**27 October 2017**

**Enrollment MEPRS Code File Processing Spec**

(Version 1.01.01)

Future Specification

**Revision History**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Version** | **Date**  | **Para/Tbl/Fig** | **Originator** | **Description of Change** |
| 1.00.00 | 4/10/2012 | * Whole Document
 | K. Hofmann | * Initial version
 |
| 1.00.01 | 9/10/2012 | * Section VIII, Table 5
* Section VI, Paragraph 7; Section VIII, Table 4
* Section IV, Table 1
 | K. Hofmann | * Add MED\_HOME and ACCRED to the yearly format file
* Add FY and FM to the monthly SAS data set
* Update output file location
 |
| 1.00.02 | 9/26/2012 | * Appendix A
 | K. Hofmann | * Add information on how to apply Enrollment MEPRS Code file to other files
 |
| 1.01.00 | 11/14/2014 | * Whole Document
 | J. Hufford | * Removed CHCS data processing
* Revised approach to use DEERS LVM6 for enrollment end dates
 |
| 1.01.01 | 10/27/2017 | * Table 2
 | W. Funk | * Changed extraction logic
 |

**Enrollment MEPRS Code File**

1. Background:

The purpose of this data file is to align MTF enrollees with the assigned MEPRS code of their primary care manager. The DMIS ID of an enrollee’s Primary Care Manager (PCM) is used as the Enrollment Site of the beneficiary, and is already available in Defense Enrollment Eligibility Reporting System (DEERS) data, as is the beneficiary’s enrollment period (begin and end dates); however, the MEPRS Code to which the PCM is assigned is not. Composite Health Care System (CHCS) data, on the other hand, report Enrollment MEPRS Code, but the end date information is unreliable. This specification identifies the requirements for combining a processed CHCS file and the DEERS Longitudinal VM6 (LVM) file to create the Enrollment MEPRS Code format file. This format file can then be used to append MEPRS Enrollment code to other data files containing the enrollee’s DOD EDI identifier.

1. Source:

There are two primary sources for the Enrollment MEPRS Code file: the MDR CHCS Enrollment Cumulative Annual File and the DEERS LVM file.

1. Transmission (Format and Frequency):

Both the MDR CHCS Enrollment Cumulative Annual File and the LVM are updated monthly: see their respective functional specifications (the LVM specification is appendix G of the MDR DEERS VM6 functional specification, while the CHCS Enrollment File has its own functional specification.

1. Organization and Batching

Output Products: The Enrollment MEPRS Code processor produces a monthly format file so that the enrollment MEPRS code can easily be applied to other MDR datasets.

**Table 1: Enrollment MEPRS Code Output Product**

|  |  |  |
| --- | --- | --- |
| **Enrollment MEPRS Code Processor** | **File Naming Convention** | **Member Name** |
| Enrollment MEPRS Code format file | /mdr/pub/pcmh/fyXX/ | enr\_meprs.fmt |

Archival of files is also required, so that corresponding “apub” and other files (i.e., log, aprod, etc) are also loaded into the MDR according to routine operating procedures.

1. Receiving Filters

Include records from each data source as described in Table 2. The LVM files to include are those corresponding to the fiscal years (up to 2) reflected in the CHCS Enrollment File.

**Table 2: Receiving filters for each of the sources**

|  |  |
| --- | --- |
| **Source** | **Receiving Filter** |
| **CHCS Enrollment Feed** | None |
| **DEERS LVM** | Keep only records where at least one of the E segments indicates ACV is in (‘A’ ‘E’ ‘G’ ‘H’ ‘J’ ‘L’) (Prime and Plus enrollees) prior to Jan 2018. For Jan 2018 and later, keep only records where at least one segment includes an enrollment group of P or L. |

 Only the following variables are used to create the Enrollment MEPRS Code File.

**Table 3: Variables kept from each of the sources**

|  |  |
| --- | --- |
| **Source** | **Variables/Fields** |
| **CHCS Enrollment Feed** | All |
| **DEERS Enrollment File** | EDIPN;LENRMTF, LBGNDT, LENDDT (from segment E);LPCMID (from segment F) |

1. Update Process

Obtain the most recent CHCS Enrollment Cumulative Annual file and the LVM file for the current FY. Merge them based on PATUNIQ (from the CHCS Enrollment MEPRS Code datafile) and EDIPN (from the DEERS LVM file), keeping the E and F segment from the LVM record where:

* LVM LENRMTF=CHCS PCM\_DMISID;
* LVM LBGNDT= CHCS BDATE; and
* LVM LPCMID=PCM\_EDI\_PN.

Retain each CHCS Enrollment MEPRS Code record that matches the LVM on all four fields specified above, adding the LENDDT field from the matching LVM segment. Drop CHCS Enrollment MEPRS Code records that do not match the LVM on all four fields specified above.

1. Field Transformations

None.

1. Record Layout and Content

The MDR Enrollment MEPRS Code Format Files are fiscal year files, prepared from the results of item VI above, made longitudinal so that there is one record per EDI\_PN. The content of the format file for each FY is executable SAS code utilizing the SAS format procedure. An enrollment is included in the fiscal year file if any part of the enrollment is within that fiscal year. The format file will be at person-level and will contain information about the number of enrollments in that year, and information about each of those enrollments. There is no limit to the number of enrollments in a given year.

The first line in the Format File is the statement “proc format”. The format value is $enmepYYx, where YY represents the fiscal year of the file. Each line thereafter consists of the EDI\_PN and a concatenated string containing the following values, in order:

**Table 5: Values Associated with Enrollment MEPRS Code Proc Format String**

| **Variable** | **SAS Name** | **Start Position** | **Length** |
| --- | --- | --- | --- |
| Number of Enrollments in this Fiscal Year | N/A | 1 | 3 |
| First Begin Date of Enrollment (YYYYMMDD) | BDATE | 4 | 8 |
| First End Date of Enrollment (YYYYMMDD) | EDATE | 12 | 8 |
| First Enrollment MEPRS Code | MEPRS\_CODE | 20 | 4 |
| Second Begin Date of Enrollment (YYYYMMDD) | BDATE | 24 | 8 |
| Second End Date of Enrollment (YYYYMMDD) | EDATE | 32 | 8 |
| Second Enrollment MEPRS Code | MEPRS\_CODE | 40 | 4 |
| Nth Begin Date of Enrollment (YYYYMMDD) | BDATE | (n-1)\*20 + 4 | 8 |
| Nth End Date of Enrollment (YYYYMMDD) | EDATE | (n-1)\*20 + 12 | 8 |
| Nth Enrollment MEPRS Code | MEPRS\_CODE | (n-1)\*20 + 20 | 4 |

The last line in each format file is the SAS “other=” statement, i.e. other = ‘blank spaces’; which is used by SAS to assign values to people that do not have enrollments in the Enrollment MEPRS Code file.

For example, the Enrollment MEPRS Code format file for a given year would resemble (this is not real data):

proc format;

 value enmep12x

 ‘1234567890’ = ‘ 2’

‘2011060120111015BGZAY1’

‘2011101620120803BGZBY1’

 ‘1234567891’ = ‘etc….

 .

 .

 .

 other = ‘ ‘;

run;

1. Refresh Frequency
* The MDR Enrollment MEPRS Code file is updated monthly for the current fiscal year and for the previous fiscal year if six or fewer months have elapsed since it ended.
* The MDR Enrollment MEPRS Code file for fiscal years more than six months past are updated semi-annually, in October and April, if any additional CHCS Enrollment records or updates from that period have been captured.
1. Quality Review Requirements

In order to ensure processing is done correctly, several basic quality review requirements are presented in this section.

1. Basic Data Flow Process Check: A spreadsheet should be maintained that tracks record counts associated with each data step used in processing. Record counts from the raw monthly feeds should be recorded and checked. Significant variations in CHCS data should be noted and explored.
2. File Size: Record counts should increase with time, as enrollment increases with time.
3. Proc contents should be reviewed and compared against specifications to ensure conformance.
4. Frequency tabulations should be compared from cycle to cycle (for the most recent month being processed) for the following variables: PCM\_DMISID MEPRS\_CODE MED\_HOME ACCRED.
5. Routine feed and file management procedures should be followed for the Enrollment MEPRS Code processor.
6. Data Marts
7. Special Outputs

N/A

Appendix A: How to Apply Enrollment MEPRS Code Format File

To append information about the Enrollment MEPRS Code, and whether it is a Medical Home, the file should be merged to the same month of the Enrollment MEPRS Code format file by EDI\_PN, keeping the variable MEPRS\_CODE. If there is not a matching record in the Enrollment MEPRS Code format file, all three variables should be set to blank. This either indicates that the person is not enrolled, or that their enrollment was not found in the Enrollment MEPRS Code file.