**12 April 2010**

Longitudinal Eligibility (LELG)

for the

MHS Data Repository (MDR)

(Version 1.00.02)LELG Current Specification

**Revision History**

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| --- | --- | --- | --- | --- |
| **Version** | **Date**  | **Para/Tbl/Fig** | **Originator** | **Description of Change** |
| 1.00.00 | 11/05/2009 | * New specification
 | J. Hufford |  |
| 1.00.01 | 01/14/2010 | * File layout
 | J. Hufford | * Clarified language for MDR Longitudinal Eligibility Field (spelled out ACV and ENR and deleted the null (former FMP) row)
* Clarified MDR VM6 Field and Derivation Rules (replacing non-empty with more accurate text)
* Added U to criteria in Enrollment Region and Enrollment DMISID
* Changed PCM ID field length to 32 (from 18)
* No change to processor by these changes
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| 1.00.02 | 04/12/2010 | * File Layout
 | J. MacLeod | * In the Derivation Rules column, modified the list of ACVs being checked to include the value U.
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# MHS Data Repository (MDR) TRICARE Longitudinal Eligibility

1. Source

Original eligibility and enrollment information is captured in DEERS and transmitted to EI/DS via the DEERS VSAM MDR 2006 (VM6).

1. Transmission (Format and Frequency)

VM6 beneficiary-level files are processed monthly in the MHS Data Repository (MDR), producing many MDR core files; including the DEERS VSAM MDR VM6 Detail File (VM6). The MDR Longitudinal Eligibility file is prepared using the completed DEERS VM6 file of each month, including those created from walked-back or retrofitted data. Updates may involve more than one fiscal year at a time. The format of the DEERS VM6 file is specified in the MDR VM6 Functional Processing Specification of 11 March 2008.

1. Organization and batching
* MDR VM6 files are prepared in the MDR monthly, according to the MDR VM6 Functional Processing Specification referenced above.
* MDR Longitudinal Eligibility files are organized into annual files; with each month’s new MDR VM6 serving to update or add new information. MDR Longitudinal Eligibility fiscal year files are processed whenever new information is available in the VM6 for that year.
* MDR Longitudinal Eligibility files should be stored in the following directory in the MDR: /mdr/pub/deers/elg
1. Receiving Filters

Beneficiaries are uniquely identified in the MDR Longitudinal Eligibility process by the DEERS Patient ID. In preparation for applying each month’s new VM6 file to the Longitudinal Eligibility file, the VM6 source files are first limited to eligible, primary records (MHS Elg Indicator and Primary Record Flag). After completing this step, it is necessary that records with duplicate key values in the MDR VM6 be deleted. (Note this deletion is not permanently applied to the MDR VM6; it is only applied to the VM6 for the MDR Longitudinal Eligibility processing). The first choice for de-duplication is the record whose key matches an existing Longitudinal Eligibility record of the same year from the previous month. If none matches or more than one match exists, the last record read is kept. (This step is generally unnecessary for newer years’ data, but is included for completeness). Records with missing DEERS Patient IDs are deleted.

1. Field Transformations

None

1. Updating the Master Tables
* Each annual MDR Longitudinal Eligibility table contains a record for each beneficiary that has been MHS Eligible at any time during a given year, up to the most recent month’s processed data.
* The MDR Longitudinal Eligibility annual tables are updated each month using the monthly MDR VM6 files.
* The MDR LELG file for a given year is created by taking each monthly VM6 that is available in the year, limiting to primary, eligible records, and then populating data elements according to table 1.
* The final processing step in the preparation or update of the TRICARE MDR Longitudinal Eligibility file is to sort the file by sponsor social security number, date of birth and gender.
* LELG files are updated whenever the source data are updated.
1. File Layout and Content

The table below reflects the fields as they exist in the monthly MDR Longitudinal Eligibility files following processing.

| MDR Longitudinal Eligibility Field | SAS Name | MDR VM6 Field and Derivation Rules | Format |
| --- | --- | --- | --- |
| DEERS Dependent Suffix[[1]](#footnote-1) | DDS | LEG\_DDS\_CD | $2 |
| Enrollment Region | REG | If latest value of ACV is in {M,R,U,Z}, or if no eligible record in latest month, then set to blank. Otherwise, use latest reported value for data element D\_ENR\_RGN\_CD in MDR VM6 | $2 |
| Family Sequence ID | FSN | SPN\_DUP\_ID | $1 |
| Sponsor Branch of Service, Aggregated | SVC | Value reported in most recent DEERS VM6 record on which beneficiary was MHS-eligible, for data element D\_SPON\_BR\_SVC\_CD in MDR VM6 | $1 |
| Beneficiary Gender | SEX | Value reported in most recent DEERS VM6 record on which beneficiary was MHS-eligible, for data element PN\_SEX\_CD in MDR VM6 | $1 |
| Equivalent Lives Beneficiary Group | BCAT | Value reported in most recent DEERS VM6 record on which beneficiary was MHS-eligible,data element MDR\_EL\_BENGRP in MDR VM6 | $6 |
| Sponsor Social Security Number | SPONSSN | SPN\_PN\_ID | $9 |
| Date of Birth | DOBNEW | PN\_BRTH\_DT | $8 |
| Ben Cat Common | COMBEN | Value reported in most recent DEERS VM6 record on which beneficiary was MHS-eligible, for data element D\_COM\_BEN\_CAT\_CD in MDR VM6 | $1 |
| Patient Identifier | PATUNIQ | DOD\_EDI\_PN\_ID | $10 |
| Ben Cat Common <month> | BENfm | Derived from COMBEN, FY, and FM. . Set to blank for any month and year for which no eligible record is found in VM6 file. | $1 |
| Alternate Care Value <month> | ACVfm | Derived from MDR\_ACV, FY and FM. Set to blank for any month and year for which no eligible record is found in VM6. | $1 |
| Enrollment DMIS ID <month> | ENRfm | Derived from D\_MI\_PCM\_EDVSN\_DMIS\_ID, FY and FM . Set to blank for any month and year for which no eligible record is found in VM6, or for which ACV is in {M,R,U, Z}. | $4 |
| Privilege Code | DMEDELG | Value reported in most recent DEERS VM6 record on which beneficiary was MHS-eligible,for data element D\_ELG\_CD in MDR VM6 | $1 |
| Zip Code | DZIPCD | Value reported in most recent DEERS VM6 record on which beneficiary was MHS-eligible,for data element D\_ZIP\_CD in MDR VM6 | $5 |
| PCM ID | PCMID | If latest value of ACV is in {M,R,U, Z}, or if no eligible record in latest month, then set to blank. Otherwise, use latest reported value for data element D\_MI\_PCM\_ID in MDR VM6 | $32 |
| Catchment Area ID of Record | DCATCH | Value reported in most recent DEERS VM6 record on which beneficiary was MHS-eligible,for data element D\_CATCH\_AREA\_CD in MDR VM6 | $4 |
| PRISM Area ID of Record | DPRISM | Value reported in most recent DEERS VM6 record on which beneficiary was MHS-eligible,for data element D\_PRISM\_CD in MDR VM6 | $4 |
| Latest fiscal month of data for beneficiary  | LASTFM | Month of latest reported MHS eligibility data for a given individual | $2 |
| HSSC Enrollment Region | DHSSCREG | Value reported in most recent DEERS VM6 record on which beneficiary was MHS-eligible,for data element D\_HSSC\_ENR\_RGN\_CD in MDR VM6 | $1 |
| Person Association Reason Code | PNARSN | Value reported in most recent DEERS VM6 record on which beneficiary was MHS-eligible,for data element PNA\_RSN\_CD in MDR VM6 | $2 |
| Number of Months Eligible | NUM\_MONS\_ELG | Sum number of nonths beneficiary is considered MHS eligible in the fiscal year  | 3 |
| Number of Months Enrolled | NUM\_MONS\_ENR | Sum number of months beneficiary is considered to be a enrolled in prime (ACV=A, B, E, F, H, J, Q) in the fiscal year.  | 3 |

1. Refresh Frequency

MDR Longitudinal Eligibility FY files are refreshed monthly or whenever new VM6 files are available. At that time, MDR Longitudinal Eligibility FY files are no longer refreshed, unless a data quality error is discovered.

1. Special Outputs

The MDR Longitudinal Eligibility file is used to prepare an extract for the M2. See M2 LELG Ver

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1. Data Quality Control

The processor should conduct monthly quality assurance checks to ensure input and output data are valid, complete, and reliable. At a minimum, the processor should:

* Ensure LELG monthly primary, eligible beneficiary counts match VM6 primary, eligible counts
* Compare monthly enrollment counts from the LELG with monthly TRICARE Relationship File enrollment counts to ensure accuracy (where ACV<FM> is populated and not Z)
* For each month of VM6 data read in, ensure frequency counts of included variables match LELG output for beneficiaries included in each month (where BEN<FM> is not blank).
* Determine that file size differences on a monthly basis appear appropriate
* Evaluate post-processing values for data that appear out of the ordinary, or not consistent with SME expected values (face validity)
1. ######  Legacy DDS on the raw DEERS VM6 record is populated by source file February 2007 and earlier; it is populated by a merge to the February 2007 MPI file for March 2007 through September 2007, and remain unpopulated for FY 2008 and later.

 [↑](#footnote-ref-1)