**20 September 2018**

Ancillary Radiology

for the MHS Mart (M2)

(Version 1.12.02)

Current Specification

**Revision History**

| **Version** | **Date** | **Originator** | **Para/Tbl/Fig** | **Description of Change** |
| --- | --- | --- | --- | --- |
| 1.00.00 |  |  |  | * Initial versioned document |
| 1.01.00 | 03/25/2009 | M. Weston |  | * Added TPR Eligibility Flag |
| 1.01.01 | 01/15/2010 | M. Weston | * Table | * Added Days Since Return from GWOT Depl * Other administrative changes * This update does not impact processing code. |
| 1.02.00 | 04/26/2011 | M. Weston | * Table | * Replaced Related Record ID with Appointment Record ID to correspond with CAPER * Added Inpatient Record ID to correspond with SIDR * Renamed “GWOT” fields to “OCO” |
| 1.03.00 | 05/27/2011 | M. Weston | * Table | * Renamed Patient Registry Number to Inpatient Record ID to correspond with SIDR. * Corrected field formats for OCO. |
| 1.04.00 | 03/05/2012 | K. Hutchinson | * Table 1 * Table 2 | * Indicated Person ID and PCM ID are visible only in the restricted universe. * Added Pseudo Person ID and Pseudo PCM ID |
| 1.05.00 | 04/05/2012 | K. Hutchinson | * Table 1 * Table 2 | * Added Medical Home fields. * Added MEPRS descriptions. |
| 1.06.00 | 05/16/2012 | K. Hutchinson | * Table 1 * Table 2 | * Removed PPS Market Value fields |
| 1.07.00 | 05/22/2012 | K. Hutchinson for S. Keane | * Table 1 and 2 | * Remove encryption of PCM ID. |
| 1.08.00 | 08/13/2012 | S. Keane | * Table 1 | * Removed PPS Market Value fields |
| 1.09.00 | 10/01/2012 | S. Keane | * Table 1 and 2 | * Updated Medical Home fields. |
| 1.10.00 | 04/04/2013 | K. Hutchinson for S. Keane | * Table 2 | * Modified ACV Group for ACV R and V |
| 1.11.00 | 10/20/2015 | S. Keane | * Table 2 | * Add UDO variables that link Ancillary to SIDR and CAPER. |
| 1.12.00 | 09/08/2017 | K. Hutchinson | * Table 1 and 2 | * Added new fields related to NDAA 2017, region transition * Hide obsolete fields * Renamed fields |
| 1.12.01 | 10/10/2017 | B. Ross for W. Funk | * Table 1 | * Changed labels for consistency * Changed Eligibility Group and Enrollment Group type to Char(1) |
| 1.12.02 | 09/20/2018 | B. Ross | * Table 1 | * Changed ACV Group Transformation |

Radiology Ancillary Record Feed for the MHS Mart (M2)

1. File format: Regardless of the length specified, all fields are variable length and delimited by “!”. Immediately following the previous field’s end of field delimiter, a null field will have **no** blank before an end of field delimiter “!”, (e.g., “!!”).
2. Record Selection: Batches are by fiscal year. Original batches include all ancillary records with a Record Type=”R” that have not been cancelled.
3. Refresh Batches: Batches are by fiscal year with the Record ID (M2Key) the first element in the “new/updated” file. New/updated radiology ancillaries are kept separate (a different file) from a delete file. The delete file is used to purge the existing M2 database of records that are being updated or dropped PRIOR to loading the update file for the same FY. The record key for both files is the Record ID (M2Key) which is an encrypted numbering sequence continuing across fiscal years. The delete file contains only the record key, Record ID (M2Key).

Frequency of updates:

* Current FY: Once per month.
* Prior FY: monthly for two months (October, November), then semi-annual (April).
* Second year prior to FY: Annually (October).
* No earlier years will be updated.

1. MDR Feed to M2: The table below includes all the fields received or derived in the MDR that are fed to the M2.

### Table 1. File Layout and Transformation Rules to Prepare the Feed to go to M2

| **M2 Object** | **Type and Length**  **Indicator[[1]](#footnote-1)** | **MDR Element Name(s)** | **Comment or Transformation** |
| --- | --- | --- | --- |
| Record ID | $6 | M2key | No transformation. This element will be the first element in the M2 feed. |
| ACV | $1 | acv | No transformation. Note: ACV from LVM4 merge is replacing ACV1. |
| Age | 3 | patage | No transformation. |
| Beneficiary Category | $3 | bencat | No transformation. |
| Ben Cat Common | $1 | comben | No transformation. |
| Beneficiary Zip Code | $5 | patzip | No transformation. |
| Date of Birth | yyyymmdd | dob | No transformation. |
| Diagnosis 1 | $6 | dx1 | No transformation. --- Hide |
| Diagnosis 2 | $6 | dx2 | No transformation. --- Hide |
| Diagnosis 3 | $6 | dx3 | No transformation. --- Hide |
| Diagnosis 4 | $6 | dx4 | No transformation. --- Hide |
| Enrollment Site | $4 | enrdmis | No transformation. |
| External Indicator | $1 | external | No transformation. |
| FMP | $2 | fmp | No transformation. |
| Full Cost | 8.2 | fullcost | No transformation. |
| FY | $4 | fy | Derived from Service Date. |
| FM | $2 | fm | Derived from Service Date. |
| Gender | $1 | sex | No transformation. |
| Inpatient Indicator | $1 | inpt | No transformation. |
| Privilege Code | $1 | privcode | No transformation. |
| Medicare Eligibility | $1 | Medelg | No transformation. |
| Number of Services | 2 | drvcount | No transformation. |
| Ordering Site of Record | $4 | orddmis | No transformation. |
| MEPRS4 Code, Ordering | $4 | meprscd | No transformation. |
| Other Insurance | $1 | ohi | No transformation. |
| PCM ID | $18 | pcmid | No transformation. |
| Person ID | $10 | edipn | No transformation.  Visible only in the restricted universe. |
| Procedure Code | $5 | cpt | No transformation. |
| Procedure Code Modifier 1 | $2 | cptmod | No transformation. |
| Procedure Code Modifier 2 | $2 | mod | No transformation. |
| Appointment Record ID | $10 | apptno | Remove leading and trailing blanks. |
| Relationship to Sponsor | $1 | rel | No transformation. |
| RVU, Facility | 6.2 | fprvu | No transformation. |
| RVU, Non-Facility | 6.2 | nprvu | No transformation. |
| RVU, Total | 6.2 | rvu | No transformation. |
| RVU, Work | 6.2 | rvuwork | No transformation. |
| Space Available Flag | $1 | spaflag | No transformation. |
| Service Date | yyyymmdd | servdate | No transformation. |
| Sponsor ID | $9 | sponssn | No transformation. |
| Sponsor Service | $1 | svc | No transformation. |
| Sponsor Service, Aggregate | $1 | svcagg | No transformation. |
| Tmt DMIS ID | $4 | tmtdmis | No transformation. |
| Variable Cost | 8.2 | varcost | No transformation. |
| Number of Services of Record | 2 | count | No transformation |
| Underwritten Region | $1 | Undflag | Hide. |
| Person Association Reason Code | $2 | PARC | No transformation |
| HCDP – Enrolled | $3 | hcdplvm4 | No transformation |
| Exam Number | $17 | accessno | No transformation |
| TPR Eligibility Flag | $1 | TPRelig | No transformation |
| Inpatient Record ID | $7 | prn | Remove leading and trailing blanks. |
| Enrollment MEPRS Code | $4 | med\_home\_meprs | No transformation.  Populated FY11+. |
| Medical Home Flag | $1 | med\_home\_flag | Hide. |
| ACV Group | $15 | ACVGRP | No transformation in M2. In MDR, when preparing the M2 feed; if service date >=1/1/18 then: map  “PR” to “Prime”  “DP” to “Desig Prov”  “OP” to “Overseas Remote”  “PL” to “Plus”  “O” to “Other”  “R” to “Reliant”; else: If ACV = A, E, H, or J then “Prime” |
| Eligibility Group | Char(1) | ELG\_GRP | No transformation.  Populated FY12+. |
| Enrollment Group | Char(1) | ENR\_GRP | No transformation.  Populated FY12+. |
| Enrollment PCM Type | Char(1) | PCM\_TYPE | No transformation.  Populated FY12+. |
| HCDP – Assigned | Char(3) | HCDP\_ASSGN | No transformation.  Populated FY12+. |
| Enrollment Site T3 Region | Char(2) | ENR\_REG\_T3 | No transformation.  Populated FY12+. |
| Enrollment Site T17 Region | Char(2) | ENR\_REG\_T17 | No transformation.  Populated FY12+. |
| Beneficiary T3 Region | Char(2) | BEN\_REG\_T3 | No transformation.  Populated FY12+. |
| Beneficiary T17 Region | Char(2) | BEN\_REG\_T17 | No transformation.  Populated FY12+. |
| Tmt DMIS ID T3 Region | Char(2) | MTF\_REG\_T3 | No transformation.  Populated FY12+. |
| Tmt DMIS ID T17 Region | Char(2) | MTF\_REG\_T17 | No transformation.  Populated FY12+. |
| Ordering Site of Record T3 Region | Char(2) | ORD\_REG\_T3 | No transformation.  Populated FY12+. |
| Ordering Site of Record T17 Region | Char(2) | ORD\_REG\_T17 | No transformation.  Populated FY12+. |

1. M2-Inferred Fields: The radiology ancillary table as viewed in the M2 includes multiple fields that are not in the feed. These fields result from “joins” to other tables, sometimes with additional math, and are consequently not in the feed. M2-inferred fields include:

**Table 2. Fields Appended in the M2**

| **M2 Object** | **Type and Length**  **Indicator[[2]](#footnote-2)** | **Comment or Transformation** |
| --- | --- | --- |
| Age Group Common | $1 | A = 0-4 G = 45-64  B = 5-14 H = 65-69  C = 15-17 I = 70-74  D = 18-24 J = 75-79  E = 25-34 K = 80-84  F = 35-44 L = 85+ |
| Beneficiary Last Name | $26 | Join to MPI Table on upid |
| Beneficiary First Name | $20 | Join to MPI Table on upid |
| Beneficiary Name | $70 | Join to MPI Table on upid displayed as LAST, FIRST, MIDDLE, CADENCY |
| Case Management Acuity Level | Char(1) | Join to Case Management table. See the Case Management Specification. |
| Case Manager ID 1 | Char(14) | Join to Case Management table. See the Case Management Specification. |
| Case Manager ID 2 | Char(14) | Join to Case Management table. See the Case Management Specification. |
| Case Manager ID 3 | Char(14) | Join to Case Management table. See the Case Management Specification. |
| Case Management DMIS ID | Char(4) | Join to Case Management table. See the Case Management Specification. |
| Catchment Area Command | $6 | Join to the DMIS Table by FY and Catchment Area ID. |
| Catchment Area ID | $4 | Join to the Market Area Table by FY and Beneficiary Zip Code. |
| Catchment Area Military Service | $1 | Join to the DMIS Table by FY and Catchment Area ID. |
| Catchment Area MSMA | $3 | Join to the DMIS Table by FY and Catchment Area ID. |
| Catchment Area Name | $40 | Join to the DMIS Table by FY and Catchment Area ID. |
| CM | $2 | Derived from Service Date. |
| CY | $4 | Derived from Service Date. |
| Enrollment Site Command | $6 | Join to the DMIS Table by FY and Enrollment Site. |
| Enrollment Site DHP Code | $1 | Join to the DMIS Table by FY and Enrollment Site. |
| Enrollment Site Military Service | $1 | Join to the DMIS Table by FY and Enrollment Site. |
| Enrollment Site MSMA | $3 | Join to the DMIS Table by FY and Enrollment Site. |
| Enrollment Site Name | $40 | Join to the DMIS Table by FY and Enrollment Site. |
| Enrollment Site Parent | $4 | Join to the DMIS Table by FY and Enrollment Site. |
| Enrollment Site Parent Name | $40 | Join to the DMIS Table by FY and Enrollment Site Parent. |
| Ever Deployed Flag (OCO) | Char(1) | Join to Contingency Tracking table. See the Contingency Tracking System Specification. |
| Days Since Most Recent OCO Deployment | N(5) | Join to Contingency Tracking. See the Contingency Tracking System Specification. |
| Days Since Return from OCO Depl | Char(5) | Join to Contingency Tracking. See the Contingency Tracking System Specification. |
| Cumulative OCO Days Deployed | Char(5) | Join to Contingency Tracking table. See the Contingency Tracking System Specification. |
| OCO Deployed Flag | Char(1) | Join to Contingency Tracking table. See the Contingency Tracking System Specification. |
| IIW Flag[[3]](#footnote-3) | Char(1) | Join to IIW table.See the IIW Specification. |
| Geo Concepts (2-8) | $3 | Join to Market Table.  *(Hide)* |
| Market Area ID | $4 | Join to the Market Table by FY, FM, Beneficiary Zip Code, and Sponsor Service. |
| MEPRS3 Code, Ordering Description | $54 | Joined to MEPRS 3 Code Reference table by FY and MEPRS3 Code, Ordering. |
| MEPRS4 Code, Ordering Description | $50 | Joined to MEPRS 4 Code Reference table by FY, Tmt DMIS ID and MEPRS4 Code, Ordering. |
| MTF Service Area | $4 | Join to the Market Table by FY, FM, Beneficiary Zip Code, and Sponsor Service. |
| MTF Service Area Name | $40 | Join to the Market Table by FY, FM, Beneficiary Zip Code, and Sponsor Service. |
| Number of Records | 9 | Count of Record ID. |
| Ordering Site of Record Command | $6 | Join to the DMIS Table by FY and Ordering Site. |
| Ordering Site of Record DHP Code | $1 | Join to the DMIS Table by FY and Ordering Site of Record. |
| Ordering Site of Record Mil Svc | $1 | Join to the DMIS Table by FY and Ordering Site of Record. |
| Ordering Site of Record MSMA | $3 | Join to the DMIS Table by FY and Ordering Site of Record. |
| Ordering Site of Record Name | $40 | Join to the DMIS Table by FY and Ordering Site of Record. |
| MEPRS3 Code, Ordering | $3 | MEPRS4 Code, Ordering is trimmed to 3rd level. |
| MEPRS2 Code, Ordering | $2 | MEPRS4 Code, Ordering is trimmed to 2nd level. |
| MEPRS1 Code, Ordering | $1 | MEPRS4 Code, Ordering is trimmed to 1st level. |
| Prime Service Area | $1 | Join to the Market Table by FY, FM, Beneficiary Zip Code, and Sponsor Service. |
| PRISM Area Command | $6 | Join to the DMIS Table by FY and PRISM Area ID. |
| PRISM Area ID | $4 | Join to the Market Table by FY, FM, Beneficiary Zip Code, and Sponsor Service. |
| PRISM Area Military Service | $1 | Join to the DMIS Table by FY and PRISM Area ID. |
| PRISM Area MSMA | $3 | Join to the DMIS Table by FY and PRISM Area ID. |
| PRISM Area Name | $40 | Join to the DMIS Table by FY and PRISM Area ID. |
| Pseudo Sponsor ID | $9 | Scrambling algorithm applied to Sponsor ID. |
| Pseudo Person ID |  | Encryption algorithm applied to Person ID. |
| Special HCDP Code | $3 | Join to the Special HCDP table by Service Date. |
| Reservist Status Code | $1 | Join to Reservist Table by Sponsor SSN and Service Date. |
| Special Operations Code | $2 | Join to Reservist Table by Sponsor SSN and Service Date. |
| Tmt DMIS ID Command | $6 | Join to the DMIS Table by FY and Tmt DMIS ID. |
| Tmt DMIS ID DHP Code | $1 | Join to the DMIS Table by FY and Tmt DMIS ID. |
| Tmt DMIS ID Military Service | $1 | Join to the DMIS Table by FY and Tmt DMIS ID. |
| Tmt DMIS ID MSMA | $3 | Join to the DMIS Table by FY and Tmt DMIS ID. |
| Tmt DMIS ID Name | $40 | Join to the DMIS Table by FY and Tmt DMIS ID. |
| Tmt Parent DMIS ID | $4 | Join to the DMIS Table by FY and Tmt DMIS ID. |
| Tmt Parent DMIS ID Name | $40 | Join to the DMIS Table by FY and Tmt DMIS Parent. |
| TPR Flag | $1 | Join to the Market Area Table by FY, FM, Beneficiary Zip Code, and Sponsor Service. |
| Tmt DMIS ID/Appoint Record ID | $14 | M2 User Defined Object (UDO) that is the concatenation of Tmt DMIS ID and Appointment Record ID. |
| Tmt DMIS ID/InPatient Record ID | $14 | M2 User Defined Object (UDO) that is the concatenation of Tmt DMIS ID and Inpatient Record ID. |

1. A $ sign indicates a character variable; the absence of a dollar sign is a numeric variable. All numbers include decimals in the feed if not integers. The format is the total length in the first integer, with the number of decimal places in the feed following the decimal. Hence, format “6.2” allows for a number as big as “999.99”. [↑](#footnote-ref-1)
2. A $ sign indicates a character variable; the absence of a dollar sign is a numeric variable. All numbers include decimals in the feed if not integers. The format is the total length in the first integer, with the number of decimal places in the feed following the decimal. Hence, format “6.2” allows for a number as big as “999.99”. [↑](#footnote-ref-2)
3. IIW = Injured, Ill, and Wounded [↑](#footnote-ref-3)