# MHS Data Repository (MDR) TRICARE Longitudinal Enrollment File

1. Source

Original enrollment information is captured in the DEERS Online Enrollment System (DOES), and transmitted to EI/DS via the DEERS Point in Time Extract (PITE).

1. Transmission (Format and Frequency)

MDR Point in Time Extract Beneficiary Level files are processed monthly in the MHS Data Repository, producing many MDR core files; including the MDR TRICARE Enrollment File (TEF). The MDR Longitudinal Enrollment File (LENR) is prepared using the completed MDR TRICARE Enrollment File of each month. The format of the MDR TRICARE Enrollment file is specified in the MDR PITE Functional Processing Specification of 22 January 2003.

1. Organization and batching

* MDR TEFs are prepared in the MDR monthly, according to the MDR PITE Functional Processing Specification referenced above.
* MDR LENR files are organized into annual files; with each month’s new MDR TEF serving to update or add new information. Once a fiscal year is complete, the corresponding annual MDR LENR file is not reprocessed (except upon the discovery of data quality issues). The last MDR TEF of a given FY is used to create the initial FY MDR Longitudinal file for the following year.

1. Receiving Filters

Beneficiaries are uniquely identified in the MDR LENR process by the DEERS Patient ID[[1]](#footnote-1) In preparation for applying each month’s new TEF file to the LENR file, it is necessary that records with duplicate key values in the MDR TEF be deleted. (Note this deletion is not permanently applied to the MDR TEF; it is only applied to the TEF for the MDR LENR processing). The first choice for de-duplication is the record whose key matches an existing LENR record of the same year from the previous month. If none matches or more than one match, the last record read is kept.

1. Field Transformations

None

1. Updating the Master Tables

* Each annual MDR LENR table contains a record for each beneficiary that has been enrolled in TRICARE Prime, TRICARE Plus, TRICARE Senior Prime or the USFHP Program at any time during a given year, up to the most recent month’s processed data.
* The MDR LENR annual tables are updated each month using the monthly MDR TEF
* Records are appended to the MDR LENR table each month for beneficiaries who appear for the first time in the month’s MDR TEF (no existing LENR record). In this case, MDR LENR fields are populated directly from content in the MDR TEF.
* Records for beneficiaries in the MDR LENR table are updated each month; whenever a beneficiary record is in both the MDR LENR table and the new month’s MDR TEF. The update is accomplished by:

1. adding the new month’s enrollment data (enrollment DMISID and ACV) for the beneficiary to both the current month’s and next month’s ACV and ENR values.
2. updating the demographic fields enrollment region, common beneficiary category, equivalent lives beneficiary group, gender and sponsor service to reflect what is reported in the MDR TEF of the processing month. (Consequently, the demographic data of any prior year LENR represents the September TEF of that year unless a beneficiary was not enrolled in September.).
3. assigning “lastfm”, indicating the most recent fiscal month for which a beneficiary’s enrollment is reported in the TEF .

* Records for beneficiaries who are in the longitudinal enrollment file but are not in the current month’s MDR TEF. In this case, the update involves “blanking out” the values for the current month for alternate care value, common bencat and enrollment DMISID (these values would have been added prospectively in the last month’s processing of LENR, as described in step 1 above
* The final processing step in the preparation or update of the TRICARE MDR LENR file is to sort the file by sponsor social security number, date of birth and gender.

1. File Layout and Content

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

| MDR LENR Field | SAS Name | MDR TEF Field and Derivation Rules | Format |
| --- | --- | --- | --- |
| DEERS Dependent Suffix | DDS | DDS | $2 |
| Enrollment Region | REG | Latest reported (non-empty) value for data element REGION in MDR TEF | $2 |
| Family Sequence ID | FSN | FSN | $1 |
| Sponsor Branch of Service, Aggregated | SVC | Latest reported (non-empty) value for data element SERVICE in MDR TEF | $1 |
| Beneficiary Gender | SEX | Latest reported (non-empty) value for data element GENDER in MDR TEF | $1 |
| Equivalent Lives Beneficiary Group | BCAT | Latest reported (non-empty) value for data element BENCAT in MDR TEF | $6 |
| Sponsor Social Security Number | SPONSSN | SPONSSN | $9 |
| Date of Birth | DOBNEW | DOB | $8 |
| Ben Cat Common | COMBEN | Latest reported (non-empty) value for data element comben in MDR TEF | $1 |
| Patient Identifier | PATUNIQ | PATUNIQ | $10 |
| Ben Cat Common fycm | BENfycm | Derived from COMBEN, FY, and CM. All previous months left unchanged. Current month is blank if no matching record in lates TEF | $1 |
| ACVfycm | ACVfycm | Derived from ACV, FY and CM. All previous months are left unchanged. Current month is blank if no matching record in latest month TEF. | $1 |
| ENRfycm | ENRycm | Derived from ENR, FY and CM All previous months are left unchanged. Current month is blank if no matching record in latest month TEF | $4 |
| Privilege Code | DMEDELG | Latest reported (non-empty) value for data element DMEDELG in MDR TEF | $1 |
| Zip Code | DZIPCD | Latest reported (non-empty) value for data element DZIPCD in MDR TEF | $5 |
| PCM ID | PCMID | Latest reported (non-empty) value for data element PCMID in MDR TEF | $18 |
| Catchment Area ID of Record | DCATCH | Latest reported (non-empty) value for data element DCATCH in MDR TEF | $4 |
| PRISM Area ID of Record | DPRISM | Latest reported (non-empty) value for data element DPRISM in MDR TEF | $4 |
| Family Member Prefix | FMP | Latest reported (non-empty) value for data element FMP in MDR TEF | $2 |
| Fiscal Month (of most recently reported data in MDR enrollment file) | LASTFM | Month of latest reported enrollment data for a given individual | $2 |
| HSSC Enrollment Region Code | DHSSCENR | Latest reported (non-empty) value for data element DHSSCENR in MDR TEF | $1 |

1. Refresh Frequency

MDR LENR FY files are refreshed each month until the last month’s TRICARE Enrollment file are incorporated. At that time, MDR LENR FY files are no longer refreshed, unless a data quality error is discovered.

1. Special Outputs

The MDR LENR file is used to prepare an extract for the M2.

1. The legacy MDR LENR process used the sponsor social security number and DEERS Dependent Suffix as a key. [↑](#footnote-ref-1)