booster preservative free 50 mcg/0.5 mL or 25 mcg/0.25 mL dose |
| 230 | SARS-COV-2 (COVID-19) vaccine mRNA spike protein LNP bivalent booster preservative free 10 mcg/0.2 mL dose |
| 300 | SARS-COV-2 (COVID-19) vaccine mRNA ike protein LNP bivalent booster preservative free 30 mcg/0.3 mL dose tris-sucrose formulation |
| 301 | SARS-COV-2 (COVID-19) vaccine mRNA spike protein LNP bivalent booster preservative free 10 mcg/0.2 mL dose tris-sucrose formulation |
| 302 | SARS-COV-2 (COVID-19) vaccine mRNA pike protein LNP bivalent preservative free 3 mcg/0.2 mL dose tris-sucrose formulation |
| 500 | SARS-COV-2 COVID-19 Non-US Vaccine Specific Product Unknown |
| 502 | SARS-COV-2 COVID-19 Inactivated Virus Non-US Vaccine Product (COVAXIN) |
| 505 | SARS-COV-2 COVID-19 Viral Vector Non-Replicating Non-US Vaccine Product (Sputnik V) |
| 506 | SARS-COV-2 COVID-19 Viral Vector Non-Replicating Non-US Vaccine Product (CONVIDECIA) CanSino Biological Inc./Beijing Institute of Biotechnology |
| 507 | SARS-COV-2 COVID-19 Protein Subunit Non-US Vaccine Product (Anhui Zhifei Longcom Biopharmaceutical + Institute of Microbiology Chinese Academy of Sciences) |
| 508 | SARS-COV-2 COVID-19 Protein Subunit Non-US Vaccine Product (Jiangsu Province Centers for Disease Control and Prevention) |
| 509 | SARS-COV-2 COVID-19 Protein Subunit Non-US Vaccine Product (EpiVacCorona) |
| 510 | SARS-COV-2 COVID-19 Inactivated Virus Non-US Vaccine Product (BIBP Sinopharm) |
| 511 | SARS-COV-2 COVID-19 Inactivated Virus Non-US Vaccine Product (CoronaVac Sinovac) |
| 512 | SARS-COV-2 COVID-19 Virus Like Particle (VLP) Non-US Vaccine Product (Medicago Covifenz) |
| 519 | SARS-COV-2 COVID-19 mRNA bivalent original/Omicron BA.1 Non-US Vaccine (Spikevax Bivalent) Moderna |
| 520 | SARS-COV-2 COVID-19 mRNA bivalent original/Omicron BA.1 Non-US Vaccine Product (Comirnaty Bivalent) Pfizer-BioNTech |

# Hepatitis A – MAVEN (PHDHEPA.HAV)

| **Variable Name** | **Variable Description** | **Meta Data** | **Format** |
| --- | --- | --- | --- |
| ID | PHD ID | 9 character alphanumeric ID | Char |
| Match\_level\_HAV | CHIA Match level | 1= These are members within the APCD that received a high score against the DPH input record. Candidates in this group are those that perfectly matched all elements of the DPH input record and those that generally had only one element mismatch. The threshold applied to group 1 candidates has been optimized based upon the input elements and their overall weight in determining a unique individual match.  2= This group contains members within the APCD that received a lower score against the DPH input record yet are considered *possible* matches. Candidates in this group could match on as little as SSN or date of birth and first and last name. These candidates are included for completeness | Num |
| AGE\_HAV | Age in years at time of event | Age in years  Blank = missing (question not asked) | Num |
| EVENT\_DATE\_HAV | Date case counted for surveillance purposes. Based on hierarchy of available dates:  1) symptom onset,  2) earliest specimen collection date,  3) diagnosis date,  4) create date.  If no symptom onset date, then event date based on earliest specimen collection date & so on | Date Proxy – count of days between event date and randomly chosen date in the past  **NOTE: The larger the date proxy, the more recently the event occurred** | Num |
| EVENT\_MONTH\_HAV | Month case was counted | Months, 1-12 | Num |
| EVENT\_YEAR\_HAV | Year case counted | Years, YYYY | Num |
| HOMELESS\_HAV | Indicates if either address\_status = "homeless shelter" or “homeless”, cur\_housing\_status = "homeless", or homeless = "yes". | 0=No 1=Yes | Num |
| IDU\_INCUBATION\_HAV | During the incubation period, did the case inject drugs not prescribed by a doctor? | 0=no 1=yes 9=unknown  Blank = missing (question not asked) | Num |
| NON\_US\_BORN\_HAV | Born outside the US? | 0=no 1=yes 9=unknown | Num |
| RACE\_HAV |  | 1 = White non-Hispanic 2 = Black non-Hispanic 3 = Asian/PI non-Hispanic 4 = Hispanic 5 = Other, non-Hispanic  9 = Unknown  Blank = missing (question not asked) | Num |
| RES\_CODE\_HAV | City of residence received when the case was reported | 1-351 = valid MA city/town 999 = missing/unknown/invalid  Blank = missing (question not asked) | Num |
| RES\_ZIP\_HAV | Zip code of residence | 5 character zip code | Char |
| SEX\_HAV | Sex | 1=Male 2=Female 9=Unknown or transgender | Num |

# Hepatitis C - MAVEN (PHDHEPC.HCV)

| **Variable Name** | **Variable Description** | **Meta Data** | **Format** |
| --- | --- | --- | --- |
| ID | PHD ID | 9 character alphanumeric ID | Char |
| Match\_level\_HCV | CHIA Match level | 1= These are members within the APCD that received a high score against the DPH input record. Candidates in this group are those that perfectly matched all elements of the DPH input record and those that generally had only one element mismatch. The threshold applied to group 1 candidates has been optimized based upon the input elements and their overall weight in determining a unique individual match.  2= This group contains members within the APCD that received a lower score against the DPH input record yet are considered possible matches. Candidates in this group could match on as little as SSN or date of birth and first name. These candidates are included for completeness. | Num |
| AGE\_HCV | Age in years at time of event | Age in years  Blank = missing (question not asked) | Num |
| DISEASE\_STATUS\_HCV | Cases are classified according to appropriate CSTE case definition  \*Please note, in individuals between 0-3 years, a value of probable indicates that they need follow up testing. Probable is not a valid final case status in these ages, although it may appear given the extract processes for the PHD | 1=Confirmed 2=Probable | Num |
| DISEASE\_TYPE\_HCV | Acute or chronic disease type  \*Please note that, beginning with the 2018 perinatal HCV case definition, neither the acute nor the chronic classification can be applied to individuals under the age of 3 years old. Perinatal HCV cases can be identified in this dataset by identifying those cases where DISEASE\_STATUS\_HCV is "Confirmed" and age is between 0-3 years. | 1=Acute 2=Chronic  9=Missing or Perinatal | Num |
| EVENT\_DATE\_HCV | The date we count a case for surveillance purposes. This is based on a hierarchy of available dates: 1) symptom onset, 2) earliest specimen collection date, 3) diagnosis date, 4) create date. If there is no symptom onset date, then the event date would be based off earliest specimen collection date and so on. | Date Proxy – count of days between event date and randomly chosen date in the past  **NOTE: The larger the date proxy, the more recently the event occurred** | Num |
| EVENT\_MONTH\_HCV | Month case was counted | Months, 1-12 | Num |
| EVENT\_YEAR\_HCV | Year case was counted | Years, YYYY format | Num |
| EVER\_HOMELESS\_HCV | Indicates if "homeless" was ever checked as a unique address condition. | 0=Unknown 1=Yes **Note, 92% of records had none of the potential unique address conditions checked** | Num |
| EVER\_IDU\_HCV | Has the case ever injected drugs not prescribed by a doctor? | 0=no 1=yes 9=unknown  Blank = missing (question not asked) | Num |
| NON\_US\_BORN\_HCV | Born outside of the US? | 0=no 1=yes 9=unknown **Note: This is a checkbox option for Country of Birth: US or Other and ~70% of records have nothing checked** | Num |
| RACE\_HCV |  | 1 = White non-Hispanic 2 = Black non-Hispanic 3 = Asian/PI non-Hispanic 4 = Hispanic 5 = Other, non-Hispanic  9 = Unknown  Blank = missing (question not asked) | Num |
| RES\_CODE\_HCV | City of residence received when the case was initially reported | 1-351 = valid MA city/town 999 = missing/unknown/invalid  Blank = missing (question not asked) | Num |
| RES\_ZIP\_HCV | Zip code of residence | 5 character zip code  99999 = missing | Char |
| SEX\_HCV | Sex | 1=Male 2=Female 9=Unknown or transgender | Num |

# HIV\_Incidence (PHDHIV.HIV\_INC)

| **Variable Name** | **Variable Description** | **Meta Data** | **Format** |
| --- | --- | --- | --- |
| ID | PHD ID | 9-character alphanumeric ID | Char |
| Match\_level\_HIV\_INC | CHIA Match level | 1=These are members within the APCD that received a high score against the DPH input record. Candidates in this group are those that perfectly matched all elements of the DPH input record and those that generally had only one element mismatch. The threshold applied to group 1 candidates has been optimized based upon the input elements and their overall weight in determining a unique individual match.  2=This group contains members within the APCD that received a lower score against the DPH input record yet are considered *possible* matches. Candidates in this group could match on as little as SSN or date of birth and first and last name. These candidates are included for completeness | Num |
| AGE\_HIV\_INC | Age in years at time of diagnosis | Age in years | Num |
| DIAGNOSIS\_DATE\_HIV | HIV disease diagnosis date. if month is missing then it is hardcoded to June. If day is missing then it is hardcoded to the 15th of the month. | Date Proxy=Count of days between event date and randomly chosen date in the past | Num |
| DIAGNOSIS\_MONTH\_HIV | HIV disease diagnosis MONTH. If month is missing then it is hardcoded to June. | Months, 1-12 | Num |
| DIAGNOSIS\_YEAR\_HIV | Incidence cohort year | 4-digit year | Num |
| ENGLISH\_SPEAKING\_HIV | Is the case English speaking? | 0=No 1=Yes 9=Unknown | Num |
| EXPOSURE\_HIV | HIV exposure mode category | 1=MSM 2=IDU 3=MSM/IDU 4=Het Sex 5=Presumed Het 6=Other 7=No identified risk | Num |
| HOMELESS\_HIV\_INC | Was the case homeless at the time of diagnosis? | 0=No 1=Yes 9=Unknown | Num |
| INCARCERATED\_HIV\_INC | Was the case incarcerated at the time of diagnosis? | 0=No 1=Yes 9=Unknown | Num |
| RES\_ZIP\_HIV\_INC | ZIP code of residence at diagnosis. Homeless indicator is not complete | 5-digit ZIP code 99999 = Unknown 88888 = Homeless indicator | Char |
| RES\_CODE\_HIV\_INC | City/town of residence at diagnosis | 1-351 = valid MA city/town 999 = missing/unknown/invalid | Num |
| RACE\_HIV | Race/Hispanic Ethnicity. The "Other/Unknown" category includes American Indian/Alaska Native, Multi-Race, and Unknown. | 1=White Non-Hispanic 2=Black non-Hispanic 3=Asian/PI non-Hispanic 4=Hispanic 5=American Indian or Other  9=Unknown | Num |
| SEX\_HIV | Sex | 1=Male 2=Female | Num |

# HIV Prevalence (PHDHIV.HIV\_PREV)

| **Variable Name** | **Variable Description** | **Meta Data** | **Format** |
| --- | --- | --- | --- |
| ID | PHD ID | 9-character alphanumeric ID | Char |
| Match\_level\_HIV\_PREV | CHIA Match level | 1=These are members within the APCD that received a high score against the DPH input record. Candidates in this group are those that perfectly matched all elements of the DPH input record and those that generally had only one element mismatch. The threshold applied to group 1 candidates has been optimized based upon the input elements and their overall weight in determining a unique individual match.  2=This group contains members within the APCD that received a lower score against the DPH input record yet are considered *possible* matches. Candidates in this group could match on as little as date of birth and zip code. These candidates are included for completeness | Num |
| AGE\_HIV\_PREV | Age as of PREVELANCE\_DATE\_HIV (2019 or 2020) | Age in years | Num |
| COCAINE\_LAST12\_HIV | Has the case used cocaine within the past 12 months? | 0=no 1=yes 9=unknown/missing | Num |
| CRACK\_LAST12\_HIV | Has the case used crack within the past 12 months? | 0=no 1=yes 9=unknown/missing | Num |
| DIAGNOSIS\_DATE\_AIDS | AIDS diagnosis date. If day of the month is missing then it is hardcoded to 15; if month is missing then it is hardcoded to June. Values exist for cases that have an AIDS diagnosis. | Date Proxy: count of days between event date and randomly chosen date in the past NOTE: The larger the date proxy, the more recently the event occurred | Num |
| DIAGNOSIS\_YEAR\_AIDS | Year of AIDS diagnosis | 4-digit year  Missing = 9999 | Num |
| DIAGNOSIS\_MONTH\_AIDS | Month of AIDS diagnosis | Months 1-12  Missing=99 | Num |
| EARLIEST\_OI\_DATE | The earliest date of opportunistic illness (OI) diagnosis. | Date Proxy – count of days between event date and randomly chosen date in the past | Num |
| EXPOSURE\_HIV | HIV exposure mode category | 1=MSM 2=IDU 3=MSM/IDU 4=Het Sex 5=Presumed Het 6=Other 7=No identified risk | Num |
| FENTANYL\_LAST12\_HIV | Has the case used fentanyl within the past 12 months? | 0=no 1=yes 9=unknown/missing | Num |
| HEROIN\_LAST12\_HIV | Has the case used Heroin within the past 12 months? | 0=no 1=yes 9=unknown/missing | Num |
| IDU\_LAST12\_HIV | Has the case reported injecting drugs within the past 12 months? | 0=no 1=yes 9=unknown/missing | Num |
| INCARCERATED\_LAST12\_HIV | Was the case incarcerated within the past 12 months? | 0=No 1=Yes 9=Unknown/missing | Num |
| METH\_LAST12\_HIV | Has the case used methamphetamines within the past 12 months? | 0=no 1=yes 9=unknown/missing | Num |
| PREV\_YEAR\_HIV | Year of prevalence (2019 or 2020, prior years data in PREV\_CD4 dataset) | YYYY | Num |
| RACE\_HIV | Race/Hispanic Ethnicity. The "Other/Unknown" category includes American Indian/Alaska Native, Multi-Race, and Unknown. | 1=White Non-Hispanic 2=Black non-Hispanic 3=Asian/PI non-Hispanic 4=Hispanic 5=American Indian or Other  9=Unknown | Num |
| RES\_ZIP\_HIV\_PREV | ZIP code of residence as of 12/31 of the prevalence year indicator. Based on most recent residence data available. If we only have residence at diagnosis, then that information is pulled forward through future current residence variables. Homeless indicator is not complete | 5-digit ZIP code 99999 = Unknown 88888 = Homeless indicator | Char |
| RES\_CODE\_HIV\_PREV | City/town of residence as of 12/31 of the prevalence year indicator. Based on most recent residence data available. If we only have residence at diagnosis, then that information is pulled forward through future current residence variables. | 1-351 = valid MA city/town 999 = missing/unknown/invalid | Num |
| SEX\_HIV | Sex at birth | 1=Male 2=Female | Num |

# MAVEN HIV Case reports – Prevalence CD4 (PHDHIV.HIV\_PREV\_CD4)

| **Variable Name** | **Variable Description** | **Meta Data** | **Format** |
| --- | --- | --- | --- |
| ID | PHD ID | 9-character alphanumeric ID | Char |
| Match\_level\_HIV\_PREV\_CD4 | CHIA Match level | 1=These are members within the APCD that received a high score against the DPH input record. Candidates in this group are those that perfectly matched all elements of the DPH input record and those that generally had only one element mismatch. The threshold applied to group 1 candidates has been optimized based upon the input elements and their overall weight in determining a unique individual match.  2=This group contains members within the APCD that received a lower score against the DPH input record yet are considered *possible* matches. Candidates in this group could match on as little as date of birth and zip code. These candidates are included for completeness | Num |
| CD4 | Categorization of record date CD4 count | 1= <200 2=200-499 3=500+  9=Missing/unknown | Num |
| CD4\_DATE\_PREV | Record Date of CD4 count | Date Proxy – count of days between event date and randomly chosen date in the past | Num |
| CD4\_MONTH\_PREV | month of CD4 count | Months, 1-12  99= missing | Num |
| CD4\_YEAR\_PREV | Year of CD4 count | 4-digit year  9999=missing | Num |
| VIRAL\_SUPPRESSED2013 | Viral suppression at time of contact, includes individuals diagnosed through 12/31/2013 (the year prior & alive through 12/31 of the prevalence year), and living in Massachusetts based on last known address. Virally suppressed is defined as having a VL ≤200 copies/mL for the most recent VL drawn in the prevalence year. | 0=Not virally suppressed 1=Virally suppressed 8 = Not in care continuum 9 = Viral suppression status unknown (no VL in time period of interest) | Num |
| VIRAL\_SUPPRESSED2014 | Viral suppression at time of contact, includes individuals diagnosed through 12/31/2014 (the year prior & alive through 12/31 of the prevalence year), and living in Massachusetts based on last known address. Virally suppressed is defined as having a VL ≤200 copies/mL for the most recent VL drawn in the prevalence year. | 0=Not virally suppressed 1=Virally suppressed 8 = Not in care continuum 9 = Viral suppression status unknown (no VL in time period of interest) | Num |
| VIRAL\_SUPPRESSED2015 | Viral suppression at time of contact, includes individuals diagnosed through 12/31 the year prior to the prevalence year, alive through 12/31/2015 of the prevalence year, and living in Massachusetts based on last known address. Virally suppressed is defined as having a VL ≤200 copies/mL for the most recent VL drawn in the prevalence year. | 0=Not virally suppressed 1=Virally suppressed 8 = Not in care continuum 9 = Viral suppression status unknown (no VL in time period of interest) | Num |
| VIRAL\_SUPPRESSED2016 | Viral suppression at time of contact, includes individuals diagnosed through 12/31 the year prior to the prevalence year, alive through 12/31/2016 of the prevalence year, and living in Massachusetts based on last known address. Virally suppressed is defined as having a VL ≤200 copies/mL for the most recent VL drawn in the prevalence year. | 0=Not virally suppressed 1=Virally suppressed 8 = Not in care continuum 9 = Viral suppression status unknown (no VL in time period of interest) | Num |
| VIRAL\_SUPPRESSED2017 | Viral suppression at time of contact, includes individuals diagnosed through 12/31 the year prior to the prevalence year, alive through 12/31/2017 of the prevalence year, and living in Massachusetts based on last known address. Virally suppressed is defined as having a VL ≤200 copies/mL for the most recent VL drawn in the prevalence year. | 0=Not virally suppressed 1=Virally suppressed 8 = Not in care continuum 9 = Viral suppression status unknown (no VL in time period of interest) | Num |
| VIRAL\_SUPPRESSED2018 | Viral suppression at time of contact, includes individuals diagnosed through 12/31 the year prior to the prevalence year, alive through 12/31/2018 of the prevalence year, and living in Massachusetts based on last known address. Virally suppressed is defined as having a VL ≤200 copies/mL for the most recent VL drawn in the prevalence year. | 0=Not virally suppressed 1=Virally suppressed 8 = Not in care continuum 9 = Viral suppression status unknown (no VL in time period of interest) | Num |
| VIRAL\_SUPPRESSED2019 | Viral suppression at time of contact, includes individuals diagnosed through 12/31 the year prior to the prevalence year, alive through 12/31/2019 of the prevalence year, and living in Massachusetts based on last known address. Virally suppressed is defined as having a VL ≤200 copies/mL for the most recent VL drawn in the prevalence year. | 0=Not virally suppressed 1=Virally suppressed 8 = Not in care continuum 9 = Viral suppression status unknown (no VL in time period of interest) | Num |
| VIRAL\_SUPPRESSED2020 | Viral suppression at time of contact, includes individuals diagnosed through 12/31 the year prior to the prevalence year, alive through 12/31/2020 of the prevalence year, and living in Massachusetts based on last known address. Virally suppressed is defined as having a VL ≤200 copies/mL for the most recent VL drawn in the prevalence year. | 0=Not virally suppressed 1=Virally suppressed 8 = Not in care continuum 9 = Viral suppression status unknown (no VL in time period of interest) | Num |
| VIRAL\_SUPPRESSED2021 | Viral suppression at time of contact, includes individuals diagnosed through 12/31 the year prior to the prevalence year, alive through 12/31/2021 of the prevalence year, and living in Massachusetts based on last known address. Virally suppressed is defined as having a VL ≤200 copies/mL for the most recent VL drawn in the prevalence year. | 0=Not virally suppressed  1=Virally suppressed  8 = Not in care continuum  9 = Viral suppression status unknown (no VL in time period of interest) | Num |

# MAVEN- COVID (PHDCOVID.COVID\_MAVEN)

| **Variable Name** | **Variable Description** | **Meta Data** | **Format** |
| --- | --- | --- | --- |
| ADMITTED\_ICU\_CMAV | Admitted to the ICU: | 1 - Yes [YES]  0 - No [NO] 9 - Unknown [UNKNOWN] | NUM |
| AGE\_DIAGNOSIS\_CMAV | Age at diagnosis – as young as 0 years old to 120 years old |  | NUM |
| CASE\_HEALTHCARE\_WORKER\_CMAV | Is case a healthcare worker? | 1 - Yes [YES]  0 - No [NO] 9 - Unknown [UNKNOWN] | NUM |
| CASE\_HOSP\_CMAV | Was case hospitalized? | 1 - Yes [YES]   0 - No [NO]  9 - Unknown [UNKNOWN] | NUM |
| CENSUS\_IND\_CODE\_CMAV | Census Industry Code | Census Industry Code | NUM |
| CENSUS\_OCC\_CODE\_CMAV | Census Occupation Code | Census Occupation Code | NUM |
| CLIN\_COMP\_ARDS\_CMAV | If patient reported having Acute respiratory distress syndrome (ARDS) | 1 - Yes [YES]   0 - No [NO]  9 - Unknown [UNKNOWN] |  |
| CLIN\_COMP\_CMAV | if yes, describe | Codes in MAVEN Codes | CHAR |
| CLIN\_COMP\_OTHER\_CMAV | If patient reported having Pneumonia | 1 - Yes [YES]   0 - No [NO]  9 - Unknown [UNKNOWN] | NUM |
| CLIN\_COMP\_PNEUMONIA\_CMAV | If patient reported having Other Clinical Complication | 1 - Yes [YES]   0 - No [NO]  9 - Unknown [UNKNOWN] | NUM |
| CLINICAL\_DOD\_CMAV | > Date of death: | Date Proxy – count of days between event date and randomly chosen date in the past   NOTE: The large the date proxy, the later in time the event occurred  This variable will be blank if an individual is not deceased | NUM |
| CLINICAL\_DOD\_MONTH\_CMAV | > Month of death: | 1-12 | NUM |
| CLINICAL\_DOD\_YEAR\_CMAV | > Year of death: | YYYY | NUM |
| COB\_CODE\_CMAV | Place of birth (country): | Codes in MAVEN Codes | CHAR |
| COUNTRY\_CMAV | US BORN OR BORN SOMEWHERE ELSE | UNITED STATES  OTHER  UNKNOWN | CHAR |
| COV\_EXP\_WHERE\_CMAV | >> Where was case exposed to confirmed case? | Codes in MAVEN Codes | NUM |
| CUR\_GENDER\_CMAV | What is your current gender identity? Check all that apply regardless of sex assigned at birth. | 1 - Male [MALE] 2 - Female [FEM] 3 - Nonbinary or Genderqueer or not exclusively male or female [NB] 4 - I am questioning/not sure of my gender identity [QUEST] 5 - I dont understand what this question is asking [DONT]I prefer not to answer [PREFER]  9 - Missing | NUM |
| DIS\_STATUS\_CMAV | Disease classification status | 1 - Probable [PROBABLE]  2 - Confirmed [CONFIRMED] | NUM |
| DISABILITY\_CMAV | Has the individual disclosed living with a disability? | 1 - Yes [YES]  0 - No [NO] 9 - Unknown [UNKNOWN] | NUM |
| DISABILITY\_DETAIL\_CMAV | > If yes, describe: | 1 - Deaf or having serious difficult hearing [HEARING] 2 - Blind or having serious difficulty seeing, even when wearing glasses [VISION] 3 - Because of a physical, mental, or emotional problem, having difficulty remembering, concentrating, or making decisions [COGNITIVE] 4 - Having serious difficulty walking or climbing stairs [AMBULATORY] 5 - Having difficulty bathing or dressing [CARE] 6 - Because of a physical, mental, or emotional problem, having difficulty doing errands alone such as shopping [INDEPENDENT] 99 - Other not listed above [OTHER] | NUM |
| EMP\_ADM\_DAYCARE\_K12\_CMAV | Employed at or enrolled in a child care program or K-12 school (includes daycare, preschool, before/after school care, and K-12 school)? | 1 - Yes [YES]  0 - No [NO] 9 - Unknown [UNKNOWN] | NUM |
| EMP\_ADM\_HEALTHCARE\_CMAV | Employed at, enrolled at, admitted to, or visited a group setting? (For example, nursing home, hospital, jail) | 1 - Yes [YES]   0 - No [NO]  9 - Unknown [UNKNOWN] | NUM |
| EMP\_DATE\_LAST\_WORKED\_CMAV | Date last worked: | The patient’s last work day | NUM |
| EMP\_DATE\_LAST\_WORKED\_MONTH\_CMAV | >> Month last worked: | 1-12 | NUM |
| EMP\_DATE\_LAST\_WORKED\_YEAR\_CMAV | >> Year last worked: | YYYY | NUM |
| EMP\_DATE\_LAST\_WORKED\_SEC\_CMAV | >> Date last worked: | The patients last work day secondary Date | NUM |
| EMP\_LOC\_PRI\_CMAV | >> Does case physically work in Massachusetts? - PRIMARY | 1 - Yes [YES]  0 - No [NO] 9 - Unknown [UNKNOWN] | NUM |
| EMP\_LOC\_SEC\_CMAV | >> Does case physically work in Massachusetts? - SECONDARY | 1 - Yes [YES]  0 - No [NO] 9 - Unknown [UNKNOWN] | NUM |
| EMP\_MONTH\_LAST\_WORKED\_SEC\_CMAV | >> Month last worked: | 1-12 | NUM |
| EMP\_MULTI\_CMAV | Does case have multiple employers? | 1 - Yes [YES]  0 - No [NO] 9 - Unknown [UNKNOWN] | NUM |
| EMP\_NAME\_CMAV | NAME OF EMPLOYER |  | CHAR |
| EMP\_NAME\_SEC\_CMAV | NAME OF EMPLOYER |  | CHAR |
| EMP\_OR\_ADM\_HEALTHCARE\_CMAV | Employed at, enrolled at, admitted to, or visited a group setting? (For example, nursing home, hospital, jail) | 1 - Yes [YES]   0 - No [NO]  9 - Unknown [UNKNOWN] | NUM |
| EMP\_OR\_ADM\_HEALTHCARE\_TYPE\_CMAV | 1 - Assisted Living Facility [ASSISTED\_LIVING] 2 - Blood Bank [BLOOD\_BANK] 3 - Community Health Center [COMMUNITY\_HEALTH] 4 - Correctional Institution [CORRECTIONAL] 5 - Daycare (Adult) [DAYCARE\_ADULT] 6 - Daycare (Child) [DAYCARE\_CHILD] 7 - Dialysis Facility [DIALYSIS] 8 - Drug Treatment Facility [DRUG\_TREATMENT] 9 - Emergency Department or Urgent Care [ER\_URGENT] 10 - Family Planning Clinic [FAMILY\_PLANNING\_CLINIC] 11 - Group Home [GROUP\_HOME] 12 - HIV Counseling, Testing, and Referral Site [HIV\_TESTING] 13 -Hospital [HOSPITAL] 14 -Hospital-based Clinic [HOSPITAL\_BASED] 15 -Indian Health Services [INDIAN] 16-Inpatient Psychiatric [INPATIENT\_PSYCHIATRIC] 17 -Labor and Delivery [LABOR\_DELIVERY] 18 -Laboratory [LABORATORY] 19 -Long-Term Acute Care [LTAC] 20 -Long-Term Care Facility (includes nursing homes, skilled nursing, rest homes and rehab facilities) [LTCF] 21 -Mental Health Services Site [MENTAL\_HEALTH] 22-Military/VA/Job Corps Clinic [MILITARY\_VA] 23 -Other [OTHER\_FACILITY] 24 -Other Health Department Clinic [OTHER\_HD] 25 -Prenatal [PRENATAL] 26 -Private Practice or HMO [PRIVATE\_PRACTICE] 27 -STD Clinic [STD\_CLINIC] 28 -School (Boarding) [BOARDING\_SCHOOL] 29 -School (College/University) [COLLEGE\_UNI] 30 -School (Elementary/Middle) [ELEMENTARY\_MIDDLE] 31 -School (Secondary/Vocational) [SECONDARY\_SCHOOL] 32- School-based Clinic including College/University [SCHOOL\_BASED] 33-TB Clinic [TB\_CLINIC] 34-Unknown [UNKNOWN] |  | NUM |
| EMP\_ST\_CMAV | Employer state: |  | CHAR |
| EMP\_ST\_SEC\_CMAV | >> Employer State: |  | CHAR |
| EMP\_YEAR\_LAST\_WORKED\_SEC\_CMAV | >> Year last worked: | YYYY | NUM |
| EMP\_ZIP\_SEC\_CMAV | >> Employer zip code: | 5 digit zip 99999=Unknown | NUM |
| EMPLOYER\_CITY\_CMAV | CITY OF PATIENT'S EMPLOYER  CITY NAME: | 1-351 for valid MA city/town 999=Unknown | NUM |
| EMPLOYER\_CITY\_SEC\_CMAV | CITY OF PATIENT'S EMPLOYER SECONDARY CITY NAME: | 1-351 for valid MA city/town 999=Unknown | NUM |
| FIRST\_POS\_TEST\_DATE\_CMAV | Date of First pos test from dashboard | Date of first positive test from the dashboard | NUM |
| FIRST\_POS\_TEST\_DATE\_MONTH\_CMAV | Month of first pos test from dashboard | 1-12 | NUM |
| FIRST\_POS\_TEST\_DATE\_YEAR\_CMAV | Year of first pos test from dashboard | YYYY | NUM |
| FOREIGN\_BORN\_CMAV | Foreign born | 1 - Yes [YES]   0 - No [NO]  9 - Unknown [UNKNOWN] | NUM |
| GENDER\_CMAV | Gender Identity of patient | 1 - Male [Male]  2 - Female [Female]   3 - Transgender [Transgender]   9 - Unknown [4] | NUM |
| GESTATIONAL\_AGE\_CMAV | >> Gestational age (in weeks): |  | NUM |
| HISPANIC\_CMAV | Is case Hispanic, Latinx or Spanish origin? | 0 = no  1 = yes  2= Refused  9 = Unknown | NUM |
| HOMELESS\_FLG\_CMAV | Indicates if either address\_status = "homeless shelter" or "homeless", cur\_housing\_status = "homeless", or homeless = "yes". | 0=No  1=Yes | Num |
| ID | N/A | 9 character alphanumeric ID | Char |
| ISAMERINDIANORALASKAN\_CMAV | Binary  Patient identifies as American Indian or Alaska Native | 0 = no  1 = yes | NUM |
| ISASIAN\_CMAV | Binary  Patient identifies as Asian | 0 = no  1 = yes | NUM |
| ISBLACK\_CMAV | Binary  Patient identifies as Black | 0 = no  1 = yes | NUM |
| ISHAWAIIAN\_OTHERPACISL\_CMAV | Binary  Patient identifies as Native Hawaiian or Other Pacific Islander | 0 = no  1 = yes | NUM |
| ISOTHER\_CMAV | Binary  Patient identifies as Other | 0 = no  1 = yes | NUM |
| ISUNKNOWN\_CMAV | Binary | 2 = no  1 = yes | NUM |
| ISWHITE\_CMAV | Binary  Patient identifies as White | 0 = no  1 = yes | NUM |
| MAINTAIN\_SOCL\_DIS\_CMAV | During the 14 days prior to infection, how often was case able to maintain social distance? (At least 6 feet apart when near someone for 15 minutes or more.) | 1 - All of the time [ALL] 2 - Most of the time [MOST] 3 - Some of the time [SOME] 4 - None of the time [NONE] 9 - Unknown [UNKNOWN] | NUM |
| MATCH\_LEVEL\_CMAV | CHIA Match level | 1= These are members within the APCD that received a high score against the DPH input record. Candidates in this group are those that perfectly matched all elements of the DPH input record and those that generally had only one element mismatch. The threshold applied to group 1 candidates has been optimized based upon the input elements and their overall weight in determining a unique individual match.    2= This group contains members within the APCD that received a lower score against the DPH input record yet are considered possible matches. Candidates in this group could match on as little as SSN or date of birth and first name. These candidates are included for completeness. | Num |
| MEC\_VENT\_CMAV | Was case placed on mechanical ventilation? | 1 - Yes [YES]   0 - No [NO]  9 - Unknown [UNKNOWN] | NUM |
| NAICS\_CODE\_CMAV | NAICS Code | NAICS Code | NUM |
| OUTCOME\_CMAV | Outcome: | 1 - Recovered (no)  0 - Died [DIED] (yes)  9 - Unknown | NUM |
| PRIMARY\_LANGUAGE\_CMAV | Primary language |  | CHAR |
| RACE\_CMAV | Combine race ethnicity of patient | 1 = White non-Hispanic  2 = Black non-Hispanic  3 = Asian/PI non-Hispanic  4 = Hispanic  5 = American Indian or Other       9 = Unknown | NUM |
| RES\_CODE\_CMAV | City of patient  Official City: | 1-351 for valid MA city/town 999=Unknown | ~~NUM~~ |
| SEX\_AT\_BIRTH\_CMAV | Assigned Sex at Birth | 1 - Male [MALE]  2 - Female [FEMALE]  3 - Intersex [INTERSEX]  4 - Refused [REFUSED]  5 - Did not ask [DID\_NOT\_ASK] | NUM |
| SEX\_ORIENT\_CMAV | Sexual orientation | 1 - Bisexual and/or Pansexual [Bisexual and/or Pansexual]  2 - Lesbian, gay, or homosexual [Lesbian, gay, or homosexual]  3 - Straight or heterosexual [Straight or heterosexual]  4 - Something else/Other not listed above (e.g. queer, asexual) [Something else/Other not listed above (e.g. queer, asexual)]  5 - Don't know [Don't know] | NUM |
| SOC\_CODE\_CMAV | SOC\_Code | SOC\_Code | CHAR |
| SS\_ABDOMINAL\_PAIN\_CMAV | > Abdominal pain: | 1 - Yes [YES]   0 - No [NO]  9 - Unknown [UNKNOWN] | NUM |
| SS\_APPETITE\_LOSS\_CMAV | > Loss of appetite: | 1 - Yes [YES]   0 - No [NO]  9 - Unknown [UNKNOWN] | NUM |
| SS\_CHILLS\_CMAV | > Chills: | 1 - Yes [YES]   0 - No [NO]  9 - Unknown [UNKNOWN] | NUM |
| SS\_COUGH\_CMAV | > Cough: | 1 - Yes [YES]   0 - No [NO]  9 - Unknown [UNKNOWN] | NUM |
| SS\_DIARRHEA\_CMAV | > Diarrhea: | 1 - Yes [YES]   0 - No [NO]  9 - Unknown [UNKNOWN] | NUM |
| SS\_DIFF \_SHORT\_BREATH\_CMAV | > Difficulty breathing/Shortness of breath: | 1 - Yes [YES]   0 - No [NO]  9 - Unknown [UNKNOWN] | NUM |
| SS\_FEVER\_CMAV | > Fever: | 1 - Yes [YES]   0 - No [NO]  9 - Unknown [UNKNOWN] | NUM |
| SS\_HEADACHE\_CMAV | > Headache: | 1 - Yes [YES]   0 - No [NO]  9 - Unknown [UNKNOWN] | NUM |
| SS\_MUSCLE\_ACHES\_PAINS\_CMAV | > Muscle aches/pains (myalgia): | 1 - Yes [YES]   0 - No [NO]  9 - Unknown [UNKNOWN] | NUM |
| SS\_SORE\_THROAT\_CMAV | > Sore throat: | 1 - Yes [YES]   0 - No [NO]  9 - Unknown [UNKNOWN] | NUM |
| SS\_TASTE\_SMELL\_LOSS\_CMAV | > Loss of smell and/or taste: | 1 - Yes [YES]   0 - No [NO]  9 - Unknown [UNKNOWN] | NUM |
| SS\_VOMITING\_CMAV | > Vomiting: | 1 - Yes [YES]   0 - No [NO]  9 - Unknown [UNKNOWN] | NUM |
| SYMPTOM\_ONSET\_DATE\_CMAV | > Symptom onset date: | The start date of symptoms a patient experienced | DATE |
| SYMPTOM\_ONSET\_MONTH\_CMAV | Year of symptom onset date: |  | DATE |
| SYMPTOM\_ONSET\_YEAR\_CMAV | Month of symptom onset date: |  | DATE |
| SYMPTOMS\_CMAV | Did case have symptoms? | 1 - Yes [YES]   0 - No [NO]  9 - Unknown [UNKNOWN] | NUM |
| TRANSGENDER\_EXP\_CMAV | Transgender Experience | 1 - Yes [Yes] 2 - No [No] 3 - I am not sure [I am not sure] 4 - I don't understand what this question is asking [I don't understand what this question is asking] 5 - Prefer not to answer [Prefer not to answer] | NUM |
| UNDER\_ILL\_CMAV | Does patient have underlying illness? | 1 - Yes [YES]   0 - No [NO]  9 - Unknown [UNKNOWN] | NUM |
| UNDER\_ILL\_SPEC\_CD\_CMAV | If underlying illness - Cardiac Disease was reported | 1 - Yes [YES]   0 - No [NO] | NUM |
| UNDER\_ILL\_SPEC\_CLD\_CMAV | If underlying illness -Chronic Lung Disease  was reported | 1 - Yes [YES]   0 - No [NO] | NUM |
| UNDER\_ILL\_SPEC\_CMAV | if yes, describe | Codes in MAVEN Codes | CHAR |
| UNDER\_ILL\_SPEC\_CPD\_CMAV | If underlying illness - Chronic pulmonary disease was reported | 1 - Yes [YES]   0 - No [NO] | NUM |
| UNDER\_ILL\_SPEC\_CRDH\_CMAV | If underlying illness - Chronic/Renal Disease/Hemodialysis was reported | 1 - Yes [YES]   0 - No [NO] | NUM |
| UNDER\_ILL\_SPEC\_DIAB\_CMAV | If underlying illness - Diabetes was reported | 1 - Yes [YES]   0 - No [NO] | NUM |
| UNDER\_ILL\_SPEC\_HYPE\_CMAV | If underlying illness - Hypertension was reported | 1 - Yes [YES]   0 - No [NO] | NUM |
| UNDER\_ILL\_SPEC\_IMM\_CMAV | If underlying illness - Immunocompromised was reported | 1 - Yes [YES]   0 - No [NO] | NUM |
| UNDER\_ILL\_SPEC\_LD\_CMAV | If underlying illness - Liver disease was reported | 1 - Yes [YES]   0 - No [NO] | NUM |
| UNDER\_ILL\_SPEC\_NONE\_CMAV | If underlying illness - None was reported | 1 - Yes [YES]   0 - No [NO] | NUM |
| UNDER\_ILL\_SPEC\_OTHER\_CMAV | If underlying illness - Other was reported | 1 - Yes [YES]   0 - No [NO] | NUM |
| UNDER\_ILL\_SPEC\_PREG\_CMAV | If underlying illness - Pregnant was reported | 1 - Yes [YES]   0 - No [NO] | NUM |
| UNDER\_ILL\_SPEC\_RD\_CMAV | If underlying illness - Renal Disease  was reported | 1 - Yes [YES]   0 - No [NO] | NUM |
| UNDER\_ILL\_SPEC\_UKN\_CMAV | If underlying illness -Unknown was reported | 1 - Yes [YES]   0 - No [NO] | NUM |
| VITALS\_RECORD\_ID | VITALS RECORD ID |  | CHAR |
| WEAR\_FACE\_COVER\_INCU\_CMAV | During the 14 days prior to infection, how often did case wear a face covering when interacting with people outside of their household? | 1 - All of the time [ALL] 2 - Most of the time [MOST] 3 - Some of the time [SOME] 4 - None of the time [NONE] 9 - Unknown [UNKNOWN] | NUM |
| WORK\_OUT\_INCU\_CMAV | Work outside the home (not telework): | 1 - Yes [YES]  0 - No [NO] 9 - Unknown [UNKNOWN] | NUM |
| WORK\_OUT\_INCU\_WHERE\_CMAV | > Where did the case work? | 1 - Indoors [INDOORS] 2 - Outdoors [OUTDOORS] 3 - Both [BOTH] 9 - Unknown [UNKNOWN] | NUM |
| ZIP\_CMAV | Abbreviated Zipcode of patient  Zip code | 5 digit zip  99999=Unknown | CHAR |

## Appendix Table: Meta Data for COB\_CODE\_CMAV

|  |  |
| --- | --- |
| **Value** | **Description** |
|  | Afghanistan= 1 |
|  | Aland Islands = 2 |
|  | Albania = 3 |
|  | Algeria = 4 |
|  | American Samoa = 5 |
|  | Angola = 6 |
|  | Anguilla = 7 |
|  | Antigua and Barbuda = 8 |
|  | Argentina = 9 |
|  | Armenia = 10 |
|  | Australia = 11 |
|  | Austria = 12 |
|  | Azerbaijan = 13 |
|  | Bahamas = 14 |
|  | Bahrain = 15 |
|  | Bangladesh = 16 |
|  | Barbados = 17 |
|  | Belarus = 18 |
|  | Belgium = 19 |
|  | Belize = 20 |
|  | Bermuda = 21 |
|  | Bhutan = 22 |
|  | Bolivia = 23 |
|  | Bosnia and Herzegovina = 24 |
|  | Bouvet Island = 25 |
|  | Brazil = 26 |
|  | British Indian Ocean Territory = 27 |
|  | British Virgin Islands = 28 |
|  | Bulgaria = 29 |
|  | Burkina Faso = 30 |
|  | Burundi = 31 |
|  | Cabo Verde = 32 |
|  | Cambodia = 33 |
|  | Cameroon = 34 |
|  | Canada = 35 |
|  | Cayman Islands = 36 |
|  | Central African Republic = 37 |
|  | Chile = 38 |
|  | China = 39 |
|  | Colombia = 40 |
|  | Congo = 41 |
|  | Costa Rica = 42 |
|  | Cote d'Ivoire = 43 |
|  | Croatia = 44 |
|  | Cuba = 45 |
|  | Czech Republic = 46 |
|  | Democratic Peoples Republic of Korea = 47 |
|  | Denmark = 48 |
|  | Djibouti = 49 |
|  | Dominica = 50 |
|  | Dominican Republic = 51 |
|  | Ecuador = 52 |
|  | Egypt = 53 |
|  | El Salvador = 54 |
|  | Eritrea = 55 |
|  | Estonia = 56 |
|  | Ethiopia = 57 |
|  | Finland = 58 |
|  | France = 59 |
|  | Gabon = 60 |
|  | Gambia = 61 |
|  | Georgia = 62 |
|  | Germany = 63 |
|  | Ghana = 64 |
|  | Greece = 65 |
|  | Grenada = 66 |
|  | Guadeloupe = 67 |
|  | Guatemala = 68 |
|  | Guinea = 69 |
|  | Guinea-Bissau = 70 |
|  | Guyana = 71 |
|  | Haiti = 72 |
|  | Honduras = 73 |
|  | Hong Kong = 74 |
|  | Hungary = 75 |
|  | Iceland = 76 |
|  | India = 77 |
|  | Indonesia = 78 |
|  | Iran = 79 |
|  | Iraq = 80 |
|  | Ireland = 81 |
|  | Israel = 82 |
|  | Italy = 83 |
|  | Jamaica = 84 |
|  | Japan = 85 |
|  | Jersey = 86 |
|  | Jordan = 87 |
|  | Kazakhstan = 88 |
|  | Kenya = 89 |
|  | Kuwait = 90 |
|  | Lao Peoples Democratic Republic = 91 |
|  | Latvia = 92 |
|  | Lebanon = 93 |
|  | Liberia = 94 |
|  | Libya = 95 |
|  | Lithuania = 96 |
|  | Macao = 97 |
|  | Macedonia = 98 |
|  | Malawi = 99 |
|  | Malaysia = 100 |
|  | Mexico = 101 |
|  | Moldova = 102 |
|  | Montenegro = 103 |
|  | Montserrat = 104 |
|  | Morocco = 105 |
|  | Mozambique = 106 |
|  | Myanmar = 107 |
|  | Namibia = 108 |
|  | Nepal = 109 |
|  | Netherlands = 110 |
|  | New Zealand = 111 |
|  | Nicaragua = 112 |
|  | Niger = 113 |
|  | Nigeria = 114 |
|  | Norway = 115 |
|  | Pakistan = 116 |
|  | Panama = 117 |
|  | Paraguay = 118 |
|  | Peru = 119 |
|  | Philippines = 120 |
|  | Pitcairn = 121 |
|  | Poland = 122 |
|  | Portugal = 123 |
|  | Qatar = 124 |
|  | Reunion = 125 |
|  | Romania = 126 |
|  | Russian Federation = 127 |
|  | Rwanda = 128 |
|  | Saint Kitts and Nevis = 129 |
|  | Saint Lucia = 130 |
|  | Saint Martin (French part) = 131 |
|  | Saint Vincent and the Grenadines = 132 |
|  | San Marino = 133 |
|  | Saudi Arabia = 134 |
|  | Senegal = 135 |
|  | Sierra Leone = 136 |
|  | Singapore = 137 |
|  | Slovakia = 138 |
|  | Somalia = 139 |
|  | South Africa = 140 |
|  | Spain = 141 |
|  | Sri Lanka = 142 |
|  | Sudan = 143 |
|  | Suriname = 144 |
|  | Sweden = 145 |
|  | Switzerland = 146 |
|  | Syrian Arab Republic = 147 |
|  | Taiwan = 148 |
|  | Tajikistan = 149 |
|  | Tanzania, United Republic of = 150 |
|  | Thailand = 151 |
|  | Togo = 152 |
|  | Tonga = 153 |
|  | Trinidad and Tobago = 154 |
|  | Turkey = 155 |
|  | Turkmenistan = 156 |
|  | Turks and Caicos Islands = 157 |
|  | Uganda = 158 |
|  | Ukraine = 159 |
|  | United Arab Emirates = 160 |
|  | United Kingdom = 161 |
|  | Uruguay = 162 |
|  | Uzbekistan = 163 |
|  | Venezuela = 164 |
|  | Viet Nam = 165 |
|  | Wallis and Futuna = 166 |
|  | Yemen = 167 |
|  | Zambia = 168 |
|  | Zimbabwe = 169 |
| 999 | Unknown = 999 |

# Massachusetts Cancer Registry (PHDMCR.MCR)

| **Variable Name** | **Variable Description** | **Meta Data** | **Format** |
| --- | --- | --- | --- |
| ID | PHD ID | 9 character alphanumeric ID | Char |
| Match\_level\_MCR | CHIA Match level | 1= These are CHIA members that received a high score against the DPH input record. This group includes those that matched all elements of the DPH input record and those that had only one element mismatch. The group 1 individual match determination has been optimized based upon the input elements and their overall weight.  2= This group contains members within the APCD that received a lower score against the DPH input record yet are considered *possible* matches. Candidates in this group could match on as little as SSN or date of birth and first and last name. These candidates are included for completeness. | Num |
| AGE\_MCR | Age at diagnosis | 0= Less than 1 year old; diagnosed in utero 1=1 year old, but less than 2 years 2=120-age in years  999=Unknown | Num |
| BEHAVIOR\_CODE | Code for the behavior of the tumor being reported using ICD-O-3 | 0=Benign 1=Uncertain whether benign or malignant; borderline malignancy; low malignant potential; uncertain malignant potential 2=Carcinoma in situ; intraepithelial; noninfiltrating; noninvasive 3=Malignant | Num |
| BIRTH\_MONTH\_MCR | Month of birth | 1-12  99=missing/unknown | Num |
| BIRTH\_YEAR\_MCR | Year of birth | YYYY | Num |
| CANCER\_TYPE | Seer standard cancer type | 5 digit code 20010-37000 99999=Unknown See [cancer\_type codes](#_Cancer_Type) below | Num |
| DIAGNOSIS\_DATE\_MCR | Date of diagnosis | Date Proxy – count of days between diagnosis date and randomly chosen date in the past  **NOTE: The larger the date proxy, the more recently the event occurred** | Num |
| DIAGNOSIS\_MONTH\_MCR | Month of diagnosis | 1-12  99=Unknown | Num |
| DIAGNOSIS\_YEAR\_MCR | Year of diagnosis | YYYY | Num |
| MARITAL\_MCR | Marital status at diagnosis | 1=Single (never married) 2=Married (including common law) 3=Separated 4=Divorced 5=Widowed 6=Unmarried or Domestic Partner (same sex or opposite sex, registered or unregistered, other than common law marriage) 9=Unknown | Num |
| PAYER\_MCR | Primary payer at diagnosis | 1 = Not insured 2 = Not insured, self-pay 10= Insurance, NOS 20 = Private Insurance: Managed care, HMO, or PPO 21 = Private Insurance: Fee-for-Service 31 = Medicaid 35 = Medicaid - Administered through a Managed Care plan 60 = Medicare/Medicare, NOS 61 = Medicare with supplement, NOS 62 = Medicare - Administered through a Managed Care plan 63 = Medicare with private supplement 64 = Medicare with Medicaid eligibility 65 = TRICARE 66 = Military 67 = Veterans Affairs 68 = Indian/Public Health Service 99 = Insurance status unknown | Num |
| RACE\_MCR | Race/ethnicity | 1 = White non-Hispanic 2 = Black non-Hispanic 3 = Asian/PI non-Hispanic 4 = Hispanic 5 = American Indian or Other  9 = Unknown | Num |
| RES\_ZIP\_MCR | Zip code of residence at diagnosis | 5 digit zip 99999=Unknown | Char |
| RESCODE\_MCR | DPH code for city/town of residence | 1-351  999=Unknown | Num |
| SEX\_MCR | Gender | 1 = Male 2 = Female 3 = Other 9 = Unknown | Num |
| STAGE\_MCR | This is a SEER Summary Stage 2000 code derived from the Collaborative Staging system | 0 = In-situ/Non-invasive  1 = Localized 2 = Regional by direct extension  3 = Regional to lymph nodes  4 = Regional by direct extension and to lymph nodes 5 = Regional  6 = NOS  7= Distant or disseminated 8 = Benign or borderline brain/CNS  9 = Unknown | Num |

| Cancer\_Type | Site Group |  | Cancer\_Type | Site Group |
| --- | --- | --- | --- | --- |
| **Oral Cavity and Pharynx** | |  | **Corpus and Uterus, NOS** | |
| 20010 | Lip |  | 27020 | Corpus Uteri |
| 20020 | Tongue |  | 27030 | Uterus, NOS |
| 20030 | Salivary Gland |  | 27040 | Ovary |
| 20040 | Floor of Mouth |  | 27050 | Vagina |
| 20050 | Gum and Other Mouth |  | 27060 | Vulva |
| 20060 | Nasopharynx |  | 27070 | Other Female Genital Organs |
| 20070 | Tonsil |  | **Male Genital System** | |
| 20080 | Oropharynx |  | 28010 | Prostate |
| 20090 | Hypopharynx |  | 28020 | Testis |
| 20100 | Other Oral Cavity and Pharynx |  | 28030 | Penis |
| **Digestive System** | |  | 28040 | Other Male Genital Organs |
| 21010 | Esophagus |  | **Urinary System** | |
| 21020 | Stomach |  | 29010 | Urinary Bladder |
| 21030 | Small Intestine |  | 29020 | Kidney and Renal Pelvis |
| **Colon excluding Rectum** | |  | 29030 | Ureter |
| 21041 | Cecum |  | 29040 | Other Urinary Organs |
| 21042 | Appendix |  | **Eye and Orbit** | |
| 21043 | Ascending Colon |  | 30000 | **Eye and Orbit** |
| 21044 | Hepatic Flexure |  | **Brain and Other Nervous System** | |
| 21045 | Transverse Colon |  | 31010 | Brain |
| 21046 | Splenic Flexure |  | 31040 | Cranial Nerves Other Nervous System |
| 21047 | Descending Colon |  |
| 21048 | Sigmoid Colon |  | **Endocrine System** | |
| 21049 | Large Intestine, NOS |  | 32010 | Thyroid |
| **Rectum and Rectosigmoid Junction** | |  | 32020 | Other Endocrine including Thymus |
| 21051 | Rectosigmoid Junction |  | **Hodgkin Lymphoma** | |
| 21052 | Rectum |  | 33011 | Hodgkin - Nodal |
| 21060 | Anus, Anal Canal and Anorectum |  | 33012 | Hodgkin - Extranodal |
|  |  |  |  |  |
| **Liver and Intrahepatic Bile Duct** | |  | **Non-Hodgkin Lymphoma** | |
| 21071 | Liver |  | 33041 | NHL - Nodal |
| 21072 | Intrahepatic Bile Duct |  | 33042 | NHL - Extranodal |
| 21080 | Gallbladder |  |
| 21090 | Other Biliary |  | **Myeloma** | |
| 21100 | Pancreas |  | 34000 | Myeloma |
| 21110 | Retroperitoneum |  | **Lymphocytic Leukemia** | |
| 21120 | Peritoneum, Omentum and Mesentery |  | 35011 | Acute Lymphocytic Leukemia |
| 21130 | Other Digestive Organs |  |
| **Respiratory System** | |  | 35012 | Chronic Lymphocytic Leukemia |
| 22010 | Nose, Nasal Cavity and Middle Ear |  | 35013 | Other Lymphocytic Leukemia |
| 22020 | Larynx |  | **Myeloid and Monocytic Leukemia** | |
| 22030 | Lung and Bronchus |  | 35021 | Acute Myeloid Leukemia |
| 22050 | Pleura |  | 35031 | Acute Monocytic Leukemia |
| 22060 | Trachea, Mediastinum and Other Respiratory Organs |  | 35022 | Chronic Myeloid Leukemia |
| **Bones and Joints** | |  | 35023 | Other Myeloid/Monocytic Leukemia |
| 23000 | Bones and Joints |  | **Other Leukemia** | |
| **Soft Tissue including Heart** | |  | 35041 | Other Acute Leukemia |
| 24000 | Soft Tissue including Heart |  | 35043 | Aleukemic, subleukemic and NOS |
| **Skin excluding Basal and Squamous** | |  |
| 25010 | Melanoma of the Skin |  | **Mesothelioma** | |
| 25020 | Other Non-Epithelial Skin |  | 36010 | **Mesothelioma** |
| **Breast** | |  | **Kaposi Sarcoma** | |
| 26000 | **Breast** |  | 36020 | **Kaposi Sarcoma** |
| **Female Genital System** | |  | **Miscellaneous** | |
| 27010 | Cervix Uteri |  | 37000 | **Miscellaneous** |
|  |  |  | **Invalid** | |
|  |  |  | 99999 | **Invalid** |

# Prescription Monitoring Program – PMP (PHDPMP.PMP)

| **Variable Name** | **Variable Description** | **Meta Data** | **Format** |
| --- | --- | --- | --- |
| ID | PHD ID | 9 character alphanumeric ID | Char |
| Match\_level\_PMP | CHIA Match level | 1= These are members within the APCD that received a high score against the DPH input record. Candidates in this group are those that perfectly matched all elements of the DPH input record and those that generally had only one element mismatch. The threshold applied to group 1 candidates has been optimized based upon the input elements and their overall weight in determining a unique individual match.  2= This group contains members within the APCD that received a lower score against the DPH input record yet are considered possible matches. Candidates in this group could match on as little as SSN or date of birth and first name. These candidates are included for completeness. | Num |
| Age\_PMP | Age of patient based on the fill date for this prescription | Age in years. If less than 1 age = 0 (120 is the max age, anything older was set to missing)  999=missing | Num |
| Benzo\_PMP | Is prescription a benzodiazepine? Inclusion criteria below | 0=no 1= yes | Num |
| Bup\_Waiver | Is prescriber buprenorphine waivered?  (in data 2011-2019 only) | \*\*Please note, this variable is only available for data from 2011-2019. Additionally, In April 2021 Buprenorphine waiver guidelines were changed - Practitioners do not need a waiver if they are treating no more than 30 patients at any one time. \*\*  0=No Waiver 1=Waivered  (blank) = data not available, starts in 2020 | Num |
| Buprenorphine\_PMP | Is prescription a buprenorphine product? Inclusion criteria below | 0=no 1= yes | Num |
| BUP\_CAT\_PMP | How is this NDC formulation normally used? (Please note this does not account for off-label usages) | 1=MOUD  2=Pain  9=Missing  99=Not Buprenorphine | Num |
| Business\_Activity | Code for type of registrant (e.g., pharmacy, hospital, prescriber, manufacturer, etc.) | 1=Pharmacy 2=Hospital/clinic 3=Practitioner 4=Teaching institution 5=Researcher or canine handler 6=Midlevels and Misc. 9=Missing | Num |
| Date\_Filled | Date prescription was filled. | Date Proxy – count of days between fill date and randomly chosen date in the past  **NOTE: The larger the date proxy, the more recently the event occurred** | Num |
| Date\_FILLED\_month | Month the rx was filled | Months, 1-12 | Num |
| DATE\_FILLED\_year | Year the rx was filled | Years, YYYY format | Num |
| Date\_Written | Date Rx Written | Date Proxy – count of days between write date and randomly chosen date in the past  **NOTE: The larger the date proxy, the more recently the event occurred** | Num |
| Date\_WRITTEN\_MONTH | Month the RX was written | Months, 1-12 | Num |
| DATE\_WRITTEN\_YEAR | Year the RX was written | Years, YYYY format | Num |
| Days\_Supply | Estimated Number of days the medication will last. | Integer 1-999 | Num |
| DEA\_Class | Indicates the class to which the Drug Enforcement Administration has assigned the product under the Controlled Substances Act of 1970. | 2=Schedule 2 3=schedule 3 4=schedule 4 5=schedule 5 9=Other RX | Num |
| Dose\_Units | Drug Dosage Units Code: Identifies the unit of measure for the quantity dispensed. | 1=Each 2=Milliliters 3=Grams 9=missing | Num |
| Form\_Code | Designates the dosage form or the type of medical supply, with the following codes. | [See code list](#_CODE_LISTS_1) | char |
| generic\_name | Generic name of the product | Text field | char |
| gfc\_Code | Generic Formulation Code: Supplies a unique 6-digit code identifying drugs with common active ingredients, master dosage form, strength, and route of administration. The GFC is not manufacturer or package size specific, and can therefore be used in preparation of drug utilization reports and analysis of generic alternatives for substitution and formulary development. | just Numbers, 6 digits | char |
| Homeless\_PMP | Did patient’s residence address match a known homeless shelter or was prescription written by prescriber who primarily sees homeless patients? | 0=No indication of homeless 1=Homeless based on address match only  2=Homeless based on prescriber only  3=Homeless based on both address and prescriber | Num |
| MME\_Avg | Average daily MME for the prescription | Strength\_Per\_Unit\*(dose/dayssupply)\*MME\_Factor range 0-46080 (no decimal points) Only calculated for opioids  \*\*Values are missing starting in 2021 as the CDC is no longer providing their conversion document\*\* | Num |
| MME\_Rx | Total MME for the prescription | Strength\_Per\_Unit\*Dose\*MME\_Factor range 0-100000 (no decimal points) Only calculated for opioids  \*\*Values are missing starting in 2021 as the CDC is no longer providing their conversion document\*\* | Num |
| NDC | Product ID | Character field holding 11-digit Numeric string | char |
| Opioid\_PMP | Inclusion and Exclusion criteria below | 0=no 1= yes | Num |
| Payment\_Type\_PMP | Classification Code for Payment Type: Code identifying the type of payment, i.e. how it was paid for, if required by the PMP | 1=Private Pay (Cash, Charge, Credit Card) 2=Medicaid 3=Medicare 4=Commercial Insurance 5=Military Installations and VA 6=Workers’ Compensation 7=Indian Nations 99=Other | Num |
| Pharm\_City\_Code | Pharmacy city | 1-351 for valid MA city/town 999=Unknown | Num |
| Pharm\_DEA | DEA Number Identifier assigned to the pharmacy by the Drug Enforcement Administration. | 9-character ID 2 alpha following by 7 Numeric i.e., AB1234567 | char |
| Pharm\_Name | Name of pharmacy | Text field | char |
| Pharm\_NCPDP | First 7 characters of the ASAP NCPDP/NABP Provider ID field. Identifier assigned to pharmacy by the National Council for Prescription Drug Programs. Used if required by the PMP. | Character field holding 7-digit Numeric string | char |
| Pharm\_NPI | National Provider Identifier (NPI). Identifier assigned to the pharmacy by CMS. Used if required by the PMP. | Character field holding 10-digit Numeric string | char |
| Pharm\_State | Pharmacy state | 2-character state abbreviation | char |
| Pharm\_Zip | Pharmacy zip code | 5-digit zip 99999=Unknown | char |
| Pregabalin\_PMP | Is prescription a pregabalin product? Inclusion criteria below | 0=no 1= yes | Num |
| Presc\_City\_Code | City | 1-351 for valid MA city/town 999=Unknown | Num |
| PRESC\_DEA | Prescriber DEA Number. | 9-character ID 2 alpha following by 7 Numeric i.e. AB1234567 | Char |
| Presc\_Degree | Professional degree of the provider. | 1=MD 2=DO 3=Dentist 4=Podiatrist 5=Pharmacist 6=Optometrist 7=Mid-level provider (NP, PA, APN, etc.)  \*If presc\_degree is 7 but presc\_role (in PHDPMP.PMP\_RS) has a different value (like an MD), defer to presc\_role. Missing values were assigned a value of 7 as they are almost always a midlevel provider, but presc\_role may have additional information\* | Num |
| PRESC\_NPI | National Provider Identifier (NPI). Identifier assigned to the prescriber by CMS. | Character field holding 10-digit Numeric string  \*This field is available starting in 2020 in PHD data | char |
| Presc\_Zip | Zip code (First 5 characters) | 5-digit zip 99999=Unknown | char |
| Product\_Name | Supplies the name given to the product by the manufacturer. | Text field | char |
| Quantity | Quantity Dispensed: Number of metric units dispensed in metric decimal format. | Numeric value (may include up to 2 decimal places) | Num |
| Refill\_Num | Refill Number: Number of the fill of the prescription. | 0 indicates New Rx 1-99 is the refill Number. | Num |
| Refill\_Written | The Number of refills authorized by the prescriber. | Integer 0-99 | Num |
| Relation\_To\_Patient | Relationship of Person Dropping Off or Picking Up Rx. Code indicating the relationship of the person, if required by the PMP | 1=Patient 2=Other | Num |
| Res\_Code\_PMP | City of patient | 1-351 for valid MA city/town 999=Unknown | Num |
| Res\_Zip\_PMP | Abbreviated Zip code of patient | 5-digit zip 99999=Unknown | char |
| ROA\_Code | Route of Administration Code: Identifies the product’s intake or application method. Following are the codes and their interpretation. | [See code list](#_ROA_Code_1) | char |
| Sex\_PMP | Sex of patient | 1=Male 2=Female 9=Unknown | Num |
| Solid\_Liquid | Indicates the product’s composition and appears in all records. | 1=Solid 2=Liquid 9=missing | Num |
| Strength\_Name | Supplies the strength of the product. | Text field | char |
| SubOpioid\_PMP | Categorizes the type of opioid that was prescribed | 1= Butorphanol 2= Codeine 3= Difenoxin 4= Diphenoxylate 5= Eluxadoline 6= FENTANYL 7= Hydrocodone 8= Hydromorphone 9= Levorphanol 10= Meperidine 11= Methadone 12= Morphine 13= Opium 14= Oxycodone 15= Oxymorphone 16= Pentazocine 17= Propoxyphene 18= Tapentadol 19= Tramadol  99= not an opioid | Num |
| Thera\_Class\_Code | Supplies the therapeutic/pharmacologic category of the product. | [See code list](#_ROA_Code) | Num |
| VA\_PMP | Flag for whether or not prescription was filled via VA or had a VA provider | 0=Not VA anything 1= VA Filled Script, VA provider, or VA paid | Num |

## CODE LISTS

| **Form Code** | **Form Desc** | **Form Code** | **Form Desc** |
| --- | --- | --- | --- |
| AF | FOAM (GRAM) | KQ | PASTE (ML) |
| AJ | AEROSOL WITH ADAPTER (GRAM) | KW | CREAM WITH APPLICATOR |
| AL | AMPUL FOR NEBULIZATION (ML) | LK | TABLET, ORAL ONLY, IR AND ER, BIPHASIC |
| AN | VIAL, NEBULIZER (ML) | LP | LOZENGE ON A HANDLE |
| AO | AEROSOL, BREATH ACTIVATED | LY | TABLET,ORAL ONLY,EXTENDED RELEASE 24 HR |
| AQ | AEROSOL, SPRAY (GRAM) | MA | MUCOADHESIVE SYSTEM,EXTEND.RELEASE 12 HR |
| AS | AEROSOL, SPRAY (ML) | MD | CAPSULE,ORAL ONLY, EXT. RELEASE PELLETS |
| AT | AEROSOL, SPRAY WITH PUMP (ML) | MH | CAPSULE,ORAL ONLY, EXTENDED RELEASE 12HR |
| AU | SPRAY, NON-AEROSOL (ML) | MJ | PATCH,TRANSDERMAL 3 DAY |
| AX | SPRAY, NON-AEROSOL (EA) | MS | TABLET,CHEW,IR AND ER BIPHASIC REL 24HR |
| AY | AEROSOL POWDER, BREATH ACTIVATED (EA) | MW | TABLET,DISINTEGRATING,ER BIPHASIC 24 HR |
| BJ | HFA AEROSOL WITH ADAPTER (GRAM) | MZ | SUSPENSION,IMMED,EXTEN REL BIPHASIC 24HR |
| BK | SPRAY, SUSPENSION | NB | CREAM WITH PERINEAL APPLICATOR |
| BL | SUSP FOR RECON,DELAYED REL. IN A PACKET | NF | CAPSULE SPRINKLE,ER 12 HR(TAMPER RESIST) |
| BN | AEROSOL, SPRAY WITH PUMP (GRAM) | NI | CAPSULE (WITH DELAYED RELEASE TABLETS) |
| BQ | SPRAY, SUSPENSION (ML) | OA | OINTMENT (GRAM) |
| CA | CAPSULE | OM | TABLET, ORAL ONLY, EXTENDED RELEASE |
| CB | CAPSULE, EXTENDED RELEASE 12 HR | OW | OINTMENT WITH APPLICATOR |
| CC | CAPSULE, EXT RELEASE 24 HR | PA | POWDER (GRAM) |
| CD | CAPSULE, WITH INHALATION DEVICE | PC | CRYSTALS |
| CE | CAPSULE,DELAYED RELEASE (ENTERIC COATED) | PG | GRANULES (GRAM) |
| CG | CAPSULE,EXTENDED RELEASE BIPHASIC 30-70 | PI | SOLUTION, RECONSTITUTED, ORAL |
| CH | CAPSULE,EXTENDED RELEASE BIPHASIC 50-50 | PJ | SUSPENSION, EXTENDED RELEASE 12 HR |
| CI | CAPSULE,EXTENDED RELEASE MULTIPHASE 12HR | PK | PATCH, TRANSDERMAL WEEKLY |
| CJ | CAPSULE,EXTENDED RELEASE MULTIPHASE 24HR | PL | CLEANSER (GRAM) |
| CK | CAPSULE, SPRINKLE | PP | PACKET (EA) |
| CN | CAPSULE, EXTENDED RELEASE PELLETS | PQ | PATCH, TRANSDERMAL SEMIWEEKLY |
| CP | CAPSULE, EXTENDED RELEASE PELLETS 24 HR | PR | PATCH, TRANSDERMAL 72 HOURS |
| CR | CAPSULE, EXTENDED RELEASE 24HR | PS | ADHESIVE PATCH, MEDICATED |
| CS | CAPSULE, EXTENDED RELEASE | PV | PATCH, TRANSDERMAL 24 HOURS |
| CT | CAPSULE,EXTENDED-RELEASE 24HR DEGRADABLE | QA | SUPPOSITORY, RECTAL |
| CU | CAPSULE, ER SPRINKLE, BIPHASIC 40-60 | QB | INSERT |
| CX | CAPSULE, DELAYED RELEASE, BIPHASIC | QC | SUPPOSITORY, VAGINAL |
| DB | DROPPERETTE, GEL | QV | RING, VAGINAL |
| DF | CAPSULE, DELAYED, AND EXTENDED RELEASE | QY | CAPSULE, EXTENDED RELEASE TRIPHASIC 24HR |
| DH | GEL, EXTENDED RELEASE (ML) | QZ | SUSPENSION,EXTENDED RELEASE,RECONST.24HR |
| DJ | DROPS, GEL (ML) | RB | EMULSION (GRAM) |
| DL | CAPSULE,EXT.RELEASE 24 HR BIPHASIC 25-75 | RL | LIQUID (GRAM) |
| DN | CAPSULE,EXT.RELEASE 24 HR BIPHASIC 17-83 | RP | DROPS, WITH APPLICATOR (ML) |
| DO | AEROSOL, SPRAY WITH PUMP (EA) | SA | SOLUTION, NON-ORAL |
| DP | DROPPERETTE, SINGLE-USE DROP DISPENSER | SC | SUSPENSION, ORAL (FINAL DOSE FORM) |
| EA | EACH | SE | ELIXIR |
| ET | PADS, MEDICATED (EA) | SF | ENEMA (ML) |
| EX | TABLET, EXTENDED RELEASE 24 HR | SJ | SOLUTION, ORAL |
| EY | SOLUTION IN METERED-DOSE PUMP WITH APPL. | SK | LOTION (ML) |
| FF | TABLET, EXTENDED RELEASE 12 HR | SL | LIQUID (ML) |
| FI | FILM, MEDICATED (EA) | SM | MOUTHWASH |
| FJ | TABLET, ORAL ONLY | SN | SUSPENSION, DROPS(FINAL DOSAGE FORM)(ML) |
| FT | TABLET,ORAL ONLY,EXTENDED RELEASE 12 HR | SO | DROPS |
| FZ | CAPSULE SPRINKLE, EXTENDED RELEASE 24 HR | SQ | OIL (ML) |
| GD | SPACER (EA) | SS | SHAMPOO |
| GK | BLISTER, WITH INHALATION DEVICE | ST | SYRUP |
| GN | MIST INHALER (GRAM) | SW | SOLUTION, IRRIGATION |
| GQ | CAPSULE, DELAYED RELEASE SPRINKLE | SX | TINCTURE |
| GR | DROPS, GEL (GRAM) | SY | CONCENTRATE, ORAL |
| GW | NASAL SPRAY SYRINGE (EA) | SZ | LOTION (GRAM) |
| GY | SYRINGE KIT (EA) | TA | TABLET |
| HH | AMPUL (ML) | TB | TABLET, SOLUBLE |
| HI | CARTRIDGE (EA) | TC | TABLET, CHEWABLE |
| HJ | CARTRIDGE (ML) | TE | TABLET, DELAYED RELEASE (ENTERIC COATED) |
| HJ | SYRINGE (ML) | TF | TABLET, EFFERVESCENT |
| HM | INTRAVENOUS SOLUTION | TG | GUM |
| HQ | SYRINGE (ML) | TH | TABLET, HYPODERMIC |
| HS | VIAL (EA) | TI | TABLET, EXTENDED RELEASE 24 HR |
| HV | VIAL (ML) | TL | LOZENGE |
| HX | SYRINGE (EA) | TM | TABLET, EXTENDED RELEASE 12 HR |
| HZ | PLASTIC BAG, INJECTION (ML) | TP | PELLET (EA) |
| IA | IMPLANT (EA) | TQ | TABLET, EXT RELEASE, PARTICLES/CRYSTALS |
| ID | PATIENT CONTROLLED ANALGESIA VIAL | TS | TABLET, EXTENDED RELEASE |
| IG | VIAL WITH THREADED PORT (ML) | TT | TROCHE |
| II | JELLY (ML) | TU | TABLET, SUBLINGUAL |
| IJ | PEN INJECTOR (ML) | UB | TABLET, EXTENDED RELEASE MULTIPHASE |
| IK | PEN INJECTOR KIT (EA) | UD | TABLET, DOSE PACK |
| IO | INSULIN PEN (ML) | UH | TABLET, DOSE PACK, 3 MONTHS |
| IS | AUTO-INJECTOR (ML) | UJ | TABLET,DISINTEGRATING, DELAYED RELEASE |
| IT | AUTO-INJECTOR (EA) | UL | TABLET,DISINTEGRATING |
| JA | JELLY (GRAM) | UP | TABLET,EXTENDED RELEASE MULTIPHASE 24 HR |
| JC | GEL (ML) | UU | TABLET, CHEWABLE DISPERSIBLE |
| JG | GEL (GRAM) | VG | HFA AEROSOL, BREATH ACTIVATED (GRAM) |
| JL | POWDER IN PACKET (EA) | VK | SOLUTION,EXTENDED RELEASE SYRINGE (ML) |
| JP | GEL IN PACKET (GRAM) | VQ | SUSPENSION,EXTENDED RELEASE SYRINGE (EA) |
| JQ | GRANULES IN PACKET (EA) | VS | TABLET FOR SUSPENSION |
| JR | GEL IN METERED-DOSE PUMP | VX | TABLET,SUSTAINED-RELEASE 12 HR |
| JS | GEL-FORMING SOLUTION | YH | NEEDLE, DISPOSABLE |
| JV | GEL WITH APPLICATOR (GRAM) | YK | KIT |
| KA | CREAM (GRAM) | YL | SYRINGE, EMPTY DISPOSABLE |
| KH | CREAM IN PACKET (EA) | YR | STRIP |
| KP | PASTE (GRAM) |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| ROA\_Code | **ROA\_Code Description** | **ROA\_Code** | **ROA\_Code Description** |
| BC | Buccal mucosa | MM | Mucous Membrane |
| DE or DT | Dental | NA | Route Not Applicable |
| EP | Epidural | NS | Nasal |
| IC | Intracavernosal | OP | Ophthalmic |
| ID | Intradermal | OT | Otic |
| IH | Inhalation | PL | Intrapleural |
| IJ | Injection | PO | Oral |
| IL | Urinary bladder | PT | Intraperitoneal |
| IM | Intramuscular | RC | Rectal |
| IN | Intrathecal | SC | Subcutaneous |
| IO | Intraocular | SG | Gingival |
| IP | Implantation | SL | Sublingual |
| IR | Irrigation | SQ | Subcutaneous |
| IT | Intratracheal | TD | Transdermal |
| IU | Intrauterine | TP | Topical application |
| IV | Intravenous | UR | Urethral |
| MC | Miscellaneous | VG | Vaginal |

| Thera\_Class\_Code | **Desc** |
| --- | --- |
| 1 | Amphetamine Derivatives |
| 2 | Amphetamines |
| 3 | Analgesics and Antipyretics, Misc. |
| 4 | Androgens |
| 5 | Anticonvulsants, Miscellaneous |
| 6 | Antidiarrhea Agents |
| 7 | Antiemetics, Miscellaneous |
| 8 | Antimuscarinics /Antispasmodics |
| 9 | Antitussives |
| 10 | Anxiolytics, Sedatives & Hypnotics,Misc. |
| 11 | Barbiturates (Anticonvulsants) |
| 12 | Barbiturates (Anxiolytic, Sedative/Hyp) |
| 13 | Benzodiazepines (Anticonvulsants) |
| 14 | Benzodiazepines (Anxiolytic,Sedativ/Hyp) |
| 15 | Central Nervous System Agents, Misc. |
| 16 | Centrally Acting Skeletal Muscle Relaxnt |
| 17 | General Anesthetics, Miscellaneous |
| 18 | Gi Drugs, Miscellaneous |
| 19 | Local Anesthetics (Eent) |
| 20 | Opiate Agonists |
| 21 | Opiate Partial Agonists |
| 22 | Respiratory And Cns Stimulants |
| 23 | Salicylates |
| 24 | Selective Serotonin Receptor Agonists |
| 25 | Trycyclics & Other Norepineph.-Ru Inhib |
| 26 | Wakefulness-Promoting Agents |
| 99 | Missing |

## Appendix

Benzo\_PMP:

Includes: ALPRAZOLAM, CHLORDIAZEPOXIDE HCL, CHLORDIAZEPOXIDE HCL/METHSCOPOLAMINE NITRATE, CHLORDIAZEPOXIDE/CLIDINIUM BROMIDE, AMITRIPTYLINE HCL/CHLORDIAZEPOXIDE, CLOBAZAM, CLONAZEPAM, CLORAZEPATE DIPOTASSIUM, DIAZEPAM, ESTAZOLAM, FLURAZEPAM HCL, LORAZEPAM, MIDAZOLAM HCL, MIDAZOLAM HCL/PF, OXAZEPAM, QUAZEPAM, TEMAZEPAM, TRIAZOLAM

Buprenorphine\_PMP

Includes: BUPRENORPHINE, BUPRENORPHINE HCL, BUPRENORPHINE HCL/NALOXONE HCL

Opioid\_PMP:   
Excludes: BUPRENORPHINE, BUPRENORPHINE HCL, BUPRENORPHINE HCL/NALOXONE HCL

Includes: BUTORPHANOL TARTRATE, CODEINE PHOSPHATE; CODEINE SULFATE; CODEINE POLISTIREX; DIHYDROCODEINE BITARTRATE, DIFENOXIN HCl, DIPHENOXYLATE HCI, ELUXADOLINE, FENTANYL; FENTANYL CITRATE; FENTANYL CITRATE/PF, HYDROCODONE; HYDROCODONE BITARTRATE; HYDROCODONE POLISTIREX, HYDROMORPHONE HCL; HYDROMORPHONE HCL/PF, LEVORPHANOL TARTRATE, MEPERIDINE HCL; MEPERIDINE HCL/PF, METHADONE HCL, MORPHINE SULFATE, OPIUM/BELLADONNA ALKALOIDS; OPIUM TINCTURE; PAREGORIC, OXYCODONE HCL; OXYCODONE MYRISTATE, OXYMORPHONE HCL, PENTAZOCINE HCL, PROPOXYPHENE HCL; PROPOXYPHENE NAPSYLATE, TAPENTADOL HCL, TRAMADOL HCL

Pregabalin\_PMP

Includes: PREGABALIN

# Prescription Monitoring Program Role Spec (PHDPMP.PMP\_RS)

| **Variable Name** | **Variable Description** | **Meta Data** | **Format** |
| --- | --- | --- | --- |
| Presc\_DEA | Link to the Prescriber DEA Number. | 9-character ID 2 alpha following by 7 Numeric i.e. AB1234567  (Link this variable in PHDPMP.PMP\_RS to same variable in PHDPMP.PMP) | Char |
| Presc\_Role | All current MassPAT users have assigned roles. Legacy users, users prior to MassPAT and not using MassPAT due to job change or other reasons will have no MassPAT role | Text field | Char |
| Presc\_Spec1 | Level 1 specialty of the prescriber | Text field | Char |
| Presc\_Spec2 | Level 2 specialty of the prescriber | Text field | Char |
| Presc\_Spec3 | Level 3 specialty of the prescriber | Text field | Char |

# Spine Demographic Variables (PHDSPINE.DEMO)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Update V13**These preliminary variables have been created to allow for code development. They will be updated as we receive new data, which will likely change the values. Please refer to the “Last Updated” column to determine when each variable was last updated. The following data are NOT yet in the PHD:   |  |  | | --- | --- | | **Dataset and years** | **Anticipated Ready Date** | | MCR (2021-2022) | TBD | | EI (2019-2022) | TBD | | Barnstable HOC, Bristol HOC, Dukes HOC, Nantucket HOC | TBD | | HAV &HCV (2022) | TBD | | | | | |
| **Variable Name** | **Variable Description** | **Meta Data** | **Format** | **Last Updated** |
| ID | PHD ID | 9 character alphanumeric ID | Char | N/A |
| APCD\_MED | Indicates that an individual has at least one medical claim in the PHD’s APCD cut. | 0= there are no medical claims in PHD’s cut of APCD medical associated with this ID  1= there is at least one medical claim in PHD’s cut of APCD medical associated with this ID | Num | 05/09/2024 |
| APCD\_ANYCLAIM | Indicates that an individual has at least one claim (medical, dental, or pharmacy) in the PHD’s APCD cut. | 0= there are no medical, dental, OR pharmacy claims in PHD’s cut of APCD associated with this ID  1= there is at least one medical, dental, OR pharmacy claim in PHD’s cut of APCD associated with this ID | Num | 05/09/2024 |  |
| DISABILITY\_DD | What is the first year on record that this individual met the developmental disability definition? | YYYY 9999 = year missing (but definition met) | Num | 10/02/2024 |
| DISABILITY\_HEAR | What is the first year on record that this individual met the hearing disability definition? | YYYY 9999 = year missing (but definition met) | Num | 10/02/2024 |
| DISABILITY\_ID | What is the first year on record that this individual met the intellectual disability definition? | YYYY 9999 = year missing (but definition met) | Num | 05/09/2024 |
| DISABILITY\_MENTAL | What is the first year on record that this individual met the mental health disability definition? | YYYY 9999 = year missing (but definition met) | Num | 10/02/2024 |
| DISABILITY\_MOBILITY | What is the first year on record that this individual met the mobility disability definition? | YYYY 9999 = year missing (but definition met) | Num | 10/02/2024 |
| DISABILITY\_VISION | What is the first year on record that this individual met the vision disability definition? | YYYY 9999 = year missing (but definition met) | Num | 10/02/2024 |
| DISABILITY\_UNCAT | What is the first year on record that this individual met the uncategorized disability definition? | YYYY 9999 = year missing (but definition met) | Num | 10/02/2024 |
| DISABILITY\_CANCER | What is the first year on record that this individual met the cancer disability definition? | YYYY 9999 = year missing (but definition met) | Num | 05/09/2024 |
| DISABILITY\_CHRONIC | What is the first year on record that this individual met the chronic disability definition? | YYYY 9999 = year missing (but definition met) | Num | 05/09/2024 |
| DISABILITY\_COMBO | What is the first year on record that this individual met the disability definition for one of the following variables: DISABILITY\_DD, DISABILITY\_HEAR, DISABILITY\_ID, DISABILITY\_MENTAL, DISABILITY\_MOBILITY, DISABILITY\_VISION, DISABILITY\_CANCER, DISABILITY\_CHRONIC, or DISABILITY\_UNCAT? | YYYY 9999 = year missing (but definition met) | Num | 10/02/2024 |
| Education | Highest level of education | 1 = HS or less 2 = 13+ years  3= Not of School Age 8= Missing in dataset  9= Not collected  10=Special Education | Num | 05/26/2024 |
| EVER\_INCARCERATED | Has person been incarcerated in MA's DOC or Berkshire, Essex, Franklin, Hampden, Hampshire, Middlesex, Norfolk, Plymouth, Suffolk, or Worcester HOC? | 0=No  1=Yes | Num | 10/02/2024 |
| FINAL\_RE | Resolves an ID to one race/ethnicity value based on a system of tiering the PHD datasets and using revised Vitals Methodology when dealing with multiple values | 1 = White Non-Hispanic  2 = Black non-Hispanic  3 = Asian/PI non-Hispanic  4 = Hispanic  5 = American Indian or Other non-Hispanic  9 = Missing  99=Not an MA resident | Num | 10/02/2024 |
| FINAL\_SEX | Resolves an ID to one sex value based on a system of tiering the PHD datasets | 1=Male  2=Female  9=Missing  99=Not an MA resident | Num | 10/02/2024 |
| FOREIGN\_BORN | Born outside the US? | 0=No  1=Yes  8= Missing in dataset  9= Not collected | Num | 05/26/2024 |
| HOMELESS\_EVER | Has the person been identified as homeless at least once at the time of contact ? | 0=No  1=Yes  2=Yes, living in emergency shelter  3=suspected based on  address or ICD diagnostic code.  4= Reported unstable housing or ICD code for housing instability  5 = not homeless but had been in the past  9=unknown | Num | 10/02/2024 |
| HOMELESS2011 | Was the person identified as homeless during the year 2011? | 0=No  1=Yes  2=Yes, living in emergency shelter  3=suspected based on  address or ICD diagnostic code.  4= Reported unstable housing or ICD code for housing instability  5 = not homeless but had been in the past  9=unknown/missing | Num | 10/02/2024 |
| HOMELESS2012 | Was the person identified as homeless during the year 2012? | 0=No  1=Yes  2=Yes, living in emergency shelter  3=suspected based on  address or ICD diagnostic code.  4= Reported unstable housing or ICD code for housing instability  5 = not homeless but had been in the past  9=unknown |  | 10/02/2024 |
| HOMELESS2013 | Was the person identified as homeless during the year 2013? | 0=No  1=Yes  2=Yes, living in emergency shelter  3=suspected based on  address or ICD diagnostic code.  4= Reported unstable housing or ICD code for housing instability  5 = not homeless but had been in the past  9=unknown | Num | 10/02/2024 |
| HOMELESS2014 | Was the person identified as homeless during the year 2014? | 0=No  1=Yes  2=Yes, living in emergency shelter  3=suspected based on  address or ICD diagnostic code.  4= Reported unstable housing or ICD code for housing instability  5 = not homeless but had been in the past  9=unknown | Num | 10/02/2024 |
| HOMELESS2015 | Was the person identified as homeless during the year 2015? | 0=No  1=Yes  2=Yes, living in emergency shelter  3=suspected based on  address or ICD diagnostic code.  4= Reported unstable housing or ICD code for housing instability  5 = not homeless but had been in the past  9=unknown | Num | 10/02/2024 |
| HOMELESS2016 | Was the person identified as homeless during the year 2016? | 0=No  1=Yes  2=Yes, living in emergency shelter  3=suspected based on  address or ICD diagnostic code.  4= Reported unstable housing or ICD code for housing instability  5 = not homeless but had been in the past  9=unknown | Num | 10/02/2024 |
| HOMELESS2017 | Was the person identified as homeless during the year 2017? | 0=No  1=Yes  2=Yes, living in emergency shelter  3=suspected based on  address or ICD diagnostic code.  4= Reported unstable housing or ICD code for housing instability  5 = not homeless but had been in the past  9=unknown | Num | 10/02/2024 |
| HOMELESS2018 | Was the person identified as homeless during the year 2018? | 0=No  1=Yes  2=Yes, living in emergency shelter  3=suspected based on  address or ICD diagnostic code.  4= Reported unstable housing or ICD code for housing instability  5 = not homeless but had been in the past  9=unknown | Num | 10/02/2024 |
| HOMELESS2019 | Was the person identified as homeless during the year 2019? | 0=No  1=Yes  2=Yes, living in emergency shelter  3=suspected based on  address or ICD diagnostic code.  4= Reported unstable housing or ICD code for housing instability  5 = not homeless but had been in the past  9=unknown | Num | 10/02/2024 |
| HOMELESS2020 | Was the person identified as homeless during the year 2020? | 0=No  1=Yes  2=Yes, living in emergency shelter  3=suspected based on  address or ICD diagnostic code.  4= Reported unstable housing or ICD code for housing instability  5 = not homeless but had been in the past  9=unknown | Num | 10/02/2024 |
| HOMELESS2021 | Was the person identified as homeless during the year 2021? | 0=No  1=Yes  2=Yes, living in emergency shelter  3=suspected based on  address or ICD diagnostic code.  4= Reported unstable housing or ICD code for housing instability  5 = not homeless but had been in the past  9=unknown | Num | 10/02/2024 |
| HOMELESS2022 | Was the person identified as homeless during the year 2022? This flag is incomplete, missing DHCD, EI, ,BIRTH, DEATH, HAV, HCV, MOUD, 6 months APCD and 3 months Case Mix. | 0=No  1=Yes  2=Yes, living in emergency shelter  3=suspected based on  address or ICD diagnostic code.  4= Reported unstable housing or ICD code for housing instability  5 = not homeless but had been in the past  9=unknown | Num | 10/02/2024 |
| HOMELESS2023 | Was the person identified as homeless during the year 2022? This flag is incomplete, based on data from DTA, BSAS, COVID MIIS, MATRIS, WIC\_KID, WIC\_MOM PMP And partial Case Mix | 0=No  1=Yes  2=Yes, living in emergency shelter  3=suspected based on  address or ICD diagnostic code.  4= Reported unstable housing or ICD code for housing instability  5 = not homeless but had been in the past  9=unknown | Num | 10/02/2024 |
| INDUSTRY\_CODE | IS there an industry code for this individual in the PHD | 0=No   1=Yes  9=missing/unknown | Num | 10/02/2024 |
| OCCUPATION\_CODE | Do we have an industry or occupation code? | 0=No  1=Yes  9=missing/unknown | Num | 10/02/2024 |
| INDUSTRY\_MANY | Do we have more than one industry code? | 0=No  1=Yes  9=missing/unknown | Num | 10/02/2024 |
| OCCUPATION\_MANY | Do we have more than one occupation code? | 0=No  1=Yes  9=missing/unknown | Num | 10/02/2024 |
| LANGUAGE | Is a language other than English the primary language?  (if LANGUAGE=2 or 3 see OTHER\_LANG1=OTHER\_LANG3 for specific language) | 0=not provided  1=English only  2=English and another language  3=Another language  9=Unknown/missing | Num | 10/02/2024 |
| OTHER\_LANG1-OTHER\_LANG3 | non-English language spoken | See [OTHER\_LANG](#_OTHER_LANG) | Num | 10/02/2024 |
| NON\_MA | Is this individual likely not an MA resident? | 0= individual found in at least one other dataset (including the APCD datasets that have a zip code variable) 1=individual not found in any existing dataset in PHD | Num | 10/02/2024 |
| RaceEth\_Many | (For those where RaceEth\_Never = 0). Is there more than one race/ethnicity value recorded for this PHD ID across all data sets or within a data set? | 0=No  1= Yes, recorded race or ethnicity changes | Num | 10/02/2024 |
| RaceEth\_Never | Is there no race or ethnicity recorded for this PHD ID across all data sets or within any data sets? | 0=No  1=Yes, no race or ethnicity recorded | Num | 10/02/2024 |
| SELF\_FUNDED | This flags individuals we can find starting in March 2016 and onward in PHD data that we cannot find having an APCD record in March 2016 and onward (but that also had an APCD record in 2014-Feb 2016) - what does that mean? It most likely means they are on a self-funded insurance plan (which no longer is required to report APCD data as of 2016) but that we can tell they are still present in the state after they stopped having visible APCD data | 0=No  1=In state still, but most likely on a self-funded insurance plan so they will not have APCD data | Num | 10/02/2024 |
| Sex\_Many | (For those where Sex\_Never = 0)  Is there more than one sex value recorded for this PHD ID across all data sets or within a data set? | 0=No  1= Yes, recorded sex changes | Num | 10/02/2024 |
| Sex\_Never | Is there no sex recorded for this PHD ID across all data sets or within any data sets? | 0=No  1=Yes, no sex recorded | Num | 10/02/2024 |
| VETERAN | Is the individual a US Veteran? | 0 = No or missing information  1= Yes | Num | 10/02/2024 |
| WRITTEN\_LANG1 | Primary written language | See [OTHER\_LANG](#_OTHER_LANG ) | Num | 02/23/2024 |
| WRITTEN\_LANG2 | Second written language | See [OTHER\_LANG](#_OTHER_LANG ) | Num | 02/23/2024 |
| YOB | Estimated Year of Birth for each ID based on listed age. | YYYY  .= Missing  Years of birth earlier than 1900 have been set to missing. | Num | 10/02/2024 |

\*lang are numeric for top 10 spoken in Massachusetts, then listed alphabetically.

| OTHER\_LANG |  |
| --- | --- |
| 1= | English |
| 2= | Spanish |
| 3= | Portuguese |
| 4= | Chinese |
| 5= | French |
| 6= | Vietnamese |
| 7= | Italian |
| 8= | Russian |
| 9= | Arabic |
| 10= | Greek |
| 11= | Albanian |
| 12= | American Sign Language |
| 13= | Amharic |
| 14= | Armenian |
| 15= | Bengali |
| 16= | Bosnian |
| 17= | Bulgarian |
| 18= | Cambodian |
| 19= | Cantonese |
| 20= | Cape Verdean |
| 21= | Creole |
| 22= | Croatian |
| 23= | Czech |
| 24= | Danish |
| 25= | Dutch |
| 26= | Estonian |
| 27= | Farsi/Iranian/Persian |
| 28= | Finnish |
| 29= | Fulani Fula |
| 30= | Gaelic |
| 31= | German |
| 32= | Gujarati |
| 33= | Haitian Creole |
| 34= | Hawaiian |
| 35= | Hebrew |
| 36= | Hindi |
| 37= | Hmong |
| 38= | Hungarian |
| 39= | Icelandic |
| 40= | Igbo |
| 41= | Indonesian |
| 42= | Japanese |
| 43= | Khmer/Cambodian |
| 44= | Korean |
| 45= | Lao |
| 46= | Latvian |
| 47= | Malaysian |
| 48= | Mandarin |
| 49= | Mandingo\Mandinka |
| 50= | Marathi |
| 51= | Nepali |
| 52= | Norwegian |
| 53= | Other |
| 54= | Phillipine |
| 55= | Polish |
| 56= | Punjabi\Panjabi |
| 57= | Romanian |
| 58= | Serbian-Croatian |
| 59= | Slovak |
| 60= | Slovenian |
| 61= | Somali |
| 62= | Swahili |
| 63= | Swedish |
| 64= | Tagalog |
| 65= | Tagalog/Filipino |
| 66= | Taiwanese |
| 67= | Thai |
| 68= | Tibetan |
| 69= | Tigrigna |
| 70= | Toisanese |
| 71= | Turkish |
| 72= | Twi |
| 73= | Ukrainian |
| 74= | Urdish |
| 75= | Wolof |
| 76= | Wu |
| 77= | Yiddish |
| 78= | Yoruba; |
| 88= | Not available |
| 0= | Not provided |

# Spine MOUD Dataset (PHDSPINE.MOUD)

| **Variable Name** | **Variable Description** | **Meta Data** | **Format** |
| --- | --- | --- | --- |
| ID | PHD ID | 9-character alphanumeric ID | Char |
| DATE\_END\_MOUD | The date this MOUD segment ended | Date Proxy – count of days between the end date of the MOUD segment and randomly chosen date in the past  **NOTE: The larger the date proxy, the more recently the event occurred** | Num |
| DATE\_END\_MONTH\_MOUD | The month when this MOUD segment ended | Month, 1-12 | Num |
| DATE\_END\_YEAR\_MOUD | The year when this MOUD segment ended | Year, YYYY | Num |
| DATE\_START\_MOUD | The date this MOUD segment began | Date Proxy – count of days between the start date of the MOUD segment and randomly chosen date in the past  **NOTE: The larger the date proxy, the more recently the event occurred** | Num |
| DATE\_START\_MONTH\_MOUD | The month when this MOUD segment began | Month, 1-12 | Num |
| DATE\_START\_YEAR\_MOUD | The year when this MOUD segment began | Year, YYYY | Num |
| TYPE\_MOUD | The type of MOUD covered in this segment | 1=Likely Methadone  2=Buprenorphine  3=Naltrexone | Num |

Dataset explanation:

This dataset covers all instances of buprenorphine, methadone, and naltrexone (commonly referred to as Medications for Opioid Use Disorder, or MOUD) found in the PHD (process summary section below details these sources). The segments have a start and end date, as well as the MOUD type that the individual was taking. Within an MOUD type, the segments are non-overlapping in an individual; this means if there is a gap between segments of the same MOUD type within an individual, they may have been experiencing a gap in MOUD use. They may also have been receiving MOUD from a source we do not capture in the PHD. This dataset is complete through the last full year of all datasets used to identify MOUD (currently 2022).

Important Considerations:

* All Naltrexone found in the PHD has been included in this dataset. Naltrexone can be used in the treatment of Alcohol Use Disorder (as well as being a MOUD). To correctly determine if the Naltrexone in this dataset is being used as a MOUD, you MUST establish OUD in an individual prior to the Naltrexone.
* Some of the periods identified as methadone may not actually be methadone. Methadone data in BSAS is determined by a process of elimination as BSAS programs can dispense any of the forms of MOUD. BSAS program records are crossed against sources of Buprenorphine and Naltrexone in the PHD; if no record can be found in either Buprenorphine or Naltrexone sources, then the MOUD being administered is Likely Methadone.
* These records are incomplete for inpatient and residential settings (including hospital stays, incarceration periods, and institutional settings).
* Please note that the segments in this dataset reflect optimal medication adherence.
  1. A record in this dataset means that a prescription has been filled but cannot determine if it was ingested or taken as prescribed.
  2. The prescription data in this dataset has start and end dates that credit remaining supply from an earlier fill. This means if an individual refills a prescription while still having pills left from an earlier fill, the start date of that refill is shifted forward to reflect an individual not starting the new supply until all pills in the original supply are used.

Process Summary:

* Buprenorphine can be found in:
  + PMP buprenorphine data (limited to where BUP\_CAT\_PMP=1 and there is at least 1 day of supply)
  + APCD records
    - Medical Claims where one of the following HCPCS codes was identified: G2068, G2069, G2070, G2072, G2079, J0570, J0571, J0572, J0573, J0574, J0575, J0592, Q9991, Q9992
    - Pharmacy Claims with any of the NDCs identified from the PMP dataset as being buprenorphine for MOUD and where there is at least 1 day of supply.
  + BSAS records of MOUD while in an HOC indicate that an individual was receiving Buprenorphine.
* Naltrexone
  + APCD records
    - Medical Claims where one of the following HCPCS codes was identified: J2315, G2073 or one of the following ICD 10 Procedure codes was identified: HZ84ZZZ, HZ94ZZZ
    - Pharmacy Claims with any of the NDCs identified in the appendix below and where there is at least 1 day of supply.
  + BSAS records of MOUD while in an HOC indicate that an individual was receiving Naltrexone.
  + DOC records that an individual was enrolled in the MATRI program.
* Methadone
  + APCD records
    - Medical Claims where one of the following HCPCS codes was identified: H0020, G2067, G2078, S0109 or one of the following ICD 10 Procedure codes was identified: HZ81ZZZ, HZ91ZZZ
  + BSAS MOUD program records where buprenorphine and naltrexone have been ruled out.
  + BSAS records of MOUD while in an HOC indicate that an individual was receiving Methadone.

Appendix:

Naltrexone National Drug Codes:

54868557400, 54569913900, 54569672000, 50090307600, 50090286600, 16729008101, 16729008110, 52152010502, 52152010530, 53217026130, 68084029111, 68084029121, 52152010504, 42291063230, 63629104701, 63629104601, 68115068030, 65694010010, 65694010003, 00904703604, 43063059115, 76519116005, 68094085359, 68094085362, 00185003930, 00185003901, 00406117001, 00406117003, 47335032688, 47335032683, 51224020650, 51224020630, 00555090201, 00555090202, 50436010501, 00056001170, 00056001130, 00056007950, 00056001122, 51285027502, 51285027501, 00056008050, 65757030001, 63459030042

Days covered by procedure code:

| **MOUD Type** | **Procedure Code** | **Days covered** | **Procedure Code Description** |
| --- | --- | --- | --- |
| Buprenorphine | G2068 | 7 | Medication-assisted treatment, buprenorphine (oral) |
| Buprenorphine | G2069 | 28 | Medication-assisted treatment, buprenorphine (injectable) |
| Buprenorphine | G2070 | 180 | Medication-assisted treatment, buprenorphine (implant insertion) |
| Buprenorphine | G2072 | 180 | Medication- assisted treatment, buprenorphine (implant insertion and removal) |
| Buprenorphine | G2079 | 7 | Take-home supply of buprenorphine (oral) |
| Buprenorphine | J0570 | 180 | Buprenorphine implant, 74.2 mg |
| Buprenorphine | J0571 | 1 | Buprenorphine oral 1mg |
| Buprenorphine | J0572 | 1 | Bupren/nal oral up to 3mg bup |
| Buprenorphine | J0573 | 1 | Bupren/nal oral p 3-6mg bup |
| Buprenorphine | J0574 | 1 | Bupren/nal oral up 6-10mg bup |
| Buprenorphine | J0575 | 1 | Bupren/nal oral up >10mg bup |
| Buprenorphine | J0592 | 1 | Injection, buprenorphine hydrochloride, 0.1 mg |
| Buprenorphine | Q9991 | 28 | Injection, buprenorphine extended-release (sublocade), less than or equal to 100 mg |
| Buprenorphine | Q9992 | 28 | Injection, buprenorphine extended-release (sublocade), greater than 100 mg |
| Methadone | G2067 | 7 | Medication-assisted treatment, methadone |
| Methadone | G2078 | 7 | Take-home supply of methadone |
| Methadone | H0020 | 1 (proc modifier is HF or missing)  7 (proc modifier is TV)  14 (proc modifier is UB)  21 (proc modifier is TS)  28 (proc modifier is HG) | methadone administration and/or service (provision of the drug by a licensed program) |
| Methadone | S0109 | 1 | Methadone, oral, 5 mg |
| Methadone | HZ81ZZZ | 1 | Medication Management for Substance Abuse Treatment, Methadone Maintenance |
| Methadone | HZ91ZZZ | 1 | Pharmacotherapy for Substance Abuse Treatment, Methadone Maintenance |
| Naltrexone | G2073 | 28 | Medication-assisted treatment, naltrexone |
| Naltrexone | J2315 | 28 | Injection, naltrexone, depot form, 1 mg |
| Naltrexone | HZ84ZZZ | 1 | Medication Management for Substance Abuse Treatment, Naltrexone |
| Naltrexone | HZ94ZZZ | 1 | Pharmacotherapy for Substance Abuse Treatment, Naltrexone |

Datasets used:

* PHDAPCD.MEDICAL
* PHDAPCD.PHARMACY
* PHDBSAS.BSAS
* PHDBSAS.HOCMOUD
* PHDBSAS.HOCMOUD\_DIS
* PHDBSAS.HOCMOUD\_PERIOD
* PHDDOC.DOC
* PHDPMP.PMP

# Opioid-related Overdoses and Overdose Deaths (PHDSPINE.OVERDOSE)

| **Variable Name** | **Variable Description** | **Metadata** | **Format** |
| --- | --- | --- | --- |
| ID | Project Specific ID | 9-character alphanumeric ID | Char |
| OD\_COUNT | Overdose count by the individual represented by this record. (OD\_COUNT spans from 2013-2020 in MATRIS, 2011-2020 in Casemix, and 2011-2020 in DEATH datasets) | Count | Num |
| FATAL\_OD\_DEATH | Was this opioid-related overdose fatal? (2011-2020 data included) | 0-No  1=Yes | Num |
| OD\_DATE | Date proxy opioid-related overdose occurred | SAS date | Num |
| OD\_YEAR | Year opioid-related overdose occurred | YYYY | Num |
| OD\_MONTH | Month opioid-related overdose occurred | 1-12 | Num |
| OD\_DEATH\_DATE | Date proxy of Opioid-related overdose death | YYYY | Num |
| OD\_DEATH\_YEAR | Year of opioid-related overdose death | YYYY | Num |
| OD\_DEATH\_MONTH | Month of opioid-related overdose death | 1-12 | Num |
| OD\_AGE | Age at time of overdose | count | Num |
| OD\_RACE | Reported race | 1 = White non-Hispanic  2 = Black non-Hispanic  3 = Asian/PI non-Hispanic  4 = Hispanic  5 = American Indian or Other  9 = Missing/unknown | Num |
| OD\_RES\_CODE | ZCTA at time of overdose. | 1-351 for valid MA city/town 999=Unknown | Char |

**\*OD\_COUNT includes 2013-2021 in MATRIS, 2013-2021 in Case Mix, and 2013-2021 dates in DEATH**

**Code to create OD variables**

*NOTE: This dataset is updated when all three component datasets add a new year.*

\* Opioid-related overdose using in CM, Matris, and Death ;

\* Check CM and MATRIS to FLAG single OD, and then add opioid-related overdose deaths;

1. phdcm.oo

2. phdcm.ed & phdcm.ed\_diag

3. phdcm.hd & phdcm.hd\_diag

4. Combine all casemix and check for ODs same day and 1 day apart between datasets

4. phdems.matris

5. Combine CM and Matris, remove CM event the day after as dup

6. phddeath.death - overdose death counted as final OD and deaths are flagged.

7. check for deaths 0-3 days after cm/matris overdose, assumed to be same event so add death record to overdose(will be 0-3 days later) and count as only one overdose. Where an overdose occurred 1-3 days before death both the overdose date and death dates are in the same record and counted as one overdose.

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/  
\*FIND OD diagnoses in PHD, (only counted once per dataset);  
  
\*OD ICD codes;  
%let ICD\_OD = ("T400X1A", "T400X2A", "T400X3A", "T400X4A", "T400X1D", "T400X2D", "T400X3D",  
"T400X4D", "T401X1A", "T401X2A", "T401X3A", "T401X4A", "T401X1D",  
"T401X2D", "T401X3D", "T401X4D", "T402X1A", "T402X2A", "T402X3A",  
"T402X4A", "T402X1D", "T402X2D", "T402X3D", "T402X4D", "T403X1A",  
"T403X2A", "T403X3A", "T403X4A", "T403X1D", "T403X2D", "T403X3D",  
"T403X4D", "T404X1A", "T404X2A", "T404X3A", "T404X4A", "T404X1D",  
"T404X2D", "T404X3D", "T404X4D", /\*new in 2021\*/

"T40411A", "T40411D", "T40412A", "T40412D", "T40413A", "T40413D", "T40414A",

"T40414D", "T40421A", "T40421D", "T40422A", "T40422D",

"T40423A", "T40423D", "T40424A", "T40424D", “T40491A”, “T40491D”, “T40492A”, “T40492D”,

“T40493A”, “T40493D”, “T40494A”, “T40494D”

"T40601A", "T40601D", "T40602A",  
"T40602D", "T40603A", "T40603D", "T40604A", "T40604D", "T40691A",   
"T40692A", "T40693A", "T40694A", "T40691D", "T40692D", "T40693D",   
"T40694D", "96500", "96501", "96502", "96509",   
", "E8500", "E8501", "E8502");  
  
  
  
/\*1 OO \*/  
Data OO;  
Set PHDCM.OO (Keep=ID OO\_DIAG1-OO\_DIAG16   
 OO\_PRINCIPALEXTERNAL\_CAUSECODE   
 OO\_ADMIT\_DATE OO\_ADMIT\_MONTH OO\_ADMIT\_YEAR OO\_DISCHARGE\_DATE OO\_RES\_ZIP OO\_RACE OO\_AGE OO\_EDADMIT);   
  
OD\_OO=0;  
ODD\_OO=0;  
  
array DIAG $ OO\_DIAG1-OO\_DIAG16;  
  
do i=1 to 16;  
if DIAG(i) IN &ICD\_OD then OD\_OO = OD\_OO + 1;  
end;  
  
if OO\_PRINCIPALEXTERNAL\_CAUSECODE in &ICD\_OD then OD\_OO=OD\_OO+1;  
  
\*visits that came from ED;  
if OO\_EDADMIT=2 then OO\_ADMIT=1;  
  
if OD\_OO=0 then delete;   
  
rename OO\_ADMIT\_DATE=OD\_DATE  
 OO\_ADMIT\_MONTH=OD\_MONTH   
 OO\_ADMIT\_YEAR=OD\_YEAR;  
  
drop i OO\_DIAG1-OO\_DIAG16   
 OO\_PRINCIPALEXTERNAL\_CAUSECODE  
 OO\_EDADMIT;  
run;   
  
  
/\*2 ED\*/   
proc sql;  
create table ED as   
select ID, 1 as OD\_ED, ED\_ADMIT\_DATE AS OD\_DATE, COUNT(\*) as n, ED\_ADMIT\_MONTH AS OD\_MONTH, ED\_ADMIT\_YEAR AS OD\_YEAR, ED\_ID,   
ED\_DISCHARGE\_DATE, ED\_RES\_ZIP, ED\_AGE, ED\_RACE  
   
from phdcm.ed   
where ED\_DIAG1 in &ICD\_OD OR ED\_PRINCIPLE\_ECODE in &ICD\_OD  
group by ID, ED\_ID;  
quit;  
  
  
/\* check ED\_DIAG for more diagnoses of ODs GROUP BY ed\_id TO ID DUP RECORDS\*/  
 proc sql;  
 create table ED\_DIAG as  
 select ID, 1 as OD\_ED, COUNT(\*) AS n, ED\_ID  
 from phdcm.ed\_diag  
 where ED\_DIAG in &ICD\_OD  
 GROUP BY ID, ed\_id;  
 quit;  
   
 /\*get OD dates from original PHDCM.ED and add to ED\_DIAG\*/  
 proc SQL;  
 create table ED\_DIAG1 as  
 select B.ID, B.n, a.ED\_ADMIT\_DATE AS OD\_DATE, a.ED\_ADMIT\_MONTH AS OD\_MONTH, a.ED\_ADMIT\_YEAR AS OD\_YEAR,   
 b.ED\_ID, b.OD\_ED, a.ED\_DISCHARGE\_DATE, a.ED\_RACE, a.ED\_RES\_ZIP, a.ED\_AGE  
 from phdcm.ed as a RIGHT JOIN ED\_DIAG as b  
 on a.ed\_id=b.ed\_id;  
 quit;   
  
proc sort data=ED; by id OD\_date ED\_ID;run;  
proc sort data=ed\_diag1; BY id od\_date ED\_ID; RUN;  
  
data ED\_ALL;  
merge ED(in=a) ED\_DIAG1(in=b);  
by id OD\_DATE ED\_ID;  
if a or b;  
drop n ED\_ID;  
run;   
  
  
  
  
proc sql;  
create table HD\_SERV AS  
Select ID, HD\_ID, 1 AS REVCODE, COUNT(\*) AS n, HD\_SERVICE\_REVENUECODE  
FROM PHDCM.HD\_SERV  
WHERE HD\_SERVICE\_REVENUECODE IN("0450", "0451", "0452", "0456", "0459", "0981")  
group by ID, HD\_ID;  
quit;  
  
/\*3 HD\*/  
proc sql;  
create table HD as  
select ID, HD\_ADMIT\_DATE AS OD\_DATE, HD\_ADMIT\_MONTH AS OD\_MONTH,   
HD\_ADMIT\_YEAR AS OD\_YEAR, HD\_ID, HD\_DISCHARGE\_DATE, HD\_EDADMIT, HD\_AGE, HD\_RACE, HD\_RES\_ZIP  
from phdcm.hd  
where (HD\_DIAG1 in &ICD\_OD or   
 HD\_ECODE in &ICD\_OD) ;   
quit;  
  
  
/\*Check DIAG for new ODs and then grab dates\*/  
 proc sql;  
 create table HD\_DIAG AS  
 select ID, COUNT(\*) AS n, HD\_ID  
 from PHDCM.HD\_DIAG  
 where HD\_DIAG in &ICD\_OD  
 group by id, hd\_id;  
 quit;  
   
 proc SQL;  
 create table HD\_DIAG1 as  
 select b.ID, b.n, a.HD\_ADMIT\_DATE AS OD\_DATE, a.HD\_ADMIT\_MONTH AS OD\_MONTH, a.HD\_ADMIT\_YEAR AS OD\_YEAR,   
 b.HD\_ID, a.HD\_EDADMIT, a.HD\_AGE, a.HD\_RACE, a.HD\_RES\_ZIP  
 from phdcm.hd as a Right JOIN HD\_DIAG as b  
 on a.hd\_id=b.hd\_id;  
 quit;  
  
proc sort data=HD\_DIAG1;by id HD\_ID;run;  
proc sort data=HD\_SERV;by id HD\_ID;run;  
  
  
data HD\_DIAG2;  
merge HD\_DIAG1 (in=a) HD\_SERV(in=b);  
by ID HD\_ID;  
if a=1;  
run;  
  
proc sort data=hd; by id od\_date HD\_ID;  
proc sort data=HD\_DIAG2;by ID OD\_DATE HD\_ID;  
   
data HD\_ALL;  
merge HD(in=a) HD\_DIAG2(in=b);  
by id OD\_DATE HD\_ID;  
if a or b;  
  
if HD\_EDADMIT=2 then HD\_ADMIT=1;  
if REVCODE>0 then REV=1;   
  
drop HD\_EDADMIT n HD\_ID REVCODE;  
run;   
   
proc sort data= OO; by id OD\_DATE OO\_DISCHARGE\_DATE;run;  
proc sort data=ED\_all; by id OD\_DATE ED\_DISCHARGE\_DATE;run;  
proc sort data= HD\_all; by id OD\_DATE HD\_DISCHARGE\_DATE;run;  
  
  
\*combine three casemix datasets;  
data od\_cm;  
set ED\_all(in=a) OO(in=b) HD\_ALL(in=c);  
by id OD\_DATE;  
if a or b or c;  
  
OD\_CM=1;  
PRIOR\_ED=lag(OD\_ED);  
PRIOR\_OD\_DATE=LAG(OD\_DATE);  
  
CM\_DIFF=OD\_DATE-PRIOR\_OD\_DATE;  
  
 CM\_OD\_count + 1;  
  
 if first.id then do;   
CM\_od\_count = 1;  
CM\_diff=.;  
end;  
run;  
  
proc freq data=od\_cm;  
where CM\_DIFF IN (0,1);  
tables CM\_DIFF;run;  
  
  
data OD\_CM1;  
set OD\_CM;  
  
if CM\_DIFF in (0,1) then do;  
 if missing (OD\_ED) and prior\_Ed=1 and OO\_ADMIT=1 then dup=1;  
 else if missing(OD\_ED) and prior\_ED=1 and REV=1 then dup=1;  
 end;  
if dup=1 then delete;  
drop   
PRIOR\_ED   
OO\_DISCHARGE\_DATE   
HD\_DISCHARGE\_DATE  
ED\_DISCHARGE\_DATE  
PRIOR\_OD\_DATE  
CM\_DIFF  
dup;  
run;   
  
/\*MATRIS\*/  
data matris;  
set PHDEMS.MATRIS;  
run;  
  
\* subset to ID, incident date, and OD cat;  
proc sql;  
 create table matris\_OD as  
 select ID, inc\_date\_matris as OD\_DATE, 1 as OD\_MATRIS, INC\_DATE\_MATRIS, INC\_MONTH\_MATRIS , INC\_YEAR\_MATRIS, RACE\_MATRIS, RES\_ZIP\_MATRIS, AGE\_MATRIS  
 from matris  
 where opioid\_orisubcat\_matris = 2;   
quit;  
  
proc sort data=matris\_od; by id od\_Date;run;  
  
\*seperate duplicates;  
data matris\_single matris\_dup;  
set matris\_od;  
by id OD\_DATE;  
if first.od\_date   
 then output matris\_single;   
 else output matris\_dup;  
run;  
  
proc sort data=matris\_single; by id OD\_DATE; run;  
proc sort data=matris\_dup; by id OD\_DATE; run;  
proc sort data=OD\_CM1; by id OD\_DATE; run;  
   
data cm\_matris;  
merge Matris\_SINGLE (in=a) OD\_CM1 (in=b);  
if a or b;  
by id OD\_DATE;  
run;  
  
data CM\_MATRIS\_All;  
set CM\_MATRIS(in=a) MATRIS\_DUP(in=b);  
by id od\_Date;  
if a or b;  
run;  
  
proc sort data=CM\_MATRIS\_all;

by ID OD\_DATE descending OD\_MATRIS;

run;  
  
  
/\*Count overdoses\*/  
data CM\_MATRIS1;  
set CM\_MATRIS\_ALL;  
lag=lag(OD\_DATE);   
lag\_matris=lag(OD\_MATRIS);  
  
 od\_count +1;  
by id;  
 if first.id then do;   
 od\_count=1;  
end;  
run;  
  
/\* was there a Matris event the day before indicating same event/record delay?\*/  
data cm\_matris2;  
set cm\_matris1;  
  
\*add flag to make sure only deleting casemix that follows matris;  
if lag\_matris=1 and missing (INC\_DATE\_MATRIS) and OD\_COUNT>1 and OD\_YEAR>0 then   
diff=od\_date-lag;  
 if diff =1 then delete;   
   
if missing(OD\_year) then od\_year=inc\_year\_matris;  
if missing (od\_month) then od\_month=inc\_month\_matris;  
run;  
  
\*where did ods come from after dedup CM? ;  
data cm\_matris3;  
set cm\_matris2;  
  
if OD\_MATRIS>0 and missing(OD\_CM) then OD\_MATRIS\_ONLY=1;  
if OD\_MATRIS>0 AND od\_cm>0 then OD\_BOTH=1;  
if missing(OD\_MATRIS) AND OD\_CM>0 then OD\_CM\_ONLY=1;  
  
drop INC\_YEAR\_MATRIS

INC\_MONTH\_MATRIS   
lag diff

OD\_ED

OD\_OO;   
run;  
   
  
proc freq data=cm\_matris3;  
 tables OD\_BOTH OD\_CM\_ONLY OD\_MATRIS\_ONLY OD\_YEAR ;run;  
   
   
\*add overdose deaths;  
data death;  
set phddeath.death(keep=id opioid\_Death dod month\_Death year\_Death RES\_ZIP\_DEATH AGE\_DEATH RACE\_DEATH );  
where opioid\_death=1;  
OD\_Date=DOD;  
RENAME month\_Death=OD\_DEATH\_MONTH  
year\_Death=OD\_DEATH\_YEAR  
opioid\_Death=FATAL\_OD\_DEATH;  
run;  
  
  
proc sort data=death; by id od\_date; run;  
proc sort data=cm\_matris3; by id od\_date; run;  
  
  
data OD\_DEATH DUP\_OD\_DEATH;  
merge CM\_MATRIS3 (in=a) DEATH(in=b);  
by id OD\_DATE;  
if first.od\_Date then output OD\_DEATH;  
else output DUP\_OD\_DEATH;  
  
drop OD\_COUNT OD\_BOTH OD\_CM\_ONLY OD\_MATRIS\_ONLY  
 OD\_MATRIS INC\_DATE\_MATRIS OD\_CM ODD\_OO  
 OOED\_FLAG HDED\_flag CM\_OD\_COUNT LAG\_MATRIS;  
run;  
  
  
/\*Dedup OD/death, look for death date 1-3 days after overdose indicating same event/record delay\*/  
data od\_death2;  
set DUP\_OD\_DEATH (in=a keep=id OD\_DATE OD\_MONTH OD\_YEAR) od\_death (in=b);  
if a or b;  
by id od\_Date;  
run;  
  
proc sort data=OD\_DEATH2;  
by ID OD\_DATE FATAL\_OD\_DEATH;  
run;  
  
data od\_death3;  
set od\_Death2;  
prior\_OD\_date=lag(OD\_DATE);  
if DOD>0 then Ddiff=DOD-Prior\_OD\_DAte;  
  
 OD\_COUNT + 1;  
by id;  
 if first.id then do;   
od\_count = 1;  
Ddiff=.; \*only count once;  
end;  
run;  
  
\*create flag of fatal overdoses;  
data DUP\_ODs;  
set od\_Death3;  
by id;   
if last.id =1 then do;  
 if Ddiff in (1,2,3) then do;  
 flag=ID;  
 FATAL\_OD\_DEATH=1;   
 FOD\_date=prior\_od\_date;   
 DOD=OD\_DATE;  
 end;  
end;  
if missing (FOD\_date) then delete;  
keep Flag FATAL\_OD\_DEATH DOD FOD\_date OD\_DEATH\_month OD\_Death\_Year;  
run;  
   
  
proc sort data=od\_Death3; by id od\_date;run;  
proc sort data=DUP\_ODs;By FLAG FOD\_DATE;run;  
  
\*delete Deaths counted as overdoses and merge into overdose file;  
data od\_Death4;  
merge od\_death3(in=a) dup\_ods(in=b rename=(flag=ID FOD\_DATE=OD\_DATE));  
by id od\_date;  
 if b=1 then DOD\_flag=1;   
 del\_flag=lag(DOD\_flag);  
 if del\_flag=1 then delete;  
  
 if missing(OD\_MONTH) then OD\_MONTH=OD\_DEATH\_MONTH;  
 if missing (OD\_YEAR) then OD\_YEAR=OD\_DEATH\_YEAR;  
 if missing (FATAL\_OD\_DEATH) then FATAL\_OD\_DEATH=0;  
  
rename DOD=OD\_DEATH\_DATE;  
   
drop   
del\_flag   
dod\_flag   
prior\_od\_date   
ddiff;  
  
\*create OD\_RES\_ZIP, OD\_RACE, and OD\_AGE;  
state=zipstate(Res\_zip\_death);  
State\_ED=zipstate(ED\_RES\_ZIP);  
State\_HD=zipstate(HD\_RES\_ZIP);  
State\_OO=zipstate(OO\_RES\_ZIP);  
State\_M=zipstate(RES\_ZIP\_MATRIS);  
  
if State='MA' and RES\_ZIP\_DEATH ne 99999 then ZIP=RES\_ZIP\_DEATH;  
 else if state\_ED='MA' and ED\_RES\_ZIP ne 99999 then ZIP=ED\_RES\_ZIP;  
 else if state\_HD='MA' and HD\_RES\_ZIP ne 99999 then zip=HD\_RES\_ZIP;  
 else if state\_OO='MA' and OO\_RES\_ZIP ne 99999 then zip=OO\_RES\_ZIP;  
 else if state\_M='MA' and RES\_ZIP\_MATRIS ne 99999 then ZIP=RES\_ZIP\_MATRIS;  
   
   
if RACE\_DEATH IN (1,2,3,4,5) then OD\_RACE=RACE\_DEATH;   
 else if ED\_RACE IN(1,2,3,4,5) then OD\_RACE=ED\_RACE;   
 else if HD\_RACE IN(1,2,3,4,5) then OD\_RACE=HD\_RACE;   
 else if OO\_RACE IN(1,2,3,4,5) then OD\_RACE=OO\_RACE;   
 else if RACE\_MATRIS IN (1,2,3,4,5) then OD\_RACE=RACE\_MATRIS;   
 ELSE OD\_RACE=9;   
drop RACE\_DEATH ED\_RACE HD\_RACE OO\_RACE RACE\_MATRIS;   
   
 you   
if AGE\_DEATH IN (1,2,3,4,5) then OD\_AGE=AGE\_DEATH;   
 else if ED\_AGE IN(1,2,3,4,5) then OD\_AGE=ED\_AGE;   
 else if HD\_AGE IN(1,2,3,4,5) then OD\_AGE=HD\_AGE;   
 else if OO\_AGE IN(1,2,3,4,5) then OD\_AGE=OO\_AGE;   
 ELSE OD\_AGE=9;   
  
drop AGE\_DEATH ED\_AGE HD\_AGE OO\_AGE HD\_ADMIT OO\_AGE OO\_ADMIT HD\_SERVICE\_REVENUECODE rescode;  
if OD\_YEAR=2010 then delete;  
run;

data OD\_DEATH5;

merge OD\_DEATH4(in=a) PHDSPINE.DEMO(Keep=ID FINAL\_RE FINAL\_SEX);

by id;

if a=1;

if OD\_RACE=9 then OD\_RACE=FINAL\_RE;

if OD\_SEX=9 then OD\_SEX=FINAL\_SEX;

if OD\_RACE=99 then OD\_RACE=9;

if missing(OD\_RACE) then OD\_RACE=9;

if OD\_SEX=99 then OD\_SEX=9;

if missing(OD\_SEX) then OD\_SEX=9;

drop FINAL\_RE FINAL\_SEX rev;

run;

\*recalculate count ;

Data OD\_DEATH6;

set OD\_DEATH5(drop= OD\_COUNT);

OD\_COUNT + 1;

by id;

if first.id then do;

od\_count = 1;

end;

run;

data FINALDATASET;

set OD\_DEATH6;

WHERE OD\_YEAR IN(2013:2021); \*these are full years of all components;

if missing(OD\_YEAR) and missing(FATAL\_OD\_YEAR) then delete;

if missing(OD\_RACE) then OD\_RACE=9;

if missing(OD\_SEX) then OD\_SEX=9;

run;

# Postmortem Toxicology Results (PHDTOX.TOX)

| **Variable Name** | **Variable Description** | **Meta Data** | **Format** |
| --- | --- | --- | --- |
| ID | PHD ID | 9 character alphanumeric ID | Char |
| Match\_level\_tox | CHIA Match level | 1= These are members within the APCD that received a high score against the DPH input record. Candidates in this group are those that perfectly matched all elements of the DPH input record and those that generally had only one element mismatch. The threshold applied to group 1 candidates has been optimized based upon the input elements and their overall weight in determining a unique individual match.  2= This group contains members within the APCD that received a lower score against the DPH input record yet are considered *possible* matches. Candidates in this group could match on as little as SSN or date of birth and first and last name. These candidates are included for completeness | Num |
| TOX\_ALCOHOL | Tox results included alcohol | 0=No 1=Yes | Num |
| TOX\_AMPHETAMINE | Tox results included an amphetamine | 0=No 1=Yes | Num |
| TOX\_ANTICONVULSANT | Tox results included an anticonvulsant | 0=No 1=Yes | Num |
| TOX\_ANTIDEPRESSANT | Tox results included an antidepressant | 0=No 1=Yes | Num |
| TOX\_ANTIPSYCHOTIC | Tox results included an antipsychotic | 0=No 1=Yes | Num |
| TOX\_ANXIOLYTIC | Tox results included an anxiolytic | 0=No 1=Yes | Num |
| TOX\_BARBITURATE | Tox results included a barbiturate | 0=No 1=Yes | Num |
| TOX\_BENZODIAZEPINE | Tox results included a benzodiazepine | 0=No 1=Yes | Num |
| TOX\_BUPRENORPHINE | Tox results included buprenorphine | 0=No 1=Yes | Num |
| TOX\_CLONIDINE | Tox results included clonidine | 0=No 1=Yes | Num |
| TOX\_COCAINE | Tox results included cocaine | 0=No 1=Yes | Num |
| TOX\_CODEINE | Tox results included codeine | 0=No 1=Yes | Num |
| TOX\_ECSTASY | Tox results included ecstasy | 0=No 1=Yes | Num |
| TOX\_FENTANYL | Tox results included fentanyl or a fentanyl analog | 0=No 1=Yes | Num |
| TOX\_GABAPENTIN | Tox results included gabapentin | 0=No 1=Yes | Num |
| TOX\_HEROIN\_CONFIRMED | Tox results included heroin (MAM or codeine + morphine) | 0=No 1=Yes | Num |
| TOX\_HEROIN\_LIKELY | Tox results included heroin (morphine included as heroin) | 0=No 1=Yes | Num |
| TOX\_HYDROCODONE | Tox results included hydrocodone | 0=No 1=Yes | Num |
| TOX\_HYDROMORPHONE | Tox results included hydromorphone | 0=No 1=Yes | Num |
| TOX\_KETAMINE | Tox results included ketamine | 0=No 1=Yes | Num |
| TOX\_MAM | Tox results include MAM | 0=No 1=Yes | Num |
| TOX\_MARIJUANA | Tox results included marijuana or THC | 0=No 1=Yes | Num |
| TOX\_METHADONE | Tox results included methadone | 0=No 1=Yes | Num |
| TOX\_METHYLPHENIDATE | Tox results included methylphenidate | 0=No 1=Yes | Num |
| TOX\_MORPHINE | Tox results included morphine | 0=No 1=Yes | Num |
| TOX\_MUSCLERELAXANT | Tox results include a muscle relaxant | 0=No 1=Yes | Num |
| TOX\_NALOXONE | Tox results included naloxone | 0=No 1=Yes | Num |
| TOX\_OPIATE | Tox results included positive test for "opiates" | 0=No 1=Yes | Num |
| TOX\_OXYCODONE | Tox results included oxycodone | 0=No 1=Yes | Num |
| TOX\_OXYMORPHONE | Tox results included oxymorphone | 0=No 1=Yes | Num |
| TOX\_PROMETHAZINE | Tox results included promethazine | 0=No 1=Yes | Num |
| TOX\_RX\_OPI | Tox results included codeine (without morphine), hydromorphone, oxymorphone, hydrocodone, oxycodone, tramadol, or tapentadol | 0=No 1=Yes | Num |
| TOX\_TAPENTADOL | Tox results included tapentadol | 0=No 1=Yes | Num |
| TOX\_TRAMADOL | Tox results included tramadol | 0=No 1=Yes | Num |
| TOX\_ZOLPIDEM | Tox results included zolpidem | 0=No 1=Yes | Num |

# Women, Infants, and Children Program - Infant/Child (PHDWIC.WIC\_KID)

| **Variable Name** | **Variable Description** | **Meta Data** | **Format** |
| --- | --- | --- | --- |
| ID | Project Specific ID | 9 character alphanumeric ID | Char |
| Match\_level\_WIC\_KID | CHIA Match level | 1= These are CHIA members that received a high score against the DPH input record. This group includes those that matched all elements of the DPH input record and those that had only one element mismatch. The group 1 individual match determination has been optimized based upon the input elements and their overall weight.  2= This group contains CHIA members that received a lower matching score yet are considered *possible* matches. These candidates could match on as little as SSN or date of birth and first and last name and are included for completeness. | Num |
| ADJUNCT\_PROOF\_KID | A code denoting the type of proof provided to be adjunctly eligible. | 1=MassHealth Internet 2=MassHealth Phone 3=MassHealth POS - DNU 4=SNAP Income Verification Letter 5=SNAP Printout 6=TAFDC Printout 7=Proof Pending - DNU 8=Active MassHealth EVS 9=DTA Connect App  99=Unknown | Num |
| AGE\_EFFECTIVE\_KID | Participant's age at time certification is effective | Age in years If less than 1 year UNIT=DY  Blank =missing or unknown | Num |
| AGE\_EFFECTIVE\_KID\_UNIT | Unit of age, days or years | DY=days  YR=years  Blank=missing or unknown | Char |
| AGE\_END\_KID | Participant's age at time certification ends | Age in years If less than 1 year, age= days unit=DY  Blank=missing or unknown | Num |
| AGE\_END\_KID\_UNIT | Unit of age, days or years | DY=days  YR=years  Blank=missing or unknown | Char |
| ANTHRO\_MEAS\_DATE\_KID | The date that anthropometric measurements were taken | Date Proxy – count of days between measurement date and randomly chosen date in the past  NOTE: The larger the date proxy, the more recently the event occurred | Num |
| ANTHRO\_MEAS\_MONTH\_KID | The month that anthropometric measurements were taken | 1-12  99=Unknown, missing | Num |
| ANTHRO\_MEAS\_YEAR\_KID | The year that anthropometric measurements were taken | Year, yyyy  9999=unknown, missing | Num |
| BIRTH\_LENGTH\_WIC | The length of the participant at birth | Length in inches  Blank=missing or unknown | Num |
| BIRTH\_WEIGHT\_WIC | The weight of the participant at birth | Weight in ounces  Blank=missing or unknown | Num |
| BLOOD\_DATE\_KID | The date the participant's bloodwork was taken | Date Proxy – count of days between bloodwork date and randomly chosen date in the past  Blank = N/A (not tested) NOTE: The larger the date proxy, the more recently the event occurred | Num |
| BLOOD\_MONTH\_KID | The month the participant's bloodwork was taken | 1-12  99=Unknown/Missing | Num |
| BLOOD\_YEAR\_KID | The year the participant's bloodwork was taken | YYYY  9999= unknown/missing | Num |
| BMI\_KID | Body Mass Index | XXX.X  Blank=missing | Num |
| BREASTFED\_EVER\_WIC | An indicator denoting whether an infant or child has ever breastfed | 0=No 1=Yes  9=Unknown or missing | Num |
| BREASTFED\_SUPP\_WEEKS\_WIC | The number of weeks the participant was when first supplemented breastfeeding | Number of weeks  99= Unknown, missing | Num |
| BREASTFEED\_TERM1\_WIC | A code denoting the reason why breastfeeding was stopped | [See Codes"](#_BREASTFEED_TERM1_WIC) | Num |
| BREASTFEED\_TERM2\_WIC | A code denoting a secondary reason why breastfeeding was stopped | [See Codes"](#_BREASTFEED_TERM2_WIC) | Num |
| CATEGORY\_KID | The participants category | 2=Child  3=Infant  9=Unassigned | Num |
| EFFECTIVE\_DATE\_KID | The date the participants certification became effective | Date Proxy – count of days between certification start date and randomly chosen date in the past  NOTE: The larger the date proxy, the more recently the event occurred | Num |
| EFFECTIVE\_MONTH\_KID | The month the participants certification became effective | 1-12  99=Unknown, missing | Num |
| EFFECTIVE\_YEAR\_KID | The year the participants certification became effective | YYYY  9999= Unknown, missing | Num |
| END\_DATE\_KID | The date the participants certification ended | Date Proxy – count of days between certification end date and randomly chosen date in the past  NOTE: The larger the date proxy, the more recently the event occurred | Num |
| END\_MONTH\_KID | The month the participants certification ended | 1-12  99=Unknown, missing | Num |
| END\_YEAR\_KID | The year the participants certification ended | YYYY  9999=Unknown, Missing | Num |
| ETHNICITY\_WIC\_KID | Ethnic affiliations of a participant | [See Codes](#_ETHNICITY_WIC_MOM_ETHNICITY_WIC_KID) | Num |
| FIRST\_DATE\_KID | The date the participant was first certified | Date Proxy – count of days between first certification and randomly chosen date in the past  NOTE: The larger the date proxy, the more recently the event occurred | Num |
| FIRST\_MONTH\_KID | The month the participant was first certified | 1-12  99=Unknown, missing | Num |
| FIRST\_YEAR\_KID | The year the participant was first certified | YYYY  9999=Unknown, Missing | Num |
| FOOD\_STAMPS\_KID | An indicator denoting whether or not the participant received food stamps at time of determination of WIC eligibility. This means that the proof of WIC eligibility was their receipt of food stamps | 0=No 1=Yes  9=Unknown, missing | Num |
| FORMULA\_SUPP\_WEEKS\_WIC | The number of weeks the infant first had a feeding supplement in the form of formula | Number of weeks, up to 52  Blank=missing or unknown | Num |
| FOSTER\_CARE\_WIC | An indicator denoting whether or not a participant is under foster care | 0=No 1=Yes  9=Unknown or missing | Num |
| GUARDIAN\_WIC | A code denoting the relationship a participant has to their caregiver | 1=Birth Mother 2=Father 3=Adoptive Parent 4=Foster Parent 5=Grandparent 6=Aunt/Uncle 7=Self 8=Other  9=Unknown or missing | Num |
| HEALTH\_CARE\_SOURCE\_KID | A code denoting the source of the participant's health care | [See Codes"](#_HEALTH_CARE_SOURCE_2) | Num |
| HEIGHT\_KID | The height of the participant in inches | Height in inches  Blank=missing or unknown | Num |
| HISPANIC\_KID | An indicator denoting whether or not this participant is Hispanic | 0=No 1=Yes  9=Unknown or missing | Num |
| HOMELESS\_KID | Final homeless indicator for WIC | 0=No 1=Yes 9=Unknown or missing | Num |
| HOUSEHOLD\_KID | The number of people in the participant's household on WIC | Count (1-12)  99=missing or unknown | Num |
| HOUSEHOLD\_SMOKE\_KID | whether anyone in the household other than the participant smokes inside the home | 0=No 1=Yes  9=Unknown or missing | Num |
| HOUSING\_STATUS\_KID | A code denoting the type of residency in which a participant is living | 1=Permanent housing  2=Living with family/friend 3=Living in Shelter 4=No Housing  9=Unknown or missing | Num |
| INF\_BIRTH\_DATE\_WIC | The date the infant(s) were born from a pregnant woman's pregnancy | Date Proxy – count of days between delivery date and randomly chosen date in the past  **NOTE: The larger the date proxy, the more recently the event occurred** | Num |
| INF\_BIRTH\_MONTH\_KID | The month the infant(s) were born from a pregnant woman's pregnancy | 1-12  99=Unknown, missing | Num |
| INF\_BIRTH\_YEAR\_KID | The year the infant(s) were born from a pregnant woman's pregnancy | YYYY  9999= unknown/missing | Num |
| INSURANCE\_ADJUNCT\_KID | A code denoting the type of insurance the participant has that provides adjunct eligibility | 1=Household Member Adjunctive Eligibility 2=Standard 3=Buy-In 4=DNU Prenatal - MassHealth 5=Limited 6=DNU Limited-Healthy Start - MassHealth 7=DNU Basic - MassHealth 8=DNU Essential - MassHealth 9=CommonHealth 10=Family Assistance: MassHealthDNU 11=Limited/CMSP 12=DNU Emergency Aid to Elderly, Disabled, and Children (EAEDC) 13=CarePlus 14=Commonwealth Care with Limited  99=Unknown or missing | Num |
| INSURANCE\_NO\_ADJUNCT\_KID | A code denoting the type of insurance the participant has that does not provide adjunct eligibility | 1=Family Assistance 2=Premium Assistance 3=DNU Purchase of Medical Benefits - MassHealth 4=DNU Commonwealth Care 5=Children Medical Security Plan (CMSP) 6=Uncompensated Care Pool (Free Care) - MassHealth 7=Private Insurance:paid by self or employer 8=Government/Military 9=Workers' Compensation 10=No Health Insurance - Referred to MassHealth 11=No Health Insurance - Self Pay Medical Bills 12=Pending - MassHealth13=Common Health - MassHealth 14=Health Safety Net 15=ConnectorCare Plans 16=CommonHealth  99=Unknown or missing | Num |
| KID\_ID\_WIC | Randomized ID of the participant | 12 digit number | Num |
| LEAD\_DATE\_WIC | The date the blood lead test was performed | Date Proxy – count of days between test date and randomly chosen date in the past  Blank = N/A (not tested) NOTE: The larger the date proxy, the more recently the event occurred | Num |
| LEAD\_MONTH\_WIC | The month the blood lead test was performed | 1-12  99=Missing | Num |
| LEAD\_YEAR\_WIC | The year the blood lead test was performed | YYYY  9999= unknown/missing | Num |
| LEAD\_LEVEL\_WIC | The amount of lead found in a participants blood | Micrograms per deciliter Integer, one decimal place possible Blank=N/A (not tested) | Num |
| LEAD\_TEST\_WIC | An indicator denoting whether or not the participant had a blood lead test | 0=No 1=Yes 9=Unknown or missing | Num |
| MOM\_ID\_WIC | Randomized Participant ID of the participants mother | 12 digit number | Num |
| MOM\_ON\_WIC | An indicator denoting whether or not the participant's mother is on WIC | 0=No 1=Yes  9=Unknown or missing | Num |
| RACE\_WIC\_KID | The participant’s race/ethnicity | 1=White non-Hispanic  2=Black non-Hispanic  3=Asian non-Hispanic  4=Hispanic  5=American Indian or Alaskan Native  9=Unknown or missing | Num |
| RESCODE\_KID | The participant’s physical address city | 1-351 = valid MA city/town 999 = missing/unknown/invalid | Num |
| RES\_ZIP\_KID | The zip code where the participant lives | 5 digit zip code 99999=Unknown | Char |
| SEX\_KID | The participant’s sex | 1=Male 2=Female 9=Unknown or missing | Num |
| TAFDC\_KID | An indicator denoting whether participant participates in TAFDC at the time of WIC eligibility determination. WIC eligibility based on TAFDC status | 0=No 1=Yes  9=Unknown or missing | Num |
| TERM\_CODE\_KID | A code denoting the reason a participant's certification was terminated | [See Codes](#_TERM_CODE) | Num |
| TERM\_DATE\_KID | The date a participant's certification was terminated | Date Proxy: # days between termination date and randomly chosen future date  NOTE: The larger the date proxy, the more recently the event occurred | Num |
| TERM\_MONTH\_KID | The month a participant's certification was terminated | 1-12  Blank=Missing | Num |
| TERM\_YEAR\_KID | The year a participant's certification was terminated | YYYY  9999= unknown/missing | Num |
| VOC\_KID | An indicator denoting whether a participant has had a VOC | 0=No 1=Yes  9=Unknown or missing | Num |
| WEIGHT\_KID | The participant's weight in ounces | Weight in ounces  Blank=missing or unknown | Num |
| YEARLY\_INCOME\_KID | The total yearly income amount for an economic unit | Yearly income  Blank=missing or unknown | Num |

| HEALTH\_CARE\_SOURCE | |
| --- | --- |
| 8=Boston Healthcare for Homeless |  |
| 9=Bowdoin Street Community Health Center | 64=Outer Cape Health Services |
| 10=Baystate Medical Center Health Centers - Brightwood | 65=Private Physician/Group |
| 11=Cambridge Health Alliance - Broadway Health Center | 66=Riverside Health Center - Cambridge |
| 12=Brockton Neighborhood Health Center | 67=Roxbury Comprehensive Community Health Center |
| 13=Brookside Community Health Center | 68=North Shore Community Health Center - Salem |
| 14=Community Health Center of Cape Cod | 69=Cambridge Health Alliance - Somerville Women's Health Center |
| 15=Caring Health Center | 70=South Boston Community Health Center |
| 16=Community Health Programs - Great Barrington | 71=South County Pediatrics |
| 17=City/Town Health Department | 72=South Cove Community Health Center - Quincy |
| 18=Codman Square Health Center | 73=South Cove Community Health Center - Boston |
| 19=Community Health Center of Franklin County | 74=South End Community Health Center |
| 20=Dimock Community Health Center | 75=Southern Jamaica Plain Health Center |
| 21=Dorchester House Multi-Service Center | 76=Springfield Health Services for the Homeless |
| 22=Duffy Health Center | 77=SSTAR Family Healthcare Center |
| 23=East Boston Neighborhood Health Center | 78=North Shore Community Health Center - Peabody |
| 24=Cambridge Health Alliance - East Cambridge Health Center | 79=Tri-River Family Health Center |
| 25=East Somerville Health Center | **80=unknown** |
| 26=Community Health Connections Family Health Center – Fitchburg | 81=Upham's Corner Health Center |
| 27=Family Health Center - Worcester | 82=Wareham Health Center - DNU |
| 28=Framingham Community Health Center - DNU | 83=Whittier Street Health Center |
| 29=Geiger-Gibson Community Health Center | 84=Cambridge Health Alliance - Windsor Street Health Center |
| 30=Great Brook Valley Health Center - DNU | 86 Edward M Kennedy Community Health Center, Framingham |
| 31=Greater Lawrence Family Health Center | 87 Edward M Kennedy Community Health Center, Worcester |
| 32=Greater New Bedford Community Health Center | 100 Community Health Connections Family Health Center, Gardner |
| 33=Greater Roslindale Medical And Dental Center | 101=Community Health Connections Family Health Center, Leominster |
| 34=Harbor Family Health Center | 102=North Shore Community Health Center, Gloucester |
| 35=Harvard Street Neighborhood Health Center | 103=Holyoke Health Center - Chicopee |
| 36=Healthfirst Family Care Center | 104=Manet Community Health Center - Quincy Medical Center |
| 37=Hilltown Community Health Centers | 105=MGH Everett Healthcare Center |
| 38=Holyoke Health Center - Holyoke | 106=Cambridge Health Alliance - Revere Family Health Center |
| 39=Hospital/Outpatient Care | 107=Community Health Programs - Lee |
| 40=Island Health Care - Edgartown | 108=Community Health Programs - Pittsfield |
| 41=Charles River Community Health Center | 109=Cambridge Health Alliance - Cambridge Family Health |
| 42=Lowell Community Health Center | 110=Cambridge Health Alliance - Cambridge Family Health North |
| 43=Lynn Community Health Center | 111=Cambridge Health Alliance - Cambridge Teen Health Center |
| 44=Cambridge Health Alliance, Malden Family Medicine Center | 112=Cambridge Health Alliance - Everett Family Health Center |
| 45=Manet Community Health Center – Germantown | 113=Cambridge Health Alliance - Everett Teen Health Center |
| 46=Manet Community Health Center – Hull | 114=Cambridge Health Alliance - Somerville Teen Connection |
| 47=Manet Community Health Center - N. Quincy | 115=Cambridge Health Alliance - Union Square Family Health |
| 48=Manet Community Health Center – Quincy | 116=Island Health Care - Martha's Vineyard |
| 49=Martha Eliot Health Center | 117=Connecticut River Valley Farmworker Health Program |
| 50=Baystate Medical Center Health Centers - Mason Square | 118=Community Health Programs - Adams |
| 51=Mattapan Community Health Center | 119=Community Health Programs - North Adams |
| 52=MGH Back Bay Healthcare Center | 120=East Boston Neighborhood Health Center - Winthrop |
| 53=MGH Charlestown Healthcare Center | 121=Edward M Kennedy Community Health Center - Milford |
| 54=MGH Chelsea Healthcare Center | 122= Family Health Center - Southbridge |
| 55=MGH North End Community Health Center | 123=Harbor Community Health Center - Hyannis |
| 56=MGH Revere Healthcare Center | 124=Harbor Community Health Center - Harwich |
| 57=Harbor Community Health Center | 125=Harbor Community Health Center - Plymouth |
| 58=Military Facility | 126=Holyoke Health Center - Westfield |
| 59=Neponset Health Center | 127= Manet Community Health Center - Taunton |
| 60=None | 128= South Cove Community Health Center - Malden |
| 61=North Cambridge Health Center | **999=Unknown or Missing** |
| 62=North Shore Community Health Center |  |
| 63=Other Community Health Ctr/DPH Funded Program |  |

| BREASTFEED\_TERM1\_WICBREASTFEED\_TERM2\_WIC |
| --- |
| 1=Baby has teeth |
| 2=Baby not gaining adequate weight |
| 3=Baby refused breast |
| 4=Breast problems (engorgement, etc) |
| 5=Breastfeeding goal met |
| 6=Baby weaned self |
| 7=Embarrassment |
| 8=Health care provider directed |
| 9=Illness and/or medical condition |
| 10=Inconvenient, felt tied down |
| 11=Baby too hungry |
| 12=Just didn't like it |
| 13=Lack of support / encouragement |
| 14=Medication/contraception |
| 15=Milk supply concerns |
| 16=Other |
| 17=Returning to work or school |
| 18=New pregnancy |
| 20=Too tiring, stressful |
| 99=Unknown, Missing |

|  |
| --- |
| TERM\_CODE |
| 2=Over Income |
| 3=Child Turning Age 5 (Auto) |
| 4=Non-Breastfeeding Woman/6 Months Postpartum (Auto) |
| 5=Breastfeeding Woman/1 Year Postpartum (Auto) |
| 8=End of Certification (Auto) |
| 9=Missed Checks (2 Months) (Auto) |
| 10=Transferred Out of State |
| 11=Participant Transferred To Another LP (Auto) |
| 12=Voluntary Withdrawal |
| 13=Deceased |
| 14=Dual Participation |
| 15=Disqualification |
| 16=Error |
| 17=Pregnancy Not Verified (Auto) |
| 18=Miscarriage |
| 19=Left Foster Care/Guardian |
| 20=Severe Illness |
| 21=No Benefactor Letter on File/Zero Income (Auto) |
| 22=Preliminary Certification No Health Record (Auto) |
| 23=EXBF Infant Terminated (Auto) |
| 24=Infant to Child (Auto) |
| 25=Pregnant Woman/6 Weeks Postpartum (Auto) |
| 26=Breastfeeding Woman > 6 months Stops BF |
| 27=Breastfeeding Woman < 6 months Stops BF (Auto) |
| 28=Missed Benefits (2 Months) (Auto) |
| 99=Missing/unknown |

| ETHNICITY\_WIC\_MOM ETHNICITY\_WIC\_KID |
| --- |
| 1=African American |
| 2=African |
| 3=American |
| 4=Asian Indian |
| 5=Brazilian |
| 6=Cambodian |
| 7=Cape Verdean |
| 8=Caribbean Islander |
| 9=Central American (other) |
| 10=Chinese |
| 11=Cuban |
| 12=Dominican |
| 13=Eastern European |
| 14=Filipino |
| 15=Haitian |
| 16=Japanese |
| 17=Korean |
| 18=Laotian |
| 19=Mexican/Mex. Amer./Chicano |
| 20=Middle Eastern |
| 21=European (other) |
| 22=Other |
| 23=Portuguese |
| 24=Puerto Rican |
| 25=Russian |
| 26=Salvadorian |
| 27=South American |
| 28=Vietnamese |
| 29=Unknown |
| 30=Albanian |
| 31=Asian (other) |
| 32=Bengali |
| 33=Burmese |
| 34=Eritrean |
| 35=Ethiopian |
| 36=Ghanaian |
| 37=Nepali |
| 38=Romanian |
| 39=Somali |
| 40=Thai |
| 41=Ukrainian |
| 42=Guatemalan |
| 43=Honduran |
| 99=Missing/unknown |

# Women, Infants, and Children Program – Mom (PHDWIC.WIC\_MOM)

| **Variable Name** | **Variable Description** | **Meta Data** | **Format** |
| --- | --- | --- | --- |
| ID | Project Specific ID | 9 character alphanumeric ID | Char |
| Match\_level\_WIC\_MOM | CHIA Match level | 1= These are CHIA members that received a high score against the DPH input record. This group includes those that matched all elements of the DPH input record and those that had only one element mismatch. The group 1 individual match determination has been optimized based upon the input elements and their overall weight.  2= This group contains members within the APCD that received a lower score against the DPH input record, yet are considered *possible* matches. Candidates in this group could match on as little as SSN or date of birth and first and last name. These candidates are included for completeness. | Num |
| ADJUNCT\_PROOF\_MOM | A code denoting the type of proof provided to be adjunctly eligible. | 1=MassHealth Internet 2=MassHealth Phone 3=MassHealth POS - DNU 4=SNAP Income Verification Letter 5=SNAP Printout 6=TAFDC Printout 7=Proof Pending - DNU 8=Active MassHealth EVS 9=DTA Connect App | Num |
| AGE\_EFFECTIVE\_MOM | Participant's age at time of certification is effective | Age in years  Blank=unknown | Num |
| AGE\_END\_MOM | Participant’s age at the time certification ends | Age in years  Blank=unknown | Num |
| ALC\_NUM\_LAST3MTHS\_WIC | The average number of drinks per week during the last 3 months | Count  Blank=unknown  (data missing in 2020-2023) | Num |
| ALC\_NUM\_PREPREG\_WIC | The average number of drinks per week during the 3 months prior to pregnancy | Count  Blank=unknown | Num |
| ANTHRO\_MEAS\_DATE\_MOM | The date that anthropometric measurements were taken | Date Proxy – count of days between measurement date and randomly chosen date in the past  **NOTE: The larger the date proxy, the more recently the event occurred** | Num |
| ANTHRO\_MEAS\_MONTH\_MOM | The month that anthropometric measurements were taken | 1-12  99=missing/unknown | Num |
| ANTHRO\_MEAS\_YEAR\_MOM | The year that anthropometric measurements were taken | YYYY  9999=missing/unknown | Num |
| BIRTH\_YEAR\_MOM | The year the participant was born | YYYY  9999=missing/unknown | Num |
| BIRTH\_MONTH\_MOM | The month the participant was born | 1-12  99=missing/unknown | Num |
| BLOOD\_DATE\_MOM | The date the participant's bloodwork was taken | Date Proxy – count of days between bloodwork date and randomly chosen date in the past  Blank = N/A (not tested) **NOTE: The larger the date proxy, the more recently the event occurred** | Num |
| BLOOD\_MONTH\_MOM | The month the participant's bloodwork was taken | 1-12  99=missing/unknown | Num |
| BLOOD\_YEAR\_MOM | The year the participant's bloodwork was taken | YYYY  9999=missing/unknown | Num |
| BMI\_MOM | Body Mass Index based on known height and weight – all ages included | XX.XXXX  Blank=missing | Num |
| BREASTFEED\_INTENT\_WIC | A code denoting the mother's intentions when it comes to breastfeeding the baby | 1=Breast Milk 2=Formula 3=Breast Milk and Formula 4=Not Sure  9=Unknown | Num |
| CATEGORY\_MOM | The participants category | 1=Pregnant woman 2=Breastfeeding woman 3=Non-breastfeeding woman 4=Infant 5=Child 9=Unassigned | Num |
| CIG\_NUM\_CURRENT\_WIC | The average number of cigarettes currently smoked per day | Count  Blank=unknown  Data missing in 2020 | Num |
| CIG\_NUM\_LAST3MTHS\_WIC | The average number of cigarettes smoked per day during the last 3 months | Count  Blank=unknown  (data missing in 2020-2023) | Num |
| CIG\_NUM\_PREPREG\_WIC | The average number of cigarettes smoked per day during the 3 months prior to pregnancy | Count  Blank=unknown  Data missing in 2020 | Num |
| EDUCATION\_WIC | A code denoting the number of the grade of school completed by the mother participant | Years of education 0-18 99=unknown | Num |
| EFFECTIVE\_DATE\_MOM | The date the participants certification became effective | Date Proxy – count of days between certification start date and randomly chosen date in the past  **NOTE: The larger the date proxy, the more recently the event occurred** | Num |
| EFFECTIVE\_MONTH\_MOM | The month the participants certification became effective | 1-12  99=Unknown, missing | Num |
| EFFECTIVE\_YEAR\_MOM | The year the participants certification became effective | YYYY  9999=missing/unknown | Num |
| END\_DATE\_MOM | The date the participants certification ended | Date Proxy – count of days between certification end date and randomly chosen date in the past  **NOTE: The larger the date proxy, the more recently the event occurred** | Num |
| END\_MONTH\_MOM | The month the participants certification ended | 1-12  99=Unknown, missing | Num |
| END\_YEAR\_MOM | The year the participants certification ended | YYYY  9999=missing/unknown | Num |
| ETHNICITY\_WIC\_MOM | Ethnic affiliations of a participant | [See code list](#_ETHNICITY_WIC_MOM)  99=unknown, missing | Num |
| EXPECTED\_BIRTHS\_WIC | The number of births expected from a pregnant woman's pregnancy | 1=Single  2=Twins  3=Triplets or more  9=missing/unknown | Num |
| FIRST\_DATE\_MOM | The date the participant was first certified | Date Proxy – count of days between first certification and randomly chosen date in the past  **NOTE: The larger the date proxy, the more recently the event occurred** | Num |
| FIRST\_MONTH\_MOM | The month the participant was first certified | 1-12  99=Unknown, missing | Num |
| FIRST\_YEAR\_MOM | The year the participant was first certified | YYYY  9999=missing/unknown | Num |
| FOOD\_STAMPS\_MOM | An indicator denoting whether or not the participant received food stamps at time of determination of WIC eligibility. This means that the proof of WIC eligibility was their receipt of food stamps. | 0=No 1=Yes  9=missing/unknown | Num |
| GEST\_DIAB\_WIC | An indicator denoting whether or not the participant has gestational diabetes | 0=No 1=Yes 9= unknown | Num |
| HEALTH\_CARE\_SOURCE\_MOM | A code denoting the source of the participant's health care | [See code list](#_BREASTFEED_TERM1_WIC_1) | Num |
| HEIGHT\_MOM | The height of the participant in inches | Height in inches  Blank=unknown | Num |
| HISPANIC\_MOM | An indicator denoting whether or not this participant is Hispanic | 0=No 1=Yes  9=unknown | Num |
| HOMELESS\_MOM | Final homeless indicator for WIC | 0=No 1=Yes 9=unknown | Num |
| HOUSEHOLD\_MOM | The number of people in the participant's household on WIC | Count  Blank= unknown | Num |
| HOUSEHOLD\_SMOKE\_MOM | An indicator denoting whether anyone in the household other than the participant smokes inside the home | 0=No 1=Yes  9=unknown | Num |
| HOUSING\_STATUS\_MOM | A code denoting the type of residency in which a participant is living | 1=permanent housing  2=living with family/friend 3=living in Shelter 4=no Housing  9=unknown | Num |
| HYPERTENSION\_MOM | An indicator denoting whether or not the participant has hypertension | 0=No 1=Yes  9=unknown | Num |
| INSURANCE\_ADJUNCT\_MOM | A code denoting the type of insurance the participant has that provides adjunct eligibility | 1=Household Member Adjunctive Eligibility 2=Standard 3=Buy-In 4=DNU Prenatal - MassHealth 5=Limited 6=DNU Limited-Healthy Start - MassHealth 7=DNU Basic - MassHealth 8=DNU Essential - MassHealth 9=CommonHealth 10=Family Assistance - MassHealth - DNU 11=Limited/CMSP 12=DNU Emergency Aid to Elderly, Disabled, and Children (EAEDC) 13=CarePlus 14=Commonwealth Care with Limited  99=Unknown or missing | Num |
| INSURANCE\_NO\_ADJUNCT\_MOM | A code denoting the type of insurance the participant has that does not provide adjunct eligibility | 1=Family Assistance 2=Premium Assistance 3=DNU Purchase of Medical Benefits - MassHealth 4=DNU Commonwealth Care 5=Children Medical Security Plan (CMSP) 6=Uncompensated Care Pool (Free Care) - MassHealth 7=Private Insurance - Paid By Self or Employer 8=Government/Military 9=Workers' Compensation 10=No Health Insurance - Referred to MassHealth 11=No Health Insurance - Self Pay Medical Bills 12=Pending – MassHealth  13=Common Health - MassHealth 14=Health Safety Net 15=ConnectorCare Plans 16=CommonHealth  99=Unknown or missing | Num |
| MOM\_ID\_WIC | Randomized Participant ID of the mom | 12 digit number | Num |
| PARTICIPANT\_LIVE\_BIRTH\_NUM | The total number of babies born alive to this participant | Count provided through participant questionnaire, accuracy not verified | Num |
| PARTICIPANT\_PREG\_COUNT | The total number of times the participant has been pregnant including the current pregnancy | Count provided through participant questionnaire, accuracy not verified.  Blank=unknown | Num |
| PREG\_OUTCOME\_WIC | A code denoting the outcome of the pregnancy | 1=Live birth 2=Twins 3=Triplets or more 4=Stillborn, Miscarriage, Abortion 5=Neonatal death  9=unknown | Num |
| RACE\_WIC\_MOM | Participant’s race/ethnicity | 1=White non-Hispanic  2=Black non-Hispanic  3=Asian non-Hispanic  4=Hispanic  5=American Indian or Alaskan Native  9=Unknown | Num |
| RES\_CODE\_MOM | The city/town of the participants physical address | 1-351 = valid MA city/town 999 = missing/unknown/invalid | Num |
| RES\_ZIP\_MOM | The zip code component of an address | 5 digit zip code 99999=unknown | Char |
| SEX\_MOM | A code denoting the sex of a participant | 1=Male 2=Female 9=unknown | Num |
| TAFDC\_MOM | An indicator denoting whether a participant participates in TAFDC at the time of determination of WIC eligibility. This means that the reason for WIC eligibility was their TAFDC status | 0=No 1=Yes  9=unknown | Num |
| TERM\_CODE\_MOM | A code denoting the reason why a participant's certification was terminated | [See code list](#_TERM_CODE_MOM_1) | Num |
| TERM\_DATE\_MOM | The date a participant's certification was terminated | Date Proxy – count of days between termination date and randomly chosen date in the past  **NOTE: The larger the date proxy, the more recently the event occurred** | Num |
| TERM\_MONTH\_MOM | The month a participant's certification was terminated | 1-12  99=missing/unknown |  |
| TERM\_YEAR\_MOM | The year a participant's certification was terminated | YYYY  9999=missing/unknown | Num |
| VOC\_MOM | An indicator denoting whether or not a participant has had a VOC | 0=No 1=Yes  9=unknown | Num |
| WEIGHT\_MOM | The participant's weight in ounces | Weight in ounces  Blank=missing | Num |
| YEARLY\_INCOME\_MOM | The total yearly income for an economic unit | Yearly income  Blank=missing | Num |

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|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ETHNICITY\_WIC\_MOM | | | | |
| 1=African American | 11=Cuban | 21=European (other) | 31=Asian (other) | 41=Ukrainian |
| 2=African | 12=Dominican | 22=Other | 32=Bengali | 42=Guatemalan |
| 3=American | 13=Eastern European | 23=Portuguese | 33=Burmese | 43=Honduran |
| 4=Asian Indian | 14=Filipino | 24=Puerto Rican | 34=Eritrean |  |
| 5=Brazilian | 15=Haitian | 25=Russian | 35=Ethiopian |  |
| 6=Cambodian | 16=Japanese | 26=Salvadorian | 36=Ghanaian |  |
| 7=Cape Verdean | 17=Korean | 27=South American | 37=Nepali |  |
| 8=Caribbean Islander | 18=Laotian | 28=Vietnamese | 38=Romanian |  |
| 9=Central American (other) | 19=Mexican/Mex. Amer./Chicano | 29=Unknown | 39=Somali |  |
| 10=Chinese | 20=Middle Eastern | 30=Albanian | 40=Thai |  |

| HEALTH\_CARE\_SOURCE\_MOM | |
| --- | --- |
| 9=Bowdoin Street Community Health Center | 57=Harbor Community Health Center |
| 10=Baystate Medical Center Health Centers - Brightwood | 58=Military Facility |
| 11=Cambridge Health Alliance - Broadway Health Center | 59=Neponset Health Center |
| 12=Brockton Neighborhood Health Center | 60=None |
| 13=Brookside Community Health Center | 61=North Cambridge Health Center |
| 14=Community Health Center of Cape Cod | 62=North Shore Community Health Center |
| 15=Caring Health Center | 63=Other Community Health Ctr/DPH Funded Program |
| 16=Community Health Programs - Great Barrington | 64=Outer Cape Health Services |
| 17=City/Town Health Department | 65=Private Physician/Group |
| 18=Codman Square Health Center | 66=Riverside Health Center - Cambridge |
| 19=Community Health Center of Franklin County | 67=Roxbury Comprehensive Community Health Center |
| 20=Dimock Community Health Center | 68=North Shore Community Health Center - Salem |
| 21=Dorchester House Multi-Service Center | 69=Cambridge Health Alliance - Somerville Women's Health Center |
| 22=Duffy Health Center | 70=South Boston Community Health Center |
| 23=East Boston Neighborhood Health Center | 71=South County Pediatrics |
| 24=Cambridge Health Alliance - East Cambridge Health Center | 72=South Cove Community Health Center - Quincy |
| 25=East Somerville Health Center | 73=South Cove Community Health Center - Boston |
| 26=Community Health Connections Family Health Center - Fitchburg | 74=South End Community Health Center |
| 27=Family Health Center - Worcester | 75=Southern Jamaica Plain Health Center |
| 28=Framingham Community Health Center - DNU | 76=Springfield Health Services for the Homeless |
| 29=Geiger-Gibson Community Health Center | 77=SSTAR Family Healthcare Center |
| 30=Great Brook Valley Health Center - DNU | 78=North Shore Community Health Center - Peabody |
| 31=Greater Lawrence Family Health Center | 79=Tri-River Family Health Center |
| 32=Greater New Bedford Community Health Center | 80=Unknown |
| 33=Greater Roslindale Medical And Dental Center | 81=Upham's Corner Health Center |
| 34=Harbor Family Health Center | 82=Wareham Health Center - DNU |
| 35=Harvard Street Neighborhood Health Center | 83=Whittier Street Health Center |
| 36=Healthfirst Family Care Center | 84=Cambridge Health Alliance - Windsor Street Health Center |
| 37=Hilltown Community Health Centers | 86=Edward M Kennedy Community Health Center - Framingham |
| 38=Holyoke Health Center - Holyoke | 87=Edward M Kennedy Community Health Center - Worcester |
| 39=Hospital/Outpatient Care | 100=Community Health Connections Family Health Center - Gardner |
| 40=Island Health Care - Edgartown | 101=Community Health Connections Family Health Center - Leominster |
| 41=Charles River Community Health Center | 102=North Shore Community Health Center - Gloucester |
| 42=Lowell Community Health Center | 103=Holyoke Health Center - Chicopee |
| 43=Lynn Community Health Center | 104=Manet Community Health Center - Quincy Medical Center |
| 44=Cambridge Health Alliance - Malden Family Medicine Center | 105=MGH Everett Healthcare Center |
| 45=Manet Community Health Center - Germantown | 106=Cambridge Health Alliance - Revere Family Health Center |
| 46=Manet Community Health Center - Hull | 107=Community Health Programs - Lee |
| 47=Manet Community Health Center - N. Quincy | 108=Community Health Programs - Pittsfield |
| 48=Manet Community Health Center - Quincy | 109=Cambridge Health Alliance - Cambridge Family Health |
| 49=Martha Eliot Health Center | 110=Cambridge Health Alliance - Cambridge Family Health North |
| 50=Baystate Medical Center Health Centers - Mason Square | 111=Cambridge Health Alliance - Cambridge Teen Health Center |
| 51=Mattapan Community Health Center | 112=Cambridge Health Alliance - Everett Family Health Center |
| 52=MGH Back Bay Healthcare Center | 113=Cambridge Health Alliance - Everett Teen Health Center |
| 53=MGH Charlestown Healthcare Center | 114=Cambridge Health Alliance - Somerville Teen Connection |
| 54=MGH Chelsea Healthcare Center | 115=Cambridge Health Alliance - Union Square Family Health |
| 55=MGH North End Community Health Center | 116=Island Health Care - Martha's Vineyard |
| 56=MGH Revere Healthcare Center |  |

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| --- | --- | --- |
| BREASTFEEDING\_TERM\_CODE | | |
| 1=Baby has teeth | 8=Health care provider directed | 15=Milk supply concerns |
| 2=Baby not gaining adequate weight | 9=Illness and/or medical condition | 16=Other |
| 3=Baby refused breast | 10=Inconvenient, felt tied down | 17=Returning to work or school |
| 4=Breast problems (engorgement, etc) | 11=Baby too hungry | 18=New pregnancy |
| 5=Breastfeeding goal met | 12=Just didn't like it | 20=Too tiring, stressful |
| 6=Baby weaned self | 13=Lack of support / encouragement | 21=Unknown |
| 7=Embarrassment | 14=Medication/contraception |  |

|  |
| --- |
| TERM\_CODE\_MOM |
| 2=Over Income |
| 3=Child Turning Age 5 (Auto) |
| 4=Non-Breastfeeding Woman/6 Months Postpartum (Auto) |
| 5=Breastfeeding Woman/1 Year Postpartum (Auto) |
| 8=End of Certification (Auto) |
| 9=Missed Checks (2 Months) (Auto) |
| 10=Transferred Out of State |
| 11=Participant Transferred To Another LP (Auto) |
| 12=Voluntary Withdrawal |
| 13=Deceased |
| 14=Dual Participation |
| 15=Disqualification |
| 16=Error |
| 17=Pregnancy Not Verified (Auto) |
| 18=Miscarriage |
| 19=Left Foster Care/Guardian |
| 20=Severe Illness |
| 21=No Benefactor Letter on File/Zero Income (Auto) |
| 22=Preliminary Certification No Health Record (Auto) |
| 23=EXBF Infant Terminated (Auto) |
| 24=Infant to Child (Auto) |
| 25=Pregnant Woman/6 Weeks Postpartum (Auto) |
| 26=Breastfeeding Woman > 6 months Stops BF |
| 27=Breastfeeding Woman < 6 months Stops BF (Auto) |
| 28=Missed Benefits (2 Months) (Auto) |

# Appendix 1: Spine Variable Components

| **Spine Variable** | | | **Description** | **Dataset** | **Variable** | |
| --- | --- | --- | --- | --- | --- | --- |
| APCD\_MED | | | Indicates that an individual has at least one medical claim in the PHD’s APCD cut. | PHDAPCD.MEDICAL | ID | | |
| APCD\_ANYCLAIM | | | Indicates that an individual has at least one claim (medical, dental, or pharmacy) in the PHD’s APCD cut. | PHDAPCD.MEDICAL | ID | |
| PHDAPCD.DENTAL | ID | |
| PHDAPCD.PHARMACY | ID | |
| DISABILITY\_DD | | | What is the first year on record that this individual met the developmental disability definition? | PHDBIRTH.BIRTH\_INFANT | ANOMALY\_ADACTYLY, ANOMALY\_ANENCEPHALY, ANOMALY\_CHD\_CYANOTIC, ANOMALY\_CLEFT, ANOMALY\_CLUB\_FT, ANOMALY\_CHROM\_DISORDER, ANOMALY\_DIAPHRAGMATIC\_HERNIA, ANOMALY\_DOWN, ANOMALY\_GASTRO, ANOMALY\_HYDROCEPH, ANOMALY\_HYPO, ANOMALY\_LIMB\_REDUCTION, ANOMALY\_MENI\_SB, ANOMALY\_OMPH, ANOMALY\_OTHER\_HEART, ANOMALY\_OTHER\_MUSC, ANOMALY\_RECTAL\_ATRESIA, ANOMALY\_RENAL\_AGENESIS, ANOMALY\_TEF\_EA | |
| PHDBSAS.BSAS | CLT\_ENR\_DEVEL\_DIS | |
| PHDDHCD.DHCD | DEV\_DISABILITY\_DHCD | |
| PHDEI.EI\_EVALUATION | ASD\_DIAG\_YEAR  AUTISM\_EI  CNS\_ABNORMAL\_EI  FEEDING\_DIFFICULTY\_EI | |
| PHDAPCD.MEDICAL | MED\_ADM\_DIAGNOSIS, MED\_DIS\_DIAGNOSIS, MED\_ECODE,  MED\_ICD1-MED\_ICD25 | |
| PHDBSAS.HOCMOUD | Mat\_enrol\_21, mat\_enrol\_25\_\_\_5 | |
| PHDBSAS.HOCMOUD\_DIS | mat\_dis\_5a, mat\_dis\_5b, mat\_dis\_5c, mat\_dis\_7\_\_\_7 | |
| DISABILITY\_HEAR | | | What is the first year on record that this individual met the hearing disability definition? | PHDBSAS.BSAS | CLT\_ENR\_HEAR\_IMPAIR | |
| PHDAPCD.MEDICAL | MED\_ADM\_DIAGNOSIS, MED\_DIS\_DIAGNOSIS, MED\_ECODE,  MED\_ICD1-MED\_ICD25, MED\_PROC\_CODE | |
| PHDBSAS.HOCMOUD | Mat\_enrol\_19, mat\_enrol\_25\_\_\_9 | |
| PHDBSAS.HOCMOUD\_DIS | mat\_dis\_5a, mat\_dis\_5b, mat\_dis\_5c, mat\_dis\_7\_\_\_13 | |
| DISABILITY\_ID | | | What is the first year on record that this individual met the intellectual disability definition? | PHDBIRTH.BIRTH\_INFANT | ANOMALY\_ANENCEPHALY, ANOMALY\_CHROM\_DISORDER, ANOMALY\_DOWN, ANOMALY\_HYDROCEPH | |
| PHDEI.EI\_EVALUATION | ASD\_DIAG\_YEAR  AUTISM\_EI  CNS\_ABNORMAL\_EI | |
| PHDAPCD.MEDICAL | MED\_ADM\_DIAGNOSIS, MED\_DIS\_DIAGNOSIS, MED\_ECODE,  MED\_ICD1-MED\_ICD25 | |
| DISABILITY\_MENTAL | | | What is the first year on record that this individual met the mental health disability definition? | PHDBSAS.BSAS | CLT\_ENR\_MH\_TX | |
| PHDDOC.DOC | SMI\_DOC | |
| PHDDMH.DMH | ID | |
| PHDAPCD.MEDICAL | MED\_ADM\_DIAGNOSIS, MED\_DIS\_DIAGNOSIS, MED\_ECODE,  MED\_ICD1-MED\_ICD25, MED\_PROC\_CODE | |
| PHDBSAS.HOCMOUD | Mat\_enrol\_22, mat\_enrol\_25\_\_\_4 | |
| PHDBSAS.HOCMOUD\_DIS | mat\_dis\_5a, mat\_dis\_5b, mat\_dis\_5c, mat\_dis\_7\_\_\_6 | |
| DISABILITY\_MOBILITY | | What is the first year on record that this individual met the mobility disability definition? | | PHDBIRTH.BIRTH\_INFANT | | ANOMALY\_ADACTYLY, ANOMALY\_CLUB\_FT, ANOMALY\_LIMB\_REDUCTION, ANOMALY\_MENI\_SB, ANOMALY\_OTHER\_MUSC |
| PHDBSAS.BSAS | | CLT\_ENR\_MOB\_AID\_MAN\_WC  CLT\_ENR\_MOB\_AID\_NONE  CLT\_ENR\_MOB\_AID\_WALKER  CLT\_ENR\_MOB\_AID\_WC |
| PHDDHCD.DHCD | | PHYS\_DISABILITY\_DHCD |
| PHDAPCD.MEDICAL | | MED\_ADM\_DIAGNOSIS, MED\_DIS\_DIAGNOSIS, MED\_ECODE,  MED\_ICD1-MED\_ICD25, MED\_PROC\_CODE |
| PHDBSAS.HOCMOUD | | mat\_enrol\_17\_\_\_3, mat\_enrol\_17\_\_\_4, mat\_enrol\_17\_\_\_5, mat\_enrol\_17\_\_1 |
| DISABILITY\_VISION | | What is the first year on record that this individual met the vision disability definition? | | PHDAPCD.MHEE | | MHEE\_DISABILITYCODE |
| PHDBSAS.BSAS | | CLT\_ENR\_VISION\_IMPAIR |
| PHDAPCD.MEDICAL | | MED\_ADM\_DIAGNOSIS, MED\_DIS\_DIAGNOSIS, MED\_ECODE,  MED\_ICD1-MED\_ICD25, MED\_PROC\_CODE |
| PHDBSAS.HOCMOUD | | Mat\_enrol\_18, mat\_enrol\_25\_\_\_9 |
| PHDBSAS.HOCMOUD\_DIS | | mat\_dis\_5a, mat\_dis\_5b, mat\_dis\_5c, mat\_dis\_7\_\_\_12 |
| DISABILITY\_UNCAT | | What is the first year on record that this individual met the uncategorized disability definition? | | PHDAPCD.DENTAL | | DENT\_RELATION |
| PHDAPCD.MEDICAL | | MED\_RELATION, MED\_ADM\_DIAGNOSIS, MED\_DIS\_DIAGNOSIS, MED\_ECODE,  MED\_ICD1-MED\_ICD25, MED\_PROC\_CODE |
| PHDAPCD.PHARMACY | | PHARM\_RELATION |
| PHDAPCD.MHEE | | MHEE\_DISABILITYCAT  MHEE\_DISABILITYCODE  MHEE\_DISABILITYAIDCATFLAG  MHEE\_SSIAIDFLAG  MHEE\_KALEIGHMULLIGANAIDFLAG |
| PHDBirth.Birth\_Infant | | ANOMALY\_POLYDAC, ANOMALY\_SYNDACTYLY |
| PHDBSAS.BSAS | | clt\_enr\_self\_care\_impair |
| PHDDHCD.DHCD | | DISABILITY\_DHCD  PHYS\_DISABILITY\_DHCD |
| PHDDTA.DTA | | DISABILITY\_DTA  INELIGIBILITY\_REASON  DIS\_SOURCE\_DTA |
| PHDBSAS.HOCMOUD | | Mat\_enrol\_20, mat\_enrol\_25\_\_\_8 |
| PHDBSAS.HOCMOUD\_DIS | | mat\_dis\_5a, mat\_dis\_5b, mat\_dis\_5c, mat\_dis\_7\_\_\_11 |
| DISABILITY\_CANCER | | What is the first year on record that this individual met the cancer disability definition? | | PHDAPCD.MEDICAL | | MED\_ADM\_DIAGNOSIS, MED\_DIS\_DIAGNOSIS, MED\_ECODE,  MED\_ICD1-MED\_ICD25 |
| PHDMCR.MCR | | ID, BEHAVIOR\_CODE |
| DISABILITY\_CHRONIC | | What is the first year on record that this individual met the chronic disability definition? | | PHDAPCD.MEDICAL | | MED\_ADM\_DIAGNOSIS, MED\_DIS\_DIAGNOSIS, MED\_ECODE,  MED\_ICD1-MED\_ICD25 |
| PHDHIV.HIV\_INC, PHDHIV.HIV\_PREV | | ID |
| PHDBSAS.HOCMOUD\_DIS | | mat\_dis\_5a, mat\_dis\_5b, mat\_dis\_5c |
| DISABILITY\_COMBO | | What is the first year on record that this individual met the disability definition for one of the following variables: DISABILITY\_DD, DISABILITY\_HEAR, DISABILITY\_ID, DISABILITY\_MENTAL, DISABILITY\_MOBILITY, DISABILITY\_VISION, DISABILITY\_CANCER, DISABILITY\_CHRONIC, or DISABILITY\_UNCAT? | | See datasets listed above for DISABILITY\_DD, DISABILITY\_HEAR, DISABILITY\_ID, DISABILITY\_MENTAL, DISABILITY\_MOBILITY, DISABILITY\_VISION, DISABILITY\_CANCER, DISABILITY\_CHRONIC, and DISABILITY\_UNCAT | | See variables listed above for DISABILITY\_DD, DISABILITY\_HEAR, DISABILITY\_ID, DISABILITY\_MENTAL, DISABILITY\_MOBILITY, DISABILITY\_VISION, DISABILITY\_CANCER, DISABILITY\_CHRONIC, and DISABILITY\_UNCAT |
| EDUCATION | | Highest level of Education of individual | | PHDBIRTH.BIRTH\_MOM | | MOTHER\_EDU |
| PHDBSAS.BSAS | | CLT\_ENR\_EDUCATION |
| PHDDEATH.DEATH | | EDU\_DEATH |
| PHDDMH.DMH | | EDUCATION\_DMH |
| PHDDTA.DTA | | EDU\_DTA |
| PHDFETAL.FETALDEATH | | MOTHER\_EDU\_FD |
| PHDWIC.WIC\_MOM | | EDUCATION\_WIC |
| EVER\_INCARCERATED | | Has person been incarcerated in MA's DOC or Berkshire, Essex, Franklin, Hampden, Hampshire, Middlesex, Norfolk, Plymouth, Suffolk, or Worcester HOC? | | PHDDOC.DOC | | ID |
| PHDHOC.HOC | | ID |
| FOREIGN\_BORN | | Born outside the US? | | PHDBIRTH.BIRTH\_MOM | | FOREIGN\_BORN\_BIRTH |
| PHDDEATH.DEATH | | FOREIGN\_BORN\_DEATH |
| PHDFETAL.FETALDEATH | | FOREIGN\_BORN\_FD |
| PHDDMH.DMH | | CITIZEN\_DMH |
| PHDHEPA.HAV | | NON\_US\_BORN\_HAV |
| PHDHEPC.HCV | | NON\_US\_BORN\_HCV |
| HOMELESS\_EVER  HOMELESS2011-HOMELESS2022 | | Has the person been identified as homeless at the time of contact? | | PHDAPCD.PHARMACY | | Medical Supplement |
| PHDAPCD.MEDICAL | | MED\_ECODE MED\_ADM\_DIAGNOSIS |
| MED\_DIS\_DIAGNOSIS |
| MED\_ICD\_PROC1-MED\_ICD\_PROC7 |
| MED\_ICD1-MED\_ICD25 |
| PHDBSAS.BSAS | | CLT\_HOMELESS\_AT\_ENR  CLT\_ENR\_CHRONIC\_HOMELESS |
| PHDBSAS.HOCMOUD | | MAT\_enrol\_5a, MAT\_ENROL\_15 |
| PHDCM.ED  PHDCM.HD | | ED\_HOMELESS ED\_DIAG1  HD\_HOMELESS HD\_DIAG |
| PHDCM.OO | | OO\_HOMELESS OO\_DIAG1-OO\_DIAG11 |
| PHDDEATH.DEATH | | HOMELESS\_DEATH |
| PHDDHCD.DHCD | | RES\_TYPE\_DHCD |
| PHDDMH.DMH | | Living\_Arrangement\_Client\_DMH |
| PHDDMH.DMH\_RAP | | homeless\_RAP\_DMH |
| PHDDTA.DTA | | HOMELESS\_DTA  INELGIBILITY\_REASON |
| PHDEI.EI\_CLIENTS | | HOMELESS\_EI  HOMELESS\_NOW\_EI  HOMELESS\_FAMILY |
| PHDHEPA.HAV | | HOMELESS\_HAV |
| PHDHIV.HIV\_INC | | HOMELESS\_HIV\_INC |
| PHDHIV.HIV\_PRE | | RES\_ZIP\_HIV\_PREV |
| PHDEMS.MATRIS | | HOMELESS\_MATRIS |
| PHDMIIS.COVID | | REP\_PROV\_TYPE\_CMIIS |
| PHDCOVID.COVID\_MAVEN | | HOMELESS\_FLG\_CMAV |
| PHDPMP.PMP | | HOMELESS\_PMP |
| PHDWIC.WIC\_KID | | HOMELESS\_KID  HOUSING\_STATUS\_KID |
| PHDWIC.WIC\_MOM | | HOMELESS\_MOM  HOUSING\_STATUS\_MOM |
| HOMELESS\_HISTORY | | Has the person been homeless at least once in the past? | | PHDBSAS.BSAS | | CLT\_ENR\_CHRONIC\_HOMELESS |
| PHDBSAS.HOCMOUD | | MAT\_enrol\_5a, MAT\_ENROL\_15 |
| PHDDHCD.DHCD | | Homeless\_count\_last3yrs  HOMELESS\_MONTHS\_LAST3YRS  RES-TYPE\_DHCD |
| PHDEI.EI\_CLIENTS | | HOMELESS\_RECENTLY\_EI |
| PHDHEPC.HCV | | EVER\_HOMELESS\_HCV |
| OCCUPATION\_CODE | | Is there at least one occupation code? | | PHDDEATH.DEATH | | BLS\_OCC\_DEATH  CENSUS\_OCC\_DEATH |
| PHDBIRTH.BIRTH | | BLS\_OCC\_BIRTH  CENSUS\_OCC\_BIRTH |
| PHDDIA.DIA | | BLS\_OCC\_DIA  CENSUS\_OCC\_DIA |
| INDUSTRY\_CODE | | Is there at least one industry code? | | PHDDEATH.DEATH | | NAICS\_DEATH |
| PHDBIRTH.BIRTH | | NAICS\_BIRTH |
| PHDDIA.DIA | | NAICS\_DIA |
| OCCUPATIO-N\_MANY | | Is there more than one occupation code? | | PHDDEATH.DEATH | | BLS\_OCC\_DEATH  CENSUS\_OCC\_DEATH |
| PHDBIRTH.BIRTH | | BLS\_OCC\_BIRTH  CENSUS\_OCC\_BIRTH |
| PHDDIA.DIA | | BLS\_OCC\_DIA  CENSUS\_OCC\_DIA |
| INDUSTRY\_MANY | | Is more than one industry code? | | PHDDEATH.DEATH | | NAICS\_DEATH |
| PHDBIRTH.BIRTH | | NAICS\_BIRTH |
| PHDDIA.DIA | | NAICS\_DIA |
| LANGUAGE\_ | | What language does the person speak? English, another language, or English and another language? | | PHDDMH.DMH | | Language\_DMH |
| PHDBIRTH.Birth\_Mom | | LANGUAGE\_SPOKEN |
| PHDDTA.DTA | | LANGUAGE\_DTA |
| PHDEI.EI\_CLIENTS | | PRIMARY\_LANGUAGE\_EI |
| PHDHIV.HIV\_INC | | ENGLISH\_SPEAKing\_hiv |
| PHDBSAS.BSAS\_HOC\_MOUD | | Mat\_dis\_6N |
| OTHER\_LANG1-OTHER\_LANG3 | | If LANGUAGE is not English, what is the language? | | PHDDMH.DMH | | Language\_DMH  Interpreter\_DMH |
| PHDBIRTH.Birth\_Mom | | LANGUAGE\_SPOKEN |
| PHDDTA.DTA | | LANGUAGE\_DTA |
| PHDEI.EI\_CLIENTS | | PRIMARY\_LANGUAGE\_EI |
| PHDHIV.HIV\_INC | | ENGLISH\_SPEAKING\_HIV |
| PHDBSAS.HOCMOUD\_DIS | | Mat\_dis\_6n |
| NON\_MA | | Is this individual likely not an MA resident? | | PHDAPCD.DENTAL | | ID, RES\_ZIP\_APCD\_DENTAL |
| PHDAPCD.MHEE | | ID |
| PHDAPCD.PHARMACY | | ID, RES\_ZIP\_APCD\_PHARM |
| PHDAPCD.ME | | ID, RES\_ZIP\_APCD\_ME |
| PHDAPCD.MEDICAL | | ID, RES\_ZIP\_APCD\_MED |
| PHDBSAS.BSAS, PHDBSAS.HOCMOUD, PHDBSAS.HOCMOUD\_DIS, PHDBSAS.HOCMOUD\_PERIOD, PHDBSAS.HOCSURV | | ID |
| PHDBIRTH.BIRTH\_INFANT, PHDBIRTH.BIRTH\_MOM | | ID |
| PHDCM.ED | | ID |
| PHDCM.HD | | ID |
| PHDCM.OO | | ID |
| PHDDEATH.DEATH | | ID |
| PHDDHCD.DHCD | | ID |
| PHDDIA.DIA | | ID |
| PHDDMH.DMH | | ID |
| PHDDOC.DOC | | ID |
| PHDDTA.DTA | | ID |
| PHDDVS.DVS\_CH115, PHDDVS.DVS\_ANN | | ID |
| PHDEI.EI\_CLIENTS | | ID |
| PHDFETAL.FETALDEATH | | ID |
| PHDHEPA.HAV | | ID |
| PHDHEPC.HCV | | ID |
| PHDHIV.HIV\_PREV | | ID |
| PHDHIV.HIV\_INC | | ID |
| PHDHOC.HOC | | ID |
| PHDEMS.MATRIS | | ID |
| PHDPMP.PMP | | ID |
| PHDTOX.TOX | | ID |
| PHDWIC.WIC\_KID | | ID |
| PHDWIC.WIC\_MOM | | ID |
|  | | PHDBSAS.HOCMOUD | | ID |
| PHDBSAS.HOCSURV | | ID |
| PHDBSAS.HOCMOUD\_DIS | | ID |
| PHDBSAS.HOCMOUD\_PERIOD | | ID |
| RACEETH\_MANY, RACEETH\_NEVER,  FINAL\_RE | | RACEETH\_MANY: (For those where RaceEth\_Never = 0)  Is there more than one race/ethnicity value recorded for this PHD ID across all data sets or within a data set?  RACEETH\_NEVER: Is there no race or ethnicity recorded for this PHD ID across all data sets or within any data sets?  FINAL\_RE: Resolves an ID to one race/ethnicity value based on a system of tiering the PHD datasets and using revised Vitals Methodology when dealing with multiple values | | PHDBIRTH.BIRTH\_INFANT | | MOTHER\_RACE\_BIRTH (from PHDBIRTH.BIRTH\_MOM linked via BIRTH\_LINK\_ID ) |
| PHDBIRTH.BIRTH\_MOM | | MOTHER\_RACE\_BIRTH |
| PHDBSAS.BSAS | | RACE\_BSAS |
| PHDCM.ED | | ED\_RACE |
| PHDCM.HD | | HD\_RACE |
| PHDCM.OO | | OO\_RACE |
| PHDDEATH.DEATH | | RACE\_DEATH |
| PHDDHCD.DHCD | | RACE\_DHCD |
| PHDDOC.DOC | | RACE\_DOC |
| PHDDMH.DMH | | RACE\_DMH |
| PHDDTA.DTA | | RACE\_DTA |
| PHDDVS.DVS\_CH115, PHDDVS.DVS\_ANN | | RACE\_DVS |
| PHDEI.EI\_CLIENTS | | RACE\_EI |
| PHDFETAL.FETALDEATH | | MOTHER\_RACE\_FD |
| PHDHOC.HOC | | RACE\_HOC |
| PHDEMS.MATRIS | | RACE\_MATRIS |
| PHDHEPA.HAV | | RACE\_HAV |
| PHDHEPC.HCV | | RACE\_HCV |
| PHDHIV.HIV\_INC | | RACE\_HIV |
| PHDHIV.HIV\_PRE | | RACE\_HIV |
| PHDMCR.MCR | | RACE\_MCR |
| PHDWIC.WIC\_KID | | RACE\_WIC\_KID |
| PHDWIC.WIC\_MOM | | RACE\_WIC\_MOM |
| SELF\_FUNDED | | This flags individuals we can find since March 2016 in PHD data that we cannot find having an APCD record since March 2016 (but that also had an APCD record in 2014-Feb 2016) - what does that mean? It most likely means they are on a self-funded insurance plan (which no longer is required to report APCD data as of 2016) but that we can tell they are still present in the state after they stopped having visible APCD data | | PHDBIRTH.BIRTH\_INFANT | | ID |
| PHDBIRTH.BIRTH\_MOM | | ID |
| PHDBSAS.BSAS | | ID |
| PHDCM.ED | | ID |
| PHDCM.HD | | ID |
| PHDCM.OO | | ID |
| PHDDEATH.DEATH | | ID |
| PHDDHCD.DHCD | | ID |
| PHDDIA.DIA | | ID |
| PHDDMH.DMH | | ID |
| PHDDOC.DOC | | ID |
| PHDDTA.DTA | | ID |
| PHDDVS.DVS\_CH115, PHDDVS.DVS\_ANN | | ID |
| PHDEI.EI\_CLIENTS, PHDEI.EI\_DISCHARGES | | ID |
| PHDFETAL.FETALDEATH | | ID |
| PHDHEPA.HAV | | ID |
| PHDHEPC.HCV | | ID |
| PHDHIV.HIV\_PREV | | ID |
| PHDHIV.HIV\_INC | | ID |
| PHDHOC.HOC | | ID |
| PHDEMS.MATRIS | | ID |
| PHDMCR.MCR | | ID |
| PHDPMP.PMP | | ID |
| PHDWIC.WIC\_KID | | ID |
| PHDWIC.WIC\_MOM | | ID |
| PHDAPCD.DENTAL | | ID |
| PHDAPCD.MEDICAL | | ID |
| PHDAPCD.PHARMACY | | ID |
| PHDBSAS.HOCMOUD | | ID |
| PHDBSAS.HOCSURV | | ID |
| PHDBSAS.HOCMOUD\_DIS | | ID |
| PHDBSAS.HOCMOUD\_PERIOD | | ID |
| SEX\_MANY  SEX\_NEVER  FINAL\_SEX | | SEX\_MANY:  (For those where Sex\_Never = 0)  Is there more than one sex value recorded for this PHD ID across all data sets or within a data set?  SEX\_NEVER:  Is there no sex recorded for this PHD ID across all data sets or within any data sets?  FINAL\_SEX: Resolves an ID to one sex value based on a system of tiering the PHD datasets | | phdapcd.dental | | dent\_sex |
| phdapcd.medical | | med\_sex |
| phdapcd.pharmacy | | pharm\_sex |
| PHDBirth.Birth\_Infant | | sex\_birth |
| PHDBIRTH.BIRTH\_MOM | | ID (all individuals coded as female) |
| PHDBSAS.BSAS | | SEX\_BSAS |
| PHDCM.ED | | ED\_SEX |
| PHDCM.HD | | HD\_SEX |
| PHDCM.OO | | OO\_SEX |
| PHDDEATH.DEATH | | SEX\_DEATH |
| PHDDHCD.DHCD | | SEX\_DHCD |
| PHDDIA.DIA | | SEX\_DIA |
| PHDDOC.DOC | | SEX\_DOC |
| PHDDMH.DMH | | SEX\_DMH |
| PHDDTA.DTA | | SEX\_DTA |
| PHDDVS.DVS\_CH115, PHDDVS.DVS\_ANN | | SEX\_DVS |
| PHDEI.EI\_CLIENTS | | SEX\_EI |
| PHDFETAL.FETALDEATH | | ID (all individuals coded as female) |
| PHDHOC.HOC | | SEX\_HOC |
| PHDEMS.MATRIS | | SEX\_MATRIS |
| PHDHEPA.HAV | | SEX\_HAV |
| PHDHEPC.HCV | | SEX\_HCV |
| PHDHIV.HIV\_INC | | SEX\_HIV |
| PHDHIV.HIV\_PRE | | SEX\_HIV |
| PHDMCR.MCR | | SEX\_MCR |
| PHDPMP.PMP | | SEX\_PMP |
| PHDWIC.WIC\_KID | | SEX\_KID |
| PHDWIC.WIC\_MOM | | SEX\_MOM |
| PHDBSAS.HOCSURV | | surveil\_a\_5, surveil\_a\_5a |
| PHDBSAS.HOCMOUD | | mat\_enrol\_a5, Mat\_enrol\_7a |
| PHDBSAS.HOCMOUD\_DIS | | mat\_dis\_gender |
| VETERAN | | Is the individual a US Veteran? | | PHDBSAS.BSAS | | CLT\_TYPE\_VETERAN\_BSAS |
| PHDDEATH.DEATH | | VETERAN\_DEATH  SOC\_DEATH  NAICS\_DEATH  CENSUS\_OCC\_DEATH  CENSUS\_IND\_DEATH |
| PHDDTA.DTA | | MILITARY\_SVC\_FLG\_DTA  DIS\_SOURCE\_DTA |
| PHDPMP.PMP | | PHARM\_NAME  PAYMENT\_TYPE\_PMP  VA\_PMP |
| PHDDVS.DVS\_CH115, PHDDVS.DVS\_ANN | | ID |
| APCD (phdapcd.product, phdapcd.provider, phdapcd.dental, phdapcd.pharmacy, phdapcd.medicaL) | | PROD\_PRODUCT\_LINE, PROV\_ENTITY, dent\_insurance\_type, pharm\_insurance\_type, med\_insurance\_type |
| PHDDHCD.DHCD | | veteran\_dhcd |
| PHDDMH.DMH | | veteran\_dmh  DISCHARGE\_DISP\_DMH |
| PHDMCR.MCR | | payer\_mcr |
| phdcm.hd | | HD\_veteranstatus, HD\_PAYERNAME1, HD\_PAYERNAME2 |
| phdcm.Ed | | ED\_PAYSOURCE1, ED\_PAYSOURCE2 |
| phdcm.OO | | OO\_PAYSOURCE1, OO\_PAYSOURCE2 |
| PHDBSAS.HOCSURV | | surveil\_11d |
| PHDBSAS.HOCMOUD | | Mat\_enrol\_11d |
| WRITTEN\_LANG1-Written\_LANG2 | which language does the person write in? | | | PHDBIRTH. PHD\_BIRTH\_MOM | | LANGUAGE\_WRITTEN |
| PHDEI.EI\_CLIENTS | | WRITTEN\_LANGUAGE\_EI |
| YOB | Estimated Year of Birth for each ID based on listed age | | | PHDBSAS.BSAS | | BIRTH\_year\_BSAS |
| PHDDIA.DIA | | BIRTH\_YEAR\_DIA |
| PHDDTA.DTA | | BIRTH\_YEAR\_DTA |
| PHDEI.EI\_CLIENTS | | BIRTH\_YEAR\_EI |
| PHDMCR.MCR | | BIRTH\_YEAR\_MCR |
| PHDWIC.WIC\_MOM | | BIRTH\_YEAR\_MOM |
| PHDWIC.WIC\_KID | | inf\_BIRTH\_YEAR\_wic |
| PHDBIRTH.BIRTH\_INFANT | | year\_birth |
| PHDAPCD.Dental | | DENT\_AGE, DENT\_START\_YEAR |
| PHDAPCD.Medical | | MED\_AGE, MED\_FROM\_DATE\_YEAR |
| PHDAPCD.Pharmacy | | PHARM\_AGE, PHARM\_FILL\_DATE\_YEAR |
| PHDCM.ED | | ED\_AGE, ED\_ADMIT\_YEAR |
| PHDCM.HD | | HD\_AGE, HD\_ADMIT\_YEAR |
| PHDCM.OO | | OO\_AGE, OO\_ADMIT\_YEAR |
| PHDBIRTH.BIRTH\_MOM | | AGE\_BIRTH, YEAR\_BIRTH |
| PHDBSAS.HOCMOUD | | ENROLL\_AGE, ENROLL\_YEAR |
| PHDBSAS.HOCMOUD\_DIS | | mat\_dis\_age, Mat\_dis\_disenroll\_YEAR |
| PHDBSAS.HOCMOUD\_PERIOD | | mat\_period\_1\_AGE, mat\_period\_1\_YEAR |
| PHDBSAS.HOCSURV | | surveil\_enroll\_AGE, surveil\_enroll\_YEAR |
| phdcovid.covid\_maven | | AGE\_DIAGNOSIS\_CMAV, FIRST\_POS\_TEST\_DATE\_YEAR\_CMAV |
| PHDDEATH.DEATH | | AGE\_DEATH, YEAR\_DEATH |
| PHDDHCD.DHCD | | START\_AGE\_DHCD, START\_YEAR\_DHCD |
| PHDDMH.DMH | | AGE\_DMH, ENROLLMENT\_YEAR\_DMH |
| PHDDMH.DMH\_RAP | | Age\_RAP\_DMH, ENROLLMENT\_YEAR\_RAP\_DMH |
| PHDDOC.DOC | | ADMIT\_RECENT\_AGE\_DOC, ADMIT\_RECENT\_YEAR\_DOC |
| PHDDVS.DVS\_CH115 | | AGE\_DVS, BENEFIT\_YEAR\_DVS |
| PHDDVS.DVS\_ANN | | AGE\_DVS, ANNUITY\_YEAR\_DVS |
| PHDEMS.MATRIS | | AGE\_MATRIS, AGE\_UNITS\_MATRIS, INC\_YEAR\_MATRIS |
| PHDFETAL.FETALDEATH | | MOTHER\_AGE\_FD, FETAL\_DEATH\_YEAR |
| PHDHEPA.HAV | | AGE\_HAV, EVENT\_YEAR\_HAV |
| PHDHEPC.HCV | | AGE\_HCV, EVENT\_YEAR\_HCV |
| PHDHIV.HIV\_INC | | AGE\_HIV\_INC, DIAGNOSIS\_YEAR\_HIV |
| PHDHOC.HOC | | AGE\_HOC, rELEASE\_YEAR\_HOC |
| phdmiis.covid | | AGE\_CMIIS, Date\_Admin\_YEAR\_CMIIS |
| PHDPMP.PMP | | AGE\_PMP, DATE\_FILLED\_YEAR |