**06 February 2019**

MHS Genesis Personnel File

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 | * Initial Document | * Initial Document |
| 1.01.00 | 02/06/2019 | Tracy Comer for Wendy Funk | * Section 3 * Table 2 | * Added wording regarding restricted file * Added wording to place personnel\_key and prsnl\_email fields in the restricted file |

# MDR Genesis Personnel File

1. Source:

The source system is the Cerner Millenium. All records are sent from WH\_CLN\_PERSONNEL\_REF file.

1. Transmission (Format and Frequency)

TBD

1. 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 |

1. Receiving Filters

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

1. 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.

1. 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 1st, 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.

1. 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 | hippa1 | No transformation |
| HIPAA Taxonomy 2 | $10 | hipaa2 | hipaa2 | No 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' |

1. Refresh Frequency

## Weekly

1. Data Marts

N/A.

1. Special Outputs

N/A