

06 February 2019

**MHS GENESIS Personnel File BDE 2.4
for the
MHS Data Repository (MDR)
(Version 1.01.00)**

Current Specification

Revision History

Version	Date	Originator	Para/Tbl/Fig	Description of Change
1.00.00	01/26/2018	Wendy Funk	<ul style="list-style-type: none">• Initial Document	<ul style="list-style-type: none">• Initial Document
1.01.00	02/06/2019	Tracy Comer for Wendy Funk	<ul style="list-style-type: none">• Section 3• Table 2	<ul style="list-style-type: none">• Added wording regarding restricted file• Added wording to place personnel_key and prsnl_email fields in the restricted file

MDR Genesis Personnel File

I. SOURCE:

The source system is the Cerner Millenium. All records are sent from WH_CLN_PERSONNEL_REF file.

II. TRANSMISSION (FORMAT AND FREQUENCY)

TBD

III. ORGANIZATION AND BATCHING

Source data: The first step in MDR processing is to batch records received from MHS Genesis. Raw data batches are stored in /mdr/raw/genesis according to routine MDR operating procedures.

Output products:

Two SAS datasets will be produced from MHS Genesis personnel data. These datasets are described below.

File Name	Description	Location
Personnel File	File with most personnel information and ordered by the MHS Genesis Personnel Key	/mdr/pub/genesis/personnel/personnel.sas7bdat
Personnel File Restricted	File with personnel email addresses and ordered by the MHS Genesis Personnel Key	/mdr/restricted/genesis/personnel/personnel.sas7bdat

IV. RECEIVING FILTERS

All records were provided with the initial batch of data. Thereafter, new and changed records are sent each week.

V. UPDATE PROCESS

After sending the initial batch of personnel data (11/16/2017), the raw feeds for the personnel file represent either insert and update records. These records shall be used to maintain the master MDR personnel dataset.

The primary key for the personnel table is the PERSONNEL_KEY field. During the extraction of the raw personnel records, de-duplication of records, or anytime a personnel key collision occurs between incoming data and existing master data, the processor de-duplicates data by selecting the record with the most recent value of the update date/time (UPDT_DT_TM) for any multiple of records with the same primary key. Only records with an active_ind = 1 are kept in the MDR.

Once the dataset has been updated, the processor assigns many other internally-derived variables as described in Table 2.

VI. 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 personnel file. Table 1 describes the reference files that are used in processing.

Merge	Date Matching	Additional Matching
Genesis Personnel Alias File	N/A	person_sk and health_system_id where alias_type_ref=685806
MDR Genesis Person File	N/A	person_sk
National Provider ID File	N/A	prsnl_npi
Defense Medical Human Resources File	assig_start ≤ updt_dt_tm ≤ assig_end	prsnl_edipn 1 st , then if no match, prsnl_npi; where most recent assig_start_dt.

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

VII. FILE LAYOUT

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

Table 2 File Layout for MDR Genesis Personnel File

Field	Format	SAS Name	Source Element	Transformation
MHS Genesis Personnel Key	8	prsnl_key	personnel_key	No transformation. Also available in /restricted. Can be used for linking restricted file to pub file.
MHS Genesis Personnel ID	\$100	prsnl_sk	personnel_sk	No transformation
MHS Genesis Person ID	\$100	person_sk	person_sk	No transformation
Health System Source ID	8.	hss_id	health_system_source_id	No transformation
Personnel NPI	\$100	npi	prsnl_npi	No transformation
Personnel First Name	\$100	first_name	personnel_first_name	No transformation
Personnel Last Name	\$100	last_name	personnel_last_name	No transformation
Personnel Full Name	\$100	full_name	personnel_full_name	No transformation
Begin Effective Date/Time	Date/Time	beg_dt_tm	beg_effective_date_tm	No transformation
End Effective Date/Time	Date/Time	end_dt_tm	end_effective_date_tm	No transformation
Provider Flag	8	physician_ind	physician_ind	No transformation
DEA Number	\$100	dea_nbr	dea_nbr	No transformation
DEA Number Expiration Date/Time	Date/Time	dea_exp_dt	dea_nbr_exp_dt_tm	No transformation
Provider Email Address	\$100	prsnl_email	prsnl_email	No transformation. Only available in /restricted
Harvest Date/Time	Date/Time	extract_dt_tm	extract_dt_tm	No transformation
Update Date/Time	Date/Time	updt_dt_tm	updt_dt_tm	No transformation
Fields from the Personnel Alias File				
Personnel EDIPN	\$10	prsnl_edipn	alias	Match to alias table (prsnl_alias) by person_sk and health system ID and src_active_ind=1 and retrieve alias where alias_type_ref =685806
Fields from the NPI Directory				
Provider Gender	\$1	gender	gender	No transformation
HIPAA Taxonomy 1	\$10	hipaa1	hipaa1	No transformation
HIPAA Taxonomy 2	\$10	hipaa2	hipaa2	No transformation

Field	Format	SAS Name	Source Element	Transformation
HIPAA Taxonomy 3	\$10	hipaa3	hipaa3	No transformation
HIPAA Taxonomy 4	\$10	hipaa4	hipaa4	No transformation
HIPAA Taxonomy 5	\$10	hipaa5	hipaa5	No transformation
Fields from the DMHRS File				
Assigned MTF	\$4	assig_dmisid	assig_dmisid	No transformation
People Group MTF	\$4	pg_dmisid	pg_dmisid	No transformation
Skill Type	\$1	skill_type	skill_type	No transformation
Skill Type Suffix	\$1	skill_type_suffix	skill_type_suffix	No transformation
DoD Occupation Code	\$6	dod_occ	Derived dodocc	No transformation
Internally Derived Fields				
Test Personnel Indicator	\$1	test_record_ind	N/A	If substr(npi,1,2) = 'zz' or full_name = 'Subscriber, Unknown' or last_name = 'Subscriber' or find(last_name,'0') or find(first_name,'0') or find(full_name,"cerner","i") or (find(full_name,"test","i") and npi = "") then set to '1'

VIII. REFRESH FREQUENCY

Weekly

IX. DATA MARTS

N/A.

X. SPECIAL OUTPUTS

N/A