**5 November 2021**

Appointment Data

for the MHS Mart (M2)

(Version 2.00.06)

Future Specification

# Revision History

| **Version** | **Date** | **Originator** | **Para/Tbl/Fig** | **Description of Change** |
| --- | --- | --- | --- | --- |
| 1.00.00 | 04/29/2011 | W.Funk | * Whole document
 | * New table in M2.
* Initial versioning.
 |
| 1.01.00 | 06/17/2011 | W. Funk | * Section VII and IX
* Table 1, Table 2
 | * Separated table into a feed table and a derived field table and eliminated unnecessary columns in derived field table.
* Added number of appointments
* Referenced M2 specifications for business rules on derived fields rather than re-listing them to avoid any errors or duplication of effort
* Changed ‘scrambling’ to ‘encryption’
* Added special HCDP code
* Added case management objects
* Changed length of sponsor rank element
* Added product line and rank group to the feed to M2
* Changed Rank Group to Sponsor Rank Group
* Removed case management DMISID 2
 |
| 1.01.01 | 07/13/2011 | K. Hutchinson per J. Huber | * Table
 | * Merged feed and derived field tables back together
 |
| 1.02.00 | 08/08/2011 | W. Funk | * Section V and VIII
 | * Changed update frequency from monthly to weekly
 |
| 1.03.00 | 03/05/2012 | K. Hutchinson for W. Funk | * 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.
 |
| 1.04.00 | 05/22/2012 | K. Hutchinson for W. Funk | * Table 1
* Table 2
 | * Remove encryption of PCM ID.
 |
| 1.05.00 | 04/04/2013 | K. Hutchinson for W. Funk | * Table 2
 | * Modified ACV Group for ACV R and V
 |
| 1.06.00 | 08/18/2017 | B. Ross for W. Funk | * Table 1
* Table 2
 | * Added new fields related to NDAA and region transition
* Hid region fields
 |
| 2.00.00 | 4/12/2018 | W. Funk | * Table 1
 | * Added MHS Genesis data
 |
| 2.00.01 | 4/24/2018 | W. Funk | * Section VI
* Table 1
 | * Added filter on MHS Genesis data to keep only appointments that have already occurred
* Added the MHS Genesis Provider ID for the Provider ID, Appt field.
* Changed length eligibility and enrollment groups to $1
* Changed values for ACV Group
* Changed length on some Genesis specific fields (encounter type to $30, Genesis appointment status and MRN to $20, Millennium Encounter Key to $10
 |
| 2.00.02 | 5/24/2018 | W. Funk | * Table 1
 | * Added Nurse Unit Location and Resource
 |
| 2.00.03 | 10/5/2018 | K. Hofmann | * Table 1
 | * Added Referral Number from Genesis data and changed length to $12
 |
| 2.00.04 | 5/24/2019 | K. Hofmann | * Table 1
 | * Renamed fields to more easily identify fields coming from MHS GENESIS and to be consistent with other data types
 |
| 2.00.05 | 6/24/2021 | W. Funk | * Table 2
 | * Added readiness and market lookups for more DMIS ID fields
 |
| 2.00.06 | 11/5/2021 | K. Hofmann | * Table 1
 | * Noted where Pseudo MRN appears in the feed to M2.
* Added “raw” appointment type (appt\_type\_txt) from GENESIS data
 |

# M2 Appointment Data

1. Source: The appointment (APPT) data is provided to M2 by the MDR from the MDR Master Appointment File(s) and the MDR MHS Genesis Appointment file (including kept and non-kept appointments).
2. File Format: Regardless of the length specified, all fields are variable length and delimited by a “|”. A null field will simply have an end of field delimiter (“|”) immediately following the previous field’s end of field delimiter.
3. File Content: Each feed file represents a complete replacement for a fiscal year. (Feeds are separated by fiscal year so that not all years need to be updated all the time.) Data are available for the current fiscal year plus 5 years prior.
4. Organization and Batching: Each file consists of all records for the years being updated in MDR.
5. Frequency of Processing: Weekly refreshes.
6. Filters: No filters are applied to CHCS data other than to limit records to the fiscal year in the file. For Genesis data, limit to records for appointments that have already occurred by keeping only records where the appointment date is less than or equal to the most recent feed date.
7. Updating the Master Tables: M2 tables are updated by removing records whose fiscal year match what is in the weekly feed file (can be obtained either from the feed file names[[1]](#footnote-1), or from the FY in the feeds), and then appending the new feeds.
8. Record Layout and Content

# Table 1. M2 Appointment File Feed Layout

| **Data Element** | **SAS Name for CHCS Based Data** | **SAS Name for Genesis based data** | **Format** | **Transformation** |
| --- | --- | --- | --- | --- |
| Appointment Date | apptdt | appt\_dt\_tm | yyyymmdd | No transformation for CHCS data. Take date component of appointment date and time for Genesis data and convert to character format. |
| Appointment Time | appttime | appt\_dt\_tm | $5  | No transformation for CHCS data. Take time component of appointment date and time for Genesis data and convert to character format (HH:MM).  |
| Gender | Sex | gender | $1  | No transformation. |
| Sponsor Rank | rankpay | N/A | $4  | No transformation. |
| Patient Category | patcat | N/A | $3  | No transformation.  |
| MEPRS4 Code | meprscd | meprs\_cd | $4  | No transformation. |
| Tmt DMIS ID  | dmisid | mtf | $4  | No transformation. |
| Appointment Status | apptstat | appt\_stat\_legacy | $2  | No transformation  |
| FMP | Fmp | N/A | $2  | No transformation. |
| Beneficiary Zip Code | patzip | patzip | $5  | No transformation. |
| Record ID | apptidno | sch\_appointment\_sk | $10  | No transformation. |
| Countable Visit Flag | wkldtype | N/A | $1  | No transformation. |
| Provider ID, Appt  | provid | provid1 | $10  | No transformation. |
| Provider Specialty, Appt | provspec | N/A | $3  | No transformation. |
| Provider Specialty HIPAA, Appt | hipaaprv | hipaa1 | $10  | No transformation. |
| Appointment Type | appttype | appt\_type\_legacy | $6  | No transformation.  |
| Assigned Appointment Duration | apptmin | duration | $5  | No transformation. |
| Date Appointment Made | apptmddt | appt\_made\_dt\_tm | yyyymmdd | No transformation for CHCS data. Take date component of appointment date and time for Genesis data and convert to character format. This field is currently blank. |
| Time Appointment Made | apptmdtime | appt\_made\_dt\_tm | $5  | No transformation for CHCS data. Take time component of appointment date and time for Genesis data and convert to character format (HH:MM). This field is currently blank. |
| Access to Care Category | atccat | N/A | $15  | No transformation. |
| Provider EDIPN, Appt | provedipn | prov\_edipn1 | $10  | No transformation. |
| Provider ID, Addtl Prov | provid2 | provid2 | $9  | No transformation. |
| Provider EDIPN, Addtl Prov | provedipn2 | prov\_edipn2 | $10  | No transformation. |
| Referral Number | refnum | ref\_order\_sk | $12  | No transformation. |
| FY | fy | fy | $4  | No transformation. |
| FM | fm | fm | $2  | No transformation. |
| CY | cy | cy | $4  | No transformation. |
| CM | cm | cm | $2  | No transformation. |
| MEPRS1 Code | mep1 | meprs\_cd | $1  | No transformation for CHCS data. Substring 1st character of MEPRSCD for Genesis data |
| MEPRS2 Code | mep2 | meprs\_cd | $2  | No transformation for CHCS data. Substring 1st 2 characters of MEPRSCD for Genesis data |
| MEPRS3 Code | mep3 | meprs\_cd | $3  | No transformation for CHCS data. Substring 1st 3 characters of MEPRSCD for Genesis data |
| Length of Time Until Appointment | time\_until | N/A | 3 | No transformation. |
| Age | patage | patage | 3 | No transformation. |
| Age Group | dmisage | agegrp | $1  | No transformation. |
| Medicare Eligibility | medflag | medicare\_flag | $1  | No transformation. |
| ACV  | acv | acv | $1  | No transformation. |
| Enrollment Site  | enrdmis | denrsite | $4  | No transformation. |
| PCM ID | pcm\_id | pcmid | $18  | No transformation. |
| Beneficiary Category | bencat | bencat | $3  | No transformation. |
| Ben Cat Common  | comben | comben | $1  | No transformation. |
| Sponsor Service, Aggregate | sponsvc | sponsvc | $1  | No transformation. |
| HCDP - Enrolled | dhcdp | hcdp | $3  | No transformation. |
| Sponsor ID | sponssn | sponssn | $9  | No transformation. Visible only in the restricted universe. |
| Person Association Reason Code | PARC | parc | $2  | No transformation.  |
| Person ID | edi\_pn | edipn | $10  | No transformation. Visible only in the restricted universe. |
| Sponsor Rank Group | rankgrp | N/A | $2  | No transformation. |
| Product Line | prodline | prodline | $7  | No transformation. |
| Eligibility Group | elg\_grp | elg\_grp | $1  | No transformation. |
| Enrollment Group | enr\_grp | enr\_grp | $1  | No transformation. |
| Enrollment PCM Type | pcm\_type | pcm\_type | $1  | No transformation. |
| HCDP - Assigned | hcdp\_assgn | hcdp\_assign | $3  | No transformation. |
| Beneficiary T3 Region  | ben\_reg\_t3 | ben\_t3\_reg | $2  | No transformation. |
| Beneficiary T2017 Region | ben\_reg\_t2017 | ben\_t17\_reg | $2  | No transformation. |
| Enrollment Site T3 Region | enr\_reg\_t3 | enr\_t3\_reg | $2  | No transformation. |
| Enrollment Site T2017 Region | enr\_reg\_t2017 | enr\_t17\_reg | $2  | No transformation. |
| Treatment DMIS ID T3 Region | mtf\_reg\_t3 | mtf\_t3\_reg | $2  | No transformation |
| Treatment DMIS ID T2017 Region | mtf\_reg\_t2017 | mtf\_t17\_reg | $2  | No transformation |
| ACV Group | acvgroup | acvgroup | $15  | "No transformation in M2. In MDR, when preparing the M2 feed map |
| GENESIS Flag | N/A | N/A | $1  | Set to 1 if record is from MHS Genesis, Else set to 0. |
| Encounter Type GENESIS | N/A | encounter\_type | $30  | No transformation. |
| Check In Time GENESIS | N/A | checkin\_dt\_tm | $5  | Take time component of check-in date and time and convert to character format (HH:MM).  |
| Check Out Time GENESIS | N/A | checkout\_dt\_tm | $5  | Take time component of check-out date and time and convert to character format (HH:MM). |
| Check In Date GENESIS | N/A | checkin\_dt\_tm | YYYYMMDD | Take date component of check-in date and time and convert to character format. |
| Check Out Date GENESIS | N/A | checkout\_dt\_tm | YYYYMMDD | Take date component of check-out date and time and convert to character format. |
| PowerInsight Encounter ID GENESIS | N/A | encounter\_key | 8 | No transformation |
| FIN GENESIS | N/A | fin | $40  | No transformation |
| Appt Type GENESIS | N/A | appt\_type | $15  | No transformation |
| Appt Status GENESIS | N/A | appt\_stat | $20  | No transformation |
| MRN GENESIS | N/A | mrn | $20  | Restricted universe only |
| Millennium Encounter ID GENESIS | N/A | encounter\_sk | $10  | No transformation |
| Nurse Unit Loc Code GENESIS | N/A | scheduled\_loc\_txt | $40  | No transformation |
| Resource 1 GENESIS | N/A | regular\_resource1 | $100  | No transformation |
| Resource 2 GENESIS | NA | regular\_resource2 | $100  | No transformation |
| Pseudo MRN | N/A | N/A | $12  | No transformation in M2. Derived based on MRN while creating M2 feed. Not applicable to CHCS-based data. |
| Appt Type Raw GENESIS | N/A | appt\_type\_txt | $70  | No transformation |

1. M2 Appended Fields: The M2 appointment table as viewed in the M2 contains some inferred fields that are results from “joins” to other tables or other inference or some additional math. The table below contains those fields and the rules for applying.

# Table 2. M2 Appended Fields

| **Data Element** | **Transformation** |
| --- | --- |
| Beneficiary First Name | Join to MPI table by Person ID. |
| Beneficiary Last Name | Join to MPI table by Person ID. |
| Beneficiary Name | Last Name, First Name (e.g., DOE, JOHN). |
| Beneficiary Region | HIDE See M2 Omni-CAD specification for business rules. |
| Beneficiary HSSC Region | HIDE See M2 Omni-CAD specification for business rules. |
| Catchment Area ID | See M2 Omni-CAD specification for business rules. |
| Catchment Area Name | See M2 DMIS ID Index specification for business rules. |
| Catchment Area Command | See M2 DMIS ID Index specification for business rules. |
| Catchment Area Military Service | See M2 DMIS ID Index specification for business rules. |
| Catchment Area MSMA | See M2 DMIS ID Index specification for business rules. |
| Catchment Area Readiness CMD | See M2 DMIS ID Index specification for business rules. |
| Catchment Area Readiness Service | See M2 DMIS ID Index specification for business rules. |
| Catchment Area Base Market Code | See M2 DMIS ID Index specification for business rules. |
| Catchment Area Expanded Market Code | See M2 DMIS ID Index specification for business rules. |
| Catchment Area Market Name | See M2 DMIS ID Index specification for business rules. |
| Catchment Area Reporting Market Code | See M2 DMIS ID Index specification for business rules |
| Catchment Area Reporting Market Name | See M2 DMIS ID Index specification for business rules |
| Catchment Area Type of Market Code | See M2 DMIS ID Index specification for business rules |
| Catchment Area Type of Market Name | See M2 DMIS ID Index specification for business rules |
| Enrollment Site Name | See M2 DMIS ID Index specification for business rules |
| Enrollment Site Command | See M2 DMIS ID Index specification for business rules |
| Enrollment Site Financial Parent | See M2 DMIS ID Index specification for business rules |
| Enrollment Site Financial Parent Name | See M2 DMIS ID Index specification for business rules |
| Enrollment Site Military Service | See M2 DMIS ID Index specification for business rules |
| Enrollment Site Region | HIDE See M2 DMIS ID Index specification for business rules. |
| Enrollment Site MSMA | See M2 DMIS ID index specification for business rules.  |
| Enrollment Site Parent |  See M2 DMIS ID index specification for business rules |
| Enrollment Site Parent Name |  See M2 DMIS ID index specification for business rules |
|  Enrollment Site Readiness CMD | See M2 DMIS ID Index specification for business rules. |
|  Enrollment Site Readiness Service | See M2 DMIS ID Index specification for business rules. |
|  Enrollment Site Base Market Code | See M2 DMIS ID Index specification for business rules. |
|  Enrollment Site Expanded Market Code | See M2 DMIS ID Index specification for business rules. |
|  Enrollment Site Market Name | See M2 DMIS ID Index specification for business rules. |
|  Enrollment Site Reporting Market Code | See M2 DMIS ID Index specification for business rules |
|  Enrollment Site Reporting Market Name | See M2 DMIS ID Index specification for business rules |
|  Enrollment Site Type of Market Code | See M2 DMIS ID Index specification for business rules |
|  Enrollment Site Type of Market Name | See M2 DMIS ID Index specification for business rules |
| Enrollment Site DHP Code | See M2 DMIS specification for business rules. |
| Enrollment Site HSSC Region  | HIDE See M2 DMIS ID specification for business rules. |
| IIW Flag | See M2 IIW specification for business rules.  |
| Market Area ID | See M2 Omni-CAD specification for business rules. |
| MEPRS3 Code Description | Join to MEPRS 3 Code Reference table by FY and MEPRS3 Code. |
| MEPRS4 Code Description | Join to MEPRS 4 Code Reference table by FY, Tmt DMIS ID and MEPRS4 Code. |
| MTF Service Area | See M2 Omni-CAD specification for business rules. |
| MTF Service Area Name | See M2 DMIS ID specification for business rules. |
| MTF Service Area Base Market Code | See M2 DMIS ID specification for business rules. |
| MTF Service Area Expanded Market Code | See M2 DMIS ID specification for business rules. |
| MTF Service Area Reporting Market Code | See M2 DMIS ID specification for business rules. |
| MTF Service Area Type of Market Code | See M2 DMIS ID specification for business rules. |
| Number of Appointments | Set to 1 for all records. |
| Prime Service Area | See M2 Omni-CAD specification for business rules. |
| PRISM Area ID | See M2 Omni-CAD specification for business rules. |
| PRISM Area Name | See M2 DMIS specification for business rules. |
| PRISM Area Command | See M2 DMIS specification for business rules. |
| PRISM Area Military Service | See M2 DMIS specification for business rules. |
| PRISM Area MSMA | See M2 DMIS specification for business rules. Populated FY04+. |
| PRISM Area Readiness CMD | See M2 DMIS ID Index specification for business rules. |
| PRISM Area Readiness Service | See M2 DMIS ID Index specification for business rules. |
| PRISM Area Base Market Code | See M2 DMIS ID Index specification for business rules. |
| PRISM Area Expanded Market Code | See M2 DMIS ID Index specification for business rules. |
| PRISM Area Market Name | See M2 DMIS ID Index specification for business rules. |
| PRISM Area Reporting Market Code | See M2 DMIS ID Index specification for business rules |
| PRISM Area Reporting Market Name | See M2 DMIS ID Index specification for business rules |
| PRISM Area Type of Market Code | See M2 DMIS ID Index specification for business rules |
| PRISM Area Type of Market Name | See M2 DMIS ID Index specification for business rules |
| Pseudo Person ID | Encryption algorithm applied to Person ID |
| Pseudo Sponsor ID | Encryption algorithm applied to Sponsor ID. |
| Reservist Status Code | See M2 Reservist specification for business rules. |
| Special Operations Code | See M2 Reservist specification for business rules. |
| Tmt DMIS ID Name | See M2 DMIS ID specification for business rules. |
| Tmt DMIS ID Command | See M2 DMIS ID specification for business rules. |
| Tmt DMIS ID DHP Code | See M2 DMIS ID specification for business rules. |
| Tmt DMIS ID HSSC Region  |  HIDE See M2 DMIS ID specification for business rules. |
| Tmt DMIS ID Military Service | See M2 DMIS ID Index specification for business rules. |
| Tmt DMIS ID MSMA | See M2 DMIS ID Index specification for business rules. |
| Tmt DMIS ID DHP Code | See M2 DMIS ID Index specification for business rules. |
| Tmt DMIS ID Financial Parent | See M2 DMIS ID Index specification for business rules. |
| Tmt DMIS ID Financial Parent Name | See M2 DMIS ID Index specification for business rules. |
| Tmt DMIS ID Parent | See M2 DMIS ID Index specification for business rules. |
| Tmt DMIS ID Parent Name | See M2 DMIS ID Index specification for business rules. |
|  Tmt DMIS ID Readiness CMD | See M2 DMIS ID Index specification for business rules. |
|  Tmt DMIS ID Readiness Service | See M2 DMIS ID Index specification for business rules. |
|  Tmt DMIS ID Base Market Code | See M2 DMIS ID Index specification for business rules. |
|  Tmt DMIS ID Expanded Market Code | See M2 DMIS ID Index specification for business rules. |
|  Tmt DMIS ID Market Name | See M2 DMIS ID Index specification for business rules. |
|  Tmt DMIS ID Reporting Market Code | See M2 DMIS ID Index specification for business rules |
|  Tmt DMIS ID Reporting Market Name | See M2 DMIS ID Index specification for business rules |
|  Tmt DMIS ID Type of Market Code | See M2 DMIS ID Index specification for business rules |
|  Tmt DMIS ID Type of Market Name | See M2 DMIS ID Index specification for business rules |
| Tmt DMIS ID HSSC Region  | HIDE See M2 DMIS ID Index specification for business rules. |
| Tmt DMIS ID Region (HIDE) | HIDE See M2 DMIS ID Index specification for business rules. |
| TPR Flag | See M2 Omni-CAD specification for business rules. |
| Ever Deployed Flag (OCO) | See M2 CTS specification for business rules. |
| Days Since Most Recent OCO Depl | See M2 CTS specification for business rules. This is a measure. |
| Days Since Return from OCO Depl | See M2 CTS specification for business rules. This is a dimension.This is a dimension. |
| Cumulative OCO Deployed Days | See M2 CTS specification for business rules. |
| OCO Deployed Flag | See M2 CTS specification for business rules. |
| Special HCDP Code | See M2 HCDP specification for business rules. |
| Case Management DMISID 1 | See M2 Case Management specification for business rules. |
| Case Management Acuity Level | See M2 Case Management specification for business rules. |
| Case Manager ID 1 | See M2 Case Management specification for business rules. |
| Case Manager ID 2 | See M2 Case Management specification for business rules. |
| Case Manager ID 3 | See M2 Case Management specification for business rules. |

1. Quality Review:
* Record counts should match those contained in the transmittal letter representing each feed.
* The first and last 10 records in the files should be visually inspected to ensure proper formatting after loading.
1. File Location:

Health Care Services / Direct Care / Appointment

1. Special Outputs: N/A
1. [↑](#footnote-ref-1)