

**04 November 2024**

**MHS GENESIS Immunization Table  
for the  
MHS Mart (M2)  
(Version 1.04)**

**Future Specification**

## Revision History

Version	Date	Originator	Para/Tbl/Fig	Description of Change
1.00	7/9/2018	W.Funk	<ul style="list-style-type: none"> <li>Whole document</li> </ul>	<ul style="list-style-type: none"> <li>New table in M2.</li> </ul>
1.01	7/1/2020	C. Kangas	<ul style="list-style-type: none"> <li>Table 2</li> </ul>	<ul style="list-style-type: none"> <li>Added Result Status field</li> </ul>
1.02	12/28/2020	C. Kangas	<ul style="list-style-type: none"> <li>Table 2</li> </ul>	<ul style="list-style-type: none"> <li>Added Orderable Display and Orderable Mnemonic fields</li> </ul>
1.03	03/30/2021	C. Kangas	<ul style="list-style-type: none"> <li>Table 2</li> </ul>	<ul style="list-style-type: none"> <li>Added Pseudo MRN field</li> </ul>
1.04	11/4/2024	C. Kangas	<ul style="list-style-type: none"> <li>Tables 1-3</li> </ul>	<ul style="list-style-type: none"> <li>Switched to BDE 3.0 field names, removing BDE 2.4 field naming.</li> <li>Changed M2 appended fields to use FY (Given)</li> </ul>

## M2 GENESIS Immunization Table

### I. SOURCE

The GENESIS Immunization data is provided to M2 by the MDR from the MDR GENESIS Immunization table.

### II. 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.

### III. 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.

### IV. 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.

### V. FREQUENCY OF PROCESSING

Weekly updates.

### VI. FILTERS

No filters are applied to the M2 GENESIS Immunization data.

### VII. UPDATING THE M2 MASTER TABLE

The M2 GENESIS 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.

### VIII. RECORD LAYOUT AND TRANSFORMATIONS

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

Data Element	SAS Name for Genesis based data	Format	Transformation
Record Key	EVENT_ID	N(8)	No transformation.

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

Data Element	SAS Name for Genesis based data	Format	Transformation
Record Key	EVENT_ID	N(8)	No transformation.

Data Element	SAS Name for Genesis based data	Format	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	N(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	N(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	VISIT_DT	YYYYMMDD	No transformation.
Age	PATAGE	N(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_ASGN	\$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	FY	\$4	No transformation.
FM Given	FM	\$2	No transformation.
FY Charted	FY_ENC	\$4	No transformation.
FM Charted	FM_ENC	\$2	No transformation.
Treatment DMIS ID	DMISID	\$4	No transformation.
Date of Birth	PATDOB	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_ID	N(8)	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

Data Element	SAS Name for Genesis based data	Format	Transformation
Enrollment T17 Region	ENR_T17_REG	\$2	No transformation
Source of Data	N/A	\$1	Set to "G" for MHS GENESIS
Pseudo MRN	PSEUDO_MRN	\$40	No transformation.
Result Status	RESULT_STATUS	\$40	No transformation.
Orderable Display	ORDERABLE_DISP	\$200	No transformation.
Orderable Mnemonic	ORDERABLE_MNEMONIC	\$200	No transformation.

## IX. 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 (Given) 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 (Given) and Catchment Area DMIS ID = DMIS ID from DMIS ID table and retrieve name
Catchment Area Command	\$	Match to DMIS ID table by FY (Given) 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 (Given) 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 (Given) and Catchment Area DMIS ID = DMIS ID from DMIS ID table and retrieve MSMA
Enrollment Site Name	\$	Match to DMIS ID table by FY (Given) and Enrollment DMIS ID = DMIS ID from DMIS ID table and retrieve name
Enrollment Site Command	\$	Match to DMIS ID table by FY (Given) 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 (Given) and Enrollment DMIS ID = DMIS ID from DMIS ID table and retrieve service
Enrollment Site MSMA	\$3	Match to DMIS ID table by FY (Given) 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 (Given) 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 (Given) and Enrollment DMIS ID = DMIS ID from DMIS ID table and retrieve parent

Data Element	Format	Transformation
Enrollment Site Parent Name	\$	Match to DMIS ID table by FY (Given) 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 (Given) 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 (Given) 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 (Given) and beneficiary zip code = zip code from CAD and retrieve Prime Service Area
PRISM Area ID	\$4	Match by FY, FM (Given) 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 (Given) and PRISM Area DMIS ID = DMIS ID from DMIS ID table and retrieve name
PRISM Area Command	\$	Match to DMIS ID table by FY (Given) 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 (Given) 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 (Given) 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 (Given) and Treatment DMIS ID = DMIS ID from DMIS ID table and retrieve name
Tmt DMIS ID Command	\$	Match to DMIS ID table by FY (Given) 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 (Given) 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 (Given) 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 (Given) 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 (Given) 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 (Given) and Parent DMIS ID = DMIS ID from DMIS ID table and retrieve name
TPR Flag	\$1	Match by FY, FM (Given) 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

<b>Data Element</b>	<b>Format</b>	<b>Transformation</b>
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.

## **X. 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.

## **XI. FILE LOCATION**

Health Care Services / Direct Care / Immunization