

14 January 2025

**MHS GENESIS Immunization Table
for the
MHS Mart (M2)
(Version 1.04.01)**

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
1.04	11/4/2024	C. Kangas	• Tables 1-3	• Switched to BDE 3.0 field names, removing BDE 2.4 field naming. • Changed M2 appended fields to use FY(Given)
1.04.01	1/14/2025	W. Funk	• Tables 1 and 2	• Added and removed fields

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 “|”. An 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 Genes is based data	Format	Transformation
Person ID	EDIPN	\$10	No transformation. Restricted universe only.
Immunization	IMMUNIZATION	\$50	No transformation.
CVXCode	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 GENESIS	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.
ACVGroup	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 PCMID	PCM_ID	\$18	No transformation.
Enrollment PCMType	PCM_TYPE	\$1	No transformation.
Sponsor Service	DSPONSV	\$1	No transformation.
Sponsor Service Aggregate	DSVCAGG	\$1	No transformation.
Beneficiary ZIP Code	DEERSZIP	\$5	No transformation.
FYGiven	FY	\$4	No transformation.
FMGiven	FM	\$2	No transformation.
FYCharted	FY_ENC	\$4	No transformation.
FMCharted	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. Hidden field.
Beneficiary T17 Region	BEN_T17_REG	\$2	No transformation
Enrollment T3 Region	ENR_T3_REG	\$2	No transformation. Hidden field.

Data Element	SAS Name for Genes is 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.
Beneficiary T5 Region	BEN_T5_REG	\$2	No transformation.
Enrollment T5 Region	ENR_T5_REG	\$2	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
Number of Immunizations	1	Set to 1 on every row
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	Aggregate sponsor service to Army, Air Force (Air Force and Space Force), Navy (Navy, Marines and Navy Afloat) and other. Then match by FY(Given), FM(Given) and aggregated sponsor service to the M2 Market Table and retrieve catchment area ID.
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 Hidden field.
Catchment Area Network	\$40	Match to DMIS ID table by FY(Given) and Catchment Area DMIS ID = DMIS ID from the DMIS ID table and retrieve Network.
Catchment Area Readiness Command	\$7	Match to DMIS ID table by FY(Given) and Catchment Area DMIS ID = DMIS ID from DMIS ID table and retrieve readiness command.
Catchment Area Readiness Service	\$1	Match to DMIS ID table by FY(Given) and Catchment Area DMIS ID = DMIS ID from DMIS ID table and retrieve readiness service.

Data Element	Format	Transformation
Catchment Area Base Market Code	\$	Match to DMIS ID table by FY(Given) and Catchment Area DMIS ID = DMIS ID from DMIS ID table and retrieve base market code. Hidden field.
Catchment Area Expanded Market Code	\$	Match to DMIS ID table by FY(Given) and Catchment Area DMIS ID = DMIS ID from DMIS ID table and retrieve expanded market code. Hidden field.
Catchment Area Market Name	\$	Match to DMIS ID table by FY(Given) and Catchment Area DMIS ID = DMIS ID from DMIS ID table and retrieve market name. Hidden field.
Catchment Area Reporting Market Code	\$	Match to DMIS ID table by FY(Given) and Catchment Area DMIS ID = DMIS ID from DMIS ID table and retrieve reporting market code. Hidden field.
Catchment Area Reporting Market Name	\$	Match to DMIS ID table by FY(Given) and Catchment Area DMIS ID = DMIS ID from DMIS ID table and retrieve reporting market name. Hidden field.
Catchment Area Type of Market Code	\$	Match to DMIS ID table by FY(Given) and Catchment Area DMIS ID = DMIS ID from DMIS ID table and retrieve type of market code. Hidden field.
Catchment Area Type of Market Name	\$	Match to DMIS ID table by FY(Given) and Catchment Area DMIS ID = DMIS ID from DMIS ID table and retrieve type of market name. Hidden field.
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 Financial Parent	\$4	Match to DMIS ID table by FY(Given) and Enrollment DMIS ID = DMIS ID from DMIS ID table and retrieve financial parent.
Enrollment Site Financial Parent Name	\$	Match to DMIS ID table by FY(Given) and Enrollment Financial Parent DMIS ID = DMIS ID from DMIS ID table and retrieve name.
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. Hidden field.
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 Network	\$40	Match to DMIS ID table by FY(Given) and Enrollment DMIS ID = DMIS ID from DMIS ID table and retrieve Network.
Enrollment Site Base Market Code	\$	Match to DMIS ID table by FY(Given) and Enrollment DMIS ID = DMIS ID from DMIS ID table and retrieve base market code. Hidden field.
Enrollment Site Expanded Market Code	\$	Match to DMIS ID table by FY(Given) and Enrollment DMIS ID = DMIS ID from DMIS ID table and retrieve expanded market code. Hidden field.
Enrollment Site Market Name	\$	Match to DMIS ID table by FY(Given) and Enrollment DMIS ID = DMIS ID from DMIS ID table and retrieve market name. Hidden field.

Data Element	Format	Transformation
Enrollment Site Type of Market Code	\$	Match to DMIS ID table by FY(Given) and Enrollment DMIS ID = DMIS ID from DMIS ID table and retrieve type of market code. Hidden field.
Enrollment Site Type of Market Name	\$	Match to DMIS ID table by FY(Given) and Enrollment DMIS ID = DMIS ID from DMIS ID table and retrieve type of market name. Hidden field.
Enrollment Site Reporting Market Code	\$	Match to DMIS ID table by FY(Given) and Enrollment DMIS ID = DMIS ID from DMIS ID table and retrieve reporting market code. Hidden field.
Enrollment Site Reporting Market Name	\$	Match to DMIS ID table by FY(Given) and Enrollment DMIS ID = DMIS ID from DMIS ID table and retrieve reporting market name. Hidden field.
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.
Enrollment Site Parent Name	\$	Match to DMIS ID table by FY(Given) and Enrollment Parent = DMIS ID from DMIS ID table and retrieve name.
Enrollment Site Readiness Parent	\$4	Match to DMIS ID table by FY(Given) and Enrollment = DMIS ID from DMIS ID table and retrieve readiness parent.
Enrollment Site Readiness Parent Name	\$	Match to DMIS ID table by FY(Given) and Enrollment Readiness Parent = DMIS ID from DMIS ID table and retrieve name.
IIW Flag	\$1	Use standard IIW business rules. Hide field
Market Area ID	\$3	Match by FY, FM(Given) and beneficiary zip code = zip code from CAD and retrieve MIF Service Area where service = "O".
MIF Service Area	\$4	Aggregate sponsor service to Army, Air Force (Air Force and Space Force), Navy (Navy, Marines and Navy Afloat) and other. Then match by FY(Given), FM(Given) and aggregated sponsor service to the M2 Market Table and retrieve MIF service area ID.
MIF Service Area Name	\$	Match to DMIS ID table by FY(Given) and MIF Service Area = DMIS ID from DMIS ID table and retrieve name.
MIF Service Area Base Market Code	\$	Match to DMIS ID table by FY(Given) and MIF Service Area = DMIS ID from DMIS ID table and retrieve base market code. Hidden field.
MIF Service Area Expanded Market Code	\$	Match to DMIS ID table by FY(Given) and MIF Service Area = DMIS ID from DMIS ID table and retrieve expanded market code. Hidden field.
MIF Service Area Reporting Market Code	\$	Match to DMIS ID table by FY(Given) and MIF Service Area = DMIS ID from DMIS ID table and retrieve reporting market code. Hidden field.
MIF Service Area Type of Market Code	\$	Match to DMIS ID table by FY(Given) and MIF Service Area = DMIS ID from DMIS ID table and retrieve type of market code. Hidden field.
MIF Service Area Network	\$40	Match to DMIS ID table by FY(Given) and MIF Service Area DMIS ID = DMIS ID from DMIS ID table and retrieve Network.
Number of Immunizations	Num	Set to 1 for all records.

Data Element	Format	Transformation
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. Hidden field.
PRISM Area Base Market Code	\$	Match to DMIS ID table by FY(Given) and PRISM Area DMIS ID = DMIS ID from DMIS ID table and retrieve base market code. Hidden field.
PRISM Area Expanded Market Code	\$	Match to DMIS ID table by FY(Given) and PRISM Area DMIS ID = DMIS ID from DMIS ID table and retrieve expanded market code. Hidden field.
PRISM Area Market Name	\$	Match to DMIS ID table by FY(Given) and PRISM Area DMIS ID = DMIS ID from DMIS ID table and retrieve market name. Hidden field.
PRISM Area Reporting Market Code	\$	Match to DMIS ID table by FY(Given) and PRISM Area DMIS ID = DMIS ID from DMIS ID table and retrieve reporting market code. Hidden field.
PRISM Area Reporting Market Name	\$	Match to DMIS ID table by FY(Given) and PRISM Area DMIS ID = DMIS ID from DMIS ID table and retrieve reporting market name. Hidden field
PRISM Area Type of Market Code	\$	Match to DMIS ID table by FY(Given) and PRISM Area DMIS ID = DMIS ID from DMIS ID table and retrieve type of market code. Hidden field.
PRISM Area Type of Market Name	\$	Match to DMIS ID table by FY(Given) and PRISM Area DMIS ID = DMIS ID from DMIS ID table and retrieve type of market name. Hidden field.
PRISM Area Network	\$40	Match to DMIS ID table by FY(Given) and PRISM Area DMIS ID = DMIS ID from DMIS ID table and retrieve Network.
PRISM Area Readiness Command	\$	Match to DMIS ID table by FY(Given) and PRISM Area DMIS ID = DMIS ID from DMIS ID table and retrieve readiness command.
PRISM Area Readiness Service	\$1	Match to DMIS ID table by FY(Given) and PRISM Area DMIS ID = DMIS ID from DMIS ID table and retrieve readiness service.
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.

Data Element	Format	Transformation
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 Financial Parent	\$4	Match to DMIS ID table by FY(Given) and Treatment DMIS ID = DMIS ID from DMIS ID table and retrieve financial parent.
Tmt DMIS ID Financial Parent Name	\$	Match to DMIS ID table by FY(Given) and Treatment Financial Parent DMIS ID = DMIS ID from DMIS ID table and retrieve name.
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. Hidden field.
Tmt DMIS ID Network	\$40	Match to DMIS ID table by FY(Given) and Treatment DMIS ID = DMIS ID from DMIS ID table and retrieve Network.
Tmt DMIS ID Readiness Command	\$	Match to DMIS ID table by FY(Given) and Treatment DMIS ID = DMIS ID from DMIS ID table and retrieve readiness command.
Tmt DMIS ID Readiness Service	\$	Match to DMIS ID table by FY(Given) and Treatment DMIS ID = DMIS ID from DMIS ID table and retrieve readiness service.
Tmt DMIS ID Base Market Code	\$	Match to DMIS ID table by FY(Given) and Treatment DMIS ID = DMIS ID from DMIS ID table and retrieve base market code. Hidden field.
Tmt DMIS ID Expanded Market Code	\$	Match to DMIS ID table by FY(Given) and Treatment DMIS ID = DMIS ID from DMIS ID table and retrieve expanded market code. Hidden field.
Tmt DMIS ID Market Name	\$	Match to DMIS ID table by FY(Given) and Treatment DMIS ID = DMIS ID from DMIS ID table and retrieve market name. Hidden field
Tmt DMIS ID Reporting Market Name	\$	Match to DMIS ID table by FY(Given) and Treatment DMIS ID = DMIS ID from DMIS ID table and retrieve reporting market name. Hidden field.
Tmt DMIS ID Type of Market Code	\$	Match to DMIS ID table by FY(Given) and Treatment DMIS ID = DMIS ID from DMIS ID table and retrieve type of market code. Hidden field.
Tmt DMIS ID Type of Market Name	\$	Match to DMIS ID table by FY(Given) and Treatment DMIS ID = DMIS ID from DMIS ID table and retrieve type of market name. Hidden field.
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. Hidden field.
Days Since Most Recent OCO Depl	Num	See M2 CTS specification for business rules. This is a measure. Hidden field.

Data Element	Format	Transformation
Days Since Return from OCO Depl	\$	See M2 CTS specification for business rules. This is a dimension. Hidden field.
Cumulative OCO Deployed Days	Num	See M2 CTS specification for business rules. Hidden field.
OCO Deployed Flag	\$1	See M2 CTS specification for business rules. Hidden field.
Special HCDP Code	\$	See M2 HCDP specification for business rules. Hidden field.
Case Management DMISID 1	\$4	See M2 Case Management specification. Hidden field.
Case Management Acuity Level	\$1	See M2 Case Management specification. Hidden field.
Case Manager ID 1	\$14	See M2 Case Management specification. Hidden field.
Case Manager ID 2	\$14	See M2 Case Management specification. Hidden field.
Case Manager ID 3	\$14	See M2 Case Management specification. Hidden field.

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

XII. Special Outputs

N/A