**30 Jan 2014**

FHIE CAPER Processing

for the

MHS Data Repository (MDR)

(Version 1.00.01)

Current Specification

**Revision History**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Version** | **Date**  | **Para/Tbl/Fig** | **Originator** | **Description of Change** |
| 1.00.00 | 10/23/2013 | * Initial publication
 | N. Bowling |  |
| 1.00.01 | 1/30/2014 | * Table 1
* VI. Update Process
* Table 2
* Table 3
 | N. Bowling | * Corrected Table Name
* Clarified Update Process
* Added additional external ref files
* Clarified column names; updated output order to VA feed; added additional fields; removed unnecessary fields
 |

 **FHIE CAPER for the MDR**

1. Background:

The MHS provides health information to the Veteran’s Administration and DMDC for service members who have separated from the military. This file is processed against the MDR DMDC separatee file to create a subset of CAPER data about beneficiaries who may become VA eligible.

1. Source:

The source of this file is the MDR CAPER Enhanced file.

1. Transmission (Format and Frequency):

N/A

1. Organization and Batching

Output Products: The MDR CAPER processor produces the files described in table 1. The preparation of them is described in subsequent sections of this document.

**Table 1: MDR FHIE CAPER Processor Output Products**

|  |  |  |
| --- | --- | --- |
| **File** | **File Naming Convention** | **Member Name** |
| MDR FHIE CAPER | mdr/pub/fhie/caper.sds | Yymm |
| MDR FHIE CAPER Text | mdr/pub/fhie/caper.yymmdd.txt |  |

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

N/A

1. Update Process

Each month, the MDR Separatee file is read in from DMDC and the resulting file is matched by DEERS Person ID to the MDR CAPER Enhanced files for all years, only retaining records from the CAPER Enhanced that match a record in the separatee file.

1. Field Transformations and Deletions for MDR Core Database

Minimal field transformations are derived in processing. Necessary merges are described in table 2.

**Table 2: External Reference File Merges**

| **Merge** | **Date Matching** | **Additional Matching** |
| --- | --- | --- |
| MDR Separatee File | N/A | DEERS Person ID |
| Separatee Encounter File | N/A | Provider Specialty |
| ICD-9 CM Diagnosis File | N/A | Diagnoses 1 – 4 |
| MEPRS 3 Code File | N/A | MEPR3 Code |

Business rules for each of the appended fields that result from the merge above, are described in the body of the table in Section VIII.

Business rules are described in the body of table 3.

1. Record Layout and Content

The table below describes the content of the MDR FHIE CAPER file.

**Table 3: MDR FHIE CAPER Dataset Structure and Business Rules**

| **Data Element** | **SAS Name** | **Format** |  **SAS Name from Source File** | **Output Order in VA Text Feed** | **Business Rule** |
| --- | --- | --- | --- | --- | --- |
| Appointment Prefix | APPTFIX | $1 | APPTFIX |  |  |
| Appointment EIN | APPTIDNO | $10 | APPTIDNO |  |  |
| CHCS Host | HOSTDMIS | $4 | HOSTDMIS |  |  |
| CAPER Extract Date | EXTRDATE | YYYYMMDD | EXTRDATE |  |  |
| Fiscal Year | FY | $4 | FY |  |  |
| Treatment DMIS ID | DMISID | $4 | DMISID | 2 |  |
| Provider ID, Appt(formerly Appt Provider ID) | PROVID1 | $9 | PROVID1 | 4 |  |
| Family Member Prefix | FMP | $2 | FMP | 6 |  |
| Sponsor Social Security Number | SPONSSN | $9 | SPONSSN | 7 |  |
| E&M Code 1 | CPT\_1 | $5 | CPT\_1 | 8 |  |
| Service Date | ENCDATE | $8 | ENCDATE | 10 |  |
| Date of Birth | PATDOB | $8 | PATDOB | 11 |  |
| Gender | PATSEX | $1 | PATSEX | 12 |  |
| Beneficiary Category | BENCATX | $3 | BENCATX | 13 |  |
| Diagnosis 1 | DX1 | $7 | DX1 | 14 |  |
| Diagnosis 2 | DX2 | $7 | DX2 | 16 |  |
| Diagnosis 3 | DX3 | $7 | DX3 | 18 |  |
| Diagnosis 4 | DX4 | $7 | DX4 | 20 |  |
| Procedure 1 | CPT\_4 | $5 | CPT\_4 | 22 |  |
| Procedure 2 | CPT\_5 | $5 | CPT\_5 | 24 |  |
| Procedure 3 | CPT\_6 | $5 | CPT\_6 | 26 |  |
| Procedure 4 | CPT\_7 | $5 | CPT\_7 | 28 |  |
| Provider Specialty, Appt(formerly Appt Provider Specialty) | PROVSPEC1 | $3 | PROVSPEC1 | 37 |  |
| Ambulatory Proc Visit Flag | APV | $1 | APV | 39 |  |
| Same Day Surgery Proc | SDS | $1 | SDS | 40 |  |
| Person ID | EDIPN | $10 | EDIPN | 41 |  |
| Disposition Code | DISPCODE | $1 | DISPCODE | 42 |  |
| Inpatient indicator | PATSTAT | $1 | PATSTAT | 43 |  |
| MEPRS3 Code | MEPR3 | $3 | MEPR3 | 44 |  |
| PCM ID | PCMIDLVM | $18 | PCMIDLVM | 46 |  |
| **Internally Derived Fields** |
| Patient ID |  | $11 |  | 1 | Derived using Appointment Prefix and Associated Appointment EIN:PATID = APPTPFIX || APPTIDNO |
| SADR Appointment Status | SADRAPPT | $1 | APPTSTAT, CANCSTAT | 36 | Derived using Appointment Status and Appointment Cancellation Status Type:If APPTSTAT=2 then SADRAPPT=1; If APPTSTAT=4 then SADRAPPT=7; If APPTSTAT=5 then SADRAPPT=3; If APPTSTAT=6 then SADRAPPT=4; If APPTSTAT=7 then SADRAPPT=6; If CANCSTAT=5,8,9 then SADRAPPT=CANCSTAT; else SADRAPPT is blank |
| FHIE Pull Date | FHIE\_PULL\_DATE | YYYYMMDD |  | 50 | Date records for this person were prepared for FHIE |
| **From Separatee File Merge** |
| Patient Last Name | LASTNAME | $27 | LASTNAME | 48 | Merged by Person ID  |
| Patient First Name | FIRSTNAME | $20 | FIRSTNAME | 49 | Merged by Person ID |
| Separation Date | SEP\_DATE | YYYYMMDD | SEP\_DATE | 51 | Merged by Person ID |
| **From Separatee Encounter File Merge** |
| Provider Specialty Description |  | $40 | PROV\_SPEC\_DESC | 38 | Merged by Provider Specialty, Appt |
| **From ICD-9 CM Diagnosis File Merge** |
| Diagnosis 1 Description |  | $25 | DX\_1\_DESC | 15 | Merged by Diagnosis 1 |
| Diagnosis 2 Description |  | $25 | DX\_2\_DESC | 17 | Merged by Diagnosis 2 |
| Diagnosis 3 Description |  | $25 | DX\_3\_DESC | 19 | Merged by Diagnosis 3 |
| Diagnosis 4 Description |  | $25 | DX\_4\_DESC | 21 | Merged by Diagnosis 4 |
| **From MEPRS 3 Code File Merge** |
| MEPRS 3 Code Description |  | $50 | MEPDESC | 45 | Merged by MEPRS 3 Code |

1. Refresh Frequency

Monthly

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 inbound and outbound. Only CAPER records with a match to the DMDC Separatee File should be kept.
2. File Size: Record counts should increase in the feed each month. If they do not, contact the source.
3. Proc contents should be reviewed and compared against specifications to ensure conformance.
4. A frequency of CY, gender, FMP, BenCat Common, Appoint Status, Appointment Cancellation Status Type, and SADR Appointment Status should be reviewed to see if major changes have occurred. If so, the functional proponent should be alerted.
5. Routine feed and file management procedures should be followed for the MDR DMDC Separation file.
6. Data Marts

N/A

1. Special Outputs

N/A