**30 March 2021**

Genesis Immunization Data

for the MHS Mart (M2)

(Version 1.03.00)

Future Specification

**Revision History**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Version** | **Date** | **Originator** | **Para/Tbl/Fig** | **Description of Change** |
| 1.00 | 7/9/2018 | W.Funk | * Whole document | * New table in M2. |
| 1.01 | 7/1/2020 | C. Kangas | * Table 2 | * Added Result Status field |
| 1.02 | 12/28/2020 | C. Kangas | * Table 2 | * Added Orderable Display and Orderable Mnemonic fields |
| 1.03 | 03/30/2021 | C. Kangas | * Table 2 | * Added Pseudo MRN field |

# M2 Genesis Immunization Data

1. Source: The Genesis Immunization data is provided to M2 by the MDR from the MDR Genesis Immunization table.
2. File Format: Regardless of the length specified, all fields are variable length and delimited by a “|”. A null field will simply have an end of field delimiter (“|”) immediately following the previous field’s end of field delimiter.
3. File Content: Each feed file typically represents an incremental weekly update, although a full file refresh can also be created when needed. The Immunization table is not split by fiscal year, as it represents all immunizations captured in MHS Genesis for all-time, including historical immunizations. Two source files are provided to the M2 each week: a “delete” file that is used to remove records, and an “add file” that is used to add new and updated records.
4. Organization and Batching: Each feed file consists of all records for all-time that were added, updated, or deleted from the MDR Immunization table. Feeds are not organized by fiscal year.
5. Frequency of Processing: Weekly updates.
6. Filters: No filters are applied to the MDR MHS Genesis Immunization data.
7. Updating the M2 Master Table: The M2 Immunization table is updated by removing records whose Record Key matches what is in the weekly feed “delete file”, and then appending the new “add file” feed.
8. Record Layout and Content

**Table 1: M2 Genesis Immunization Delete File Layout**

| **Data Element** | **SAS Name for Genesis based data** | **Format** | **Transformation** |
| --- | --- | --- | --- |
| Record Key | EVENT\_SK | $40 | No transformation. |

**Table 2: M2 Genesis Immunization Add File Layout**

| **Data Element** | **SAS Name for Genesis based data** | **Format** | **Transformation** |
| --- | --- | --- | --- |
| Record Key | EVENT\_SK | $40 | No transformation. |
| Person ID | EDIPN | $10 | No transformation. Restricted universe only. |
| Immunization | IMMUNIZATION | $50 | No transformation. |
| CVX Code | CVX | $3 | No transformation. |
| Date Given | DATE\_GIVEN | YYYYMMDD | No transformation. |
| Sequence | CLINICAL\_SEQ | 8 | No transformation. |
| Site | SITE | $22 | No transformation. |
| Route | ROUTE | $25 | No transformation. |
| Lot Number | SUBSTANCE\_LOT\_NBR | $16 | No transformation. |
| Substance Manufacturer | SUBSTANCE\_MANUFACTURER | $60 | No transformation. |
| Dose | DOSAGE | 8 | No transformation. |
| Dosage Unit | DOSAGE\_UNIT | $12 | No transformation. |
| MRN | MRN | $24 | No transformation. |
| FIN | FIN | $40 | No transformation. |
| Encounter Type | ENCOUNTER\_TYPE | $26 | No transformation. |
| Encounter Date | ADMIT\_DT\_TM | YYYYMMDD | No transformation. |
| Age | PATAGE | 3 | No transformation. |
| Age Group Code | AGEGRP | $1 | No transformation. |
| Beneficiary Category | BENCAT | $3 | No transformation. |
| Bencat Common | COMBEN | $1 | No transformation. |
| Gender | GENDER | $1 | No transformation. |
| ACV Group | ACVGROUP | $15 | No transformation. |
| HCDP - Assigned | HCDP\_ASSGN | $3 | No transformation. |
| HCDP - Enrolled | HCDP\_ENR | $3 | No transformation. |
| Eligibility Group | ELG\_GRP | $1 | No transformation. |
| Enrollment Group | ENR\_GRP | $1 | No transformation. |
| Enrollment Site | DENRSITE | $4 | No transformation. |
| Enrollment PCM ID | PCM\_ID | $18 | No transformation. |
| Enrollment PCM Type | PCM\_TYPE | $1 | No transformation. |
| Sponsor Service | DSPONSVC | $1 | No transformation. |
| Sponsor Service Aggregate | DSVCAGG | $1 | No transformation. |
| Beneficiary ZIP Code | DEERSZIP | $5 | No transformation. |
| FY Given | N/A | $4 | No transformation. |
| FM Given | N/A | $2 | No transformation. |
| FY Charted | FY | $4 | No transformation. |
| FM Charted | FM | $2 | No transformation. |
| Treatment DMIS ID | DMISID | $4 | No transformation. |
| Date of Birth | DOB | YYYYMMDD | No transformation. |
| Beneficiary ID | PATSSN | $9 | No transformation. Restricted universe only. |
| Sponsor ID | SPONSSN | $9 | No transformation. Restricted universe only. |
| Millennium Person ID | PERSON\_SK | $14 | No transformation. |
| Beneficiary T3 Region | BEN\_T3\_REG | $2 | No transformation |
| Beneficiary T17 Region | BEN\_T17\_REG | $2 | No transformation |
| Enrollment T3 Region | ENR\_T3\_REG | $2 | No transformation |
| Enrollment T17 Region | ENR\_T17\_REG | $2 | No transformation |
| Source of Data | N/A | $1 | No transformation. |
| Pseudo MRN | PSEUDO\_MRN | $40 | No transformation. |
| Result Status | RESULT\_STATUS | $40 | No transformation. |
| Orderable Display | ORDERABLE\_DISPLAY | $200 | No transformation. |
| Orderable Mnemonic | ORDERABLE\_MNEMONIC | $200 | No transformation. |

1. M2 Appended Fields: The M2 Immunization table as viewed in the M2 contains some inferred fields that are results from “joins” to other tables or other inference or some additional math. The table below contains those fields and the rules for applying.

**Table 3. M2 Appended Fields**

| **Data Element** | **Format** | **Transformation** |
| --- | --- | --- |
| Beneficiary First Name | $ | Join to MPI table by Person ID. Restricted universe only. |
| Beneficiary Last Name | $ | Join to MPI table by Person ID. Restricted universe only. |
| Beneficiary Name | $ | Last Name, First Name (e.g., DOE, JOHN). Restricted universe only. |
| Catchment Area ID | $4 | Match by FY, FM (Charted) and beneficiary zip code = zip code from CAD. Select catchment area that matches the branch of service of the beneficiary (A=Army, F=AF, N=N, M, V, O= All Others. |
| Catchment Area Name | $ | Match to DMIS ID table by FY (Charted) and Catchment Area DMIS ID = DMIS ID from DMIS ID table and retrieve name |
| Catchment Area Command | $ | Match to DMIS ID table by FY (Charted) and Catchment Area DMIS ID = DMIS ID from DMIS ID table and retrieve command |
| Catchment Area Military Service | $1 | Match to DMIS ID table by FY (Charted) and Catchment Area DMIS ID = DMIS ID from DMIS ID table and retrieve service |
| Catchment Area MSMA | $3 | Match to DMIS ID table by FY (Charted) and Catchment Area DMIS ID = DMIS ID from DMIS ID table and retrieve MSMA |
| Enrollment Site Name | $ | Match to DMIS ID table by FY (Charted) and Enrollment DMIS ID = DMIS ID from DMIS ID table and retrieve name |
| Enrollment Site Command | $ | Match to DMIS ID table by FY (Charted) and Enrollment DMIS ID = DMIS ID from DMIS ID table and retrieve command |
| Enrollment Site Military Service | $1 | Match to DMIS ID table by FY (Charted) and Enrollment DMIS ID = DMIS ID from DMIS ID table and retrieve service |
| Enrollment Site MSMA | $3 | Match to DMIS ID table by FY (Charted) and Enrollment DMIS ID = DMIS ID from DMIS ID table and retrieve MSMA |
| Enrollment Site DHP Code | $1 | Match to DMIS ID table by FY (Charted) and Enrollment DMIS ID = DMIS ID from DMIS ID table and retrieve DHP Code |
| Enrollment Site Parent ID | $4 | Match to DMIS ID table by FY (Charted) and Enrollment DMIS ID = DMIS ID from DMIS ID table and retrieve parent |
| Enrollment Site Parent Name | $ | Match to DMIS ID table by FY (Charted) and Enrollment Parent = DMIS ID from DMIS ID table and retrieve name |
| IIW Flag | $1 | Use standard IIW business rules |
| Market Area ID | $3 | Match by FY, FM (Charted) and beneficiary zip code = zip code from CAD and retrieve MTF Service Area |
| MTF Service Area | $4 | See M2 Omni-CAD specification for business rules. |
| MTF Service Area Name | $ | Match to DMIS ID table by FY (Charted) and MTF Service Area = DMIS ID from DMIS ID table and retrieve name |
| Number of Immunizations | Num | Set to 1 for all records. |
| Prime Service Area | $1 | Match by FY, FM (Charted) and beneficiary zip code = zip code from CAD and retrieve Prime Service Area |
| PRISM Area ID | $4 | Match by FY, FM (Charted) and beneficiary zip code = zip code from CAD. Select PRISM area that matches the branch of service of the beneficiary (A=Army, F=AF, N=N, M, V, O= All Others. |
| PRISM Area Name | $ | Match to DMIS ID table by FY (Charted) and PRISM Area DMIS ID = DMIS ID from DMIS ID table and retrieve name |
| PRISM Area Command | $ | Match to DMIS ID table by FY (Charted) and PRISM Area DMIS ID = DMIS ID from DMIS ID table and retrieve command |
| PRISM Area Military Service | $ | Match to DMIS ID table by FY (Charted) and PRISM Area DMIS ID = DMIS ID from DMIS ID table and retrieve service |
| PRISM Area MSMA | $3 | Match to DMIS ID table by FY (Charted) and PRISM Area DMIS ID = DMIS ID from DMIS ID table and retrieve MSMA |
| Pseudo Person ID | $14 | Encryption algorithm applied to Person ID. |
| Pseudo Sponsor ID | $14 | Encryption algorithm applied to Sponsor ID. |
| Reservist Status Code | $1 | See M2 Reservist specification for business rules. |
| Special Operations Code | $2 | See M2 Reservist specification for business rules. |
| Tmt DMIS ID Name | $ | Match to DMIS ID table by FY (Charted) and Treatment DMIS ID = DMIS ID from DMIS ID table and retrieve name |
| Tmt DMIS ID Command | $ | Match to DMIS ID table by FY (Charted) and Treatment DMIS ID = DMIS ID from DMIS ID table and retrieve command |
| Tmt DMIS ID DHP Code | $1 | Match to DMIS ID table by FY (Charted) and Treatment DMIS ID = DMIS ID from DMIS ID table and retrieve DHP Code |
| Tmt DMIS ID Military Service | $1 | Match to DMIS ID table by FY (Charted) and Treatment DMIS ID = DMIS ID from DMIS ID table and retrieve Service |
| Tmt DMIS ID MSMA | $3 | Match to DMIS ID table by FY (Charted) and Treatment DMIS ID = DMIS ID from DMIS ID table and retrieve MSMA |
| Tmt Parent DMIS ID | $4 | Match to DMIS ID table by FY (Charted) and Treatment DMIS ID = DMIS ID from DMIS ID table and retrieve parent |
| Tmt Parent DMIS ID Name | $ | Match to DMIS ID table by FY (Charted) and Parent DMIS ID = DMIS ID from DMIS ID table and retrieve name |
| TPR Flag | $1 | Match by FY, FM (Charted) and beneficiary zip code = zip code from CAD and retrieve TPR Flag |
| Ever Deployed Flag (OCO) | $1 | See M2 CTS specification for business rules. |
| Days Since Most Recent OCO Depl | Num | See M2 CTS specification for business rules. This is a measure |
| Days Since Return from OCO Depl | $ | See M2 CTS specification for business rules. This is a dimension |
| Cumulative OCO Deployed Days | Num | See M2 CTS specification for business rules. |
| OCO Deployed Flag | $1 | See M2 CTS specification for business rules. |
| Special HCDP Code | $ | See M2 HCDP specification for business rules. |
| Case Management DMISID 1 | $4 | See M2 Case Management specification for business rules. |
| Case Management Acuity Level | $1 | See M2 Case Management specification for business rules. |
| Case Manager ID 1 | $14 | See M2 Case Management specification for business rules. |
| Case Manager ID 2 | $14 | See M2 Case Management specification for business rules. |
| Case Manager ID 3 | $14 | See M2 Case Management specification for business rules. |

1. Quality Review

* Record counts should match those contained in the transmittal letter representing each feed.
* The first and last 10 records in the files should be visually inspected to ensure proper formatting after loading.

1. File Location

Health Care Services / Direct Care / Immunization

1. Special Outputs: N/A