

21 May 2024

**MHS GENESIS Location File BDE  
3.0 for the  
MHS Data Repository (MDR)  
(Version 1.00.00)**

**Future Specification**

### Revision History

Version	Date	Originator	Para/Tbl/Fig	Description of Change
1.00.00	5/21/2024	Tracy Comer	• Initial Document	• Initial Document

## MDR Genesis Location File

### I. BACKGROUND

This specification describes the transformation process required to create the Military Health System (MHS) Data Repository (MDR) GENESIS Location table based on data received from the Oracle Bulk Data Extract (BDE) 3.0 feeds.

### II. SOURCE

The source system is the MHS GENESIS Oracle Millennium database.

### III. RAW

All records in the Location table are based on data pulled from the raw MIP Redshift genesis\_vw.encounter view. Table 1 provides a listing of raw Redshift views that are used during the creation of the MDR Encounter table.

**Table 1: MIP Redshift Raw Source Views**

Raw Source Table	View Name	Feed Description
Location	genesis_vw.location	Contains MHS GENESIS location record descriptors
Code Value	genesis_vw.code_value	Contains code value descriptions for codes associated with location records
Code Value Outbound	genesis_vw.code_value_outbound	Contains MEPRS code and DMIS ID information associated with location records
Location Group	genesis_vw.location_group	Contains information about the hierarchy relationship between locations
Time Zone R	genesis_vw.time_zone_r	Contains timezone code associated with each location
Organization	genesis_vw.organization	Contains details about the overall organization for a location, specifically if it is a DoD, VA, Coast Guard, or Test location

#### IV. UPDATE PROCESS

Once the dataset has been updated, the processor assigns other internally-derived variables as described in Table 3.

Output products: A SAS dataset contains all current location records. The current location file is stored at /mdr/pub/genesis3/location/location.sas7bdat.

#### V. FIELD TRANSFORMATIONS AND DELETIONS FOR MDR CORE DATABASE

This section of this functional specification describes the data merges that are necessary to append fields in the MDR Genesis location file. Table 1 describes the reference files that are used in processing.

Table 2 Merge Tables

Merge	Date Matching	Additional Matching
j5_aes.vw_gen_location_pat_sub	Only match records with the most recent updt_dt_tm. In	Location_ref
DMIS ID Index File	Current file for the current FY	Include Parent DMIS ID, Branch of Service, Facility Command Code, Facility NPI ID, Genesis Start Date, and Facility HIPAA taxonomy codes (where applicable) where MTF is populated.
Specialty Code Reference	Specialty	
Care Location Reference	Care_Location	

Business rules for each of the appended fields are described in the body of the format table in Section VI.

## VI. FILE LAYOUT

The MDR Genesis Location file is stored in a SAS data set. Table 2 provides the file layout and processing rules.

**Table 2 File Layout for MDR Genesis Location File**

Field	Format	SAS Name	Source Redshift	Source Element	Transformation
			Table Name	BDE 3.0	
Agency	\$5	AGENCY	loc_pat_sub	Agency	No transformation
DoD Clinic Group	\$17	DOD_CLINIC_GROUP	loc_pat_sub	dod_clinic_group	No transformation
Facility Command	\$8	FAC_CMD	loc_pat_sub	dod_major_command	No transformation
Facility MSM	\$3	FAC_MSM	loc_pat_sub	dod_msm_id	No transformation
Facility Reference	\$40	LOC_FACILITY_REF	loc_pat_sub	loc_facility_cd	No transformation
Building Reference	\$40	LOC_BUILDING_REF	loc_pat_sub	loc_building_cd	No transformation
Unit Reference	\$40	UNIT_REF	loc_pat_sub	loc_unit_cd	No transformation
Room Reference	\$40	LOC_ROOM_REF	loc_pat_sub	loc_room_cd	No transformation
Bed Reference	\$40	LOC_BED_REF	loc_pat_sub	loc_bed_cd	No transformation
Facility Description	\$100	LOC_FACILITY_DESC	loc_pat_sub	loc_facility_cd_desc	No transformation
Building Description	\$100	LOC_BUILDING_DESC	loc_pat_sub	loc_building_cd_desc	No transformation
Unit Description	\$100	UNIT_NAME	loc_pat_sub	loc_unit_cd_desc	No transformation
Ambulatory Display	\$100	LOC_AMBULATORY_DISP	null	null	No transformation
Building Display	\$100	LOC_BUILDING_DISP	loc_pat_sub	loc_building_cd_disp	No transformation
Facility Display	\$100	LOC_FACILITY_DISP	loc_pat_sub	loc_facility_cd_disp	No transformation
Facility Type	\$6	FACTYPE	loc_pat_sub	dod_facility_type	No transformation
Nurse Unit Display	\$100	LOC_NURSE_UNIT_DISP	null	null	No transformation
Surgery Display	\$100	LOC_SURGERY_DISP	loc_pat_sub	loc_surgery_cd_disp	No transformation
Unit Display	\$45	UNIT_DISPLAY	loc_pat_sub	loc_unit_cd_disp	No transformation
Room Description	\$100	LOC_ROOM_DESC	loc_pat_sub	loc_room_cd_desc	No transformation
Bed Description	\$100	LOC_BED_DESC	loc_pat_sub	loc_bed_cd_desc	No transformation
MTF	\$4	MTF	loc_pat_sub	dmis_id	No transformation
Parent MTF	\$4	MTF_PARENT	loc_pat_sub	dod_ubu_parent_dmis_id	No transformation

Field	Format	SAS Name	Source Redshift	Source Element	Transformation
			Table Name	BDE 3.0	
Begin Effective Date/Time	Date/Time	BEG_EFFECTIVE_DT_TM_UTC	loc_pat_sub	BEG_EFFECTIVE_DT_TM	No transformation
End Effective Date/Time	Date/Time	END_EFFECTIVE_DT_TM_UTC	loc_pat_sub	END_EFFECTIVE_DT_TM	No transformation
Active Indicator	N	ACTIVE_IND	loc_pat_sub	active_ind	No transformation
Update Date/Time	Date/Time	UPDT_DT_TM_UTC	loc_pat_sub	UPDT_DT_TM	No transformation
Location Identifier	N	LOCATION_KEY	loc_pat_sub	location_cd	No transformation
Location Reference	\$40	LOCATION_SK	loc_pat_sub	location_cd	Transformed location_cd to character
Organization Reference	\$40	ORG_REF	loc_pat_sub	organization_id	No transformation
Location Facility Patient Care Node Indicator	N	LOC_FACILITY_PATCARE_NODE_IND	null	null	No transformation
Incomplete Hierarchy Indicator	N	INCOMPLETE_HIERARCHY_IND	null	null	No transformation
Source Active Indicator	N	SRC_ACTIVE_IND	loc_pat_sub	active_ind	No transformation
Location Type	\$40	LOCATION_TYPE_REF	loc_pat_sub	location_type_cd	No transformation
Address Line 1	\$100	ADDRESS_LINE_1	loc_pat_sub	dod_facility_address	No transformation
Address Line 2	\$100	ADDRESS_LINE_2	null	null	No transformation
City	\$100	CITY	loc_pat_sub	dod_facility_city	No transformation
State	\$50	STATE	loc_pat_sub	dod_facility_state	No transformation
Zip Code	\$50	FACZIP	loc_pat_sub	dod_facility_zip	No transformation
County	\$50	COUNTY	loc_pat_sub	dod_facility_county	No transformation
Country	\$50	COUNTRY	loc_pat_sub	dod_facility_country	No transformation
Facility Service	\$1	SVC	loc_pat_sub	dod_fin_service	No transformation
GENESIS Start Date	N	GEN_BEGIN_DT	loc_pat_sub	dod_genesis_start_date	No transformation
Organization Name	\$40	ORGANIZATION_NAME	loc_pat_sub	org_name	No transformation
Test Location Flag	N	TEST_LOCATION_FLAG	loc_pat_sub	test_location_ind	No transformation
Time Zone	\$150	TIME_ZONE	loc_pat_sub	time_zone	No transformation
Fields from the Care Location Reference					
ERSA	N	ERSA_FLAG	N/A	N/A	Set to blank
Facility NPI	\$10	FAC_NPI	N/A	N/A	Set to blank

Field	Format	SAS Name	Source Redshift	Source Element	Transformation
			Table Name	BDE 3.0	
Facility Taxonomy	\$10	FAC_TAX	N/A	N/A	Set to blank
Location Key	N	LOCATION_KEY	N/A	N/A	Set to blank
Location Ambulatory Display	\$100	LOC_AMBULATORY_DISP	N/A	N/A	Set to blank
Parent DMIS ID of Record	\$4	MTF_PARENT_REC	N/A	N/A	Set to blank
Care Location	\$10	CARE_LOCATION	N/A	N/A	Second portion of the Unit Display after the first "-". If no dashes exist in the Unit Display field, leave blank.
Specialty	\$10	SPECIALTY	N/A	N/A	Second portion of the Unit Display after the first "-". If no dashes exist in the Unit Display field, leave blank.
Health System Source Identifier	N	HEALTH_SYSTEM_SOURCE_ID	N/A	N/A	Set to null
Location Key	N	LOCATION_KEY	N/A	N/A	Set to null
Adjusted Nurse Unit Display	\$45	UNIT_DISPLAY_ADJ	N/A	N/A	Remove leading "z"'s from unit_display variable.
VA Flag	8	VA_FLAG	N/A	N/A	If loc_facility_disp contains "VA" then va_flag=1; else va_flag=0.

Field	Format	SAS Name	Source Redshift	Source Element	Transformation
			Table Name	BDE 3.0	
ERSA Flag	8	ERSA_FLAG	N/A	N/A	If substr(factype,1,3)="ERS", then ersa_flag=1; else ersa_flag=0.
Test Location Indicator	8	TEST_LOCATION_FLAG	N/A	N/A	If loc_facility_disp does not include "VA" AND (MTF_PARENT is null or ='0' or MTF is null or ='0' or organization_name begins with 'zz', 'Small', 'Medium' or 'Large') then test_location_flag=1, otherwise it is 0.
Fields from the Care Location Reference					
Care Location Meaning	\$10	CARE_LOCATION	N/A	N/A	The definition field corresponding to the third portion of the Unit Display after the second "-". If no dashes exist in the Unit Display field, leave blank.
Fields from the Specialty Lookup Reference					
Specialty Code Definition	\$40	SPECIALTY_CODE_MEANING	N/A	N/A	The definition field corresponding to the second portion of the Unit Display after the first "-". If no dashes exist in the Unit Display field, leave blank.



**VII. REFRESH FREQUENCY**

Weekly

**VIII. DATA MARTS**

N/A.

**IX. SPECIAL OUTPUTS**

N/A