Appointment Data
for the MHS Mart (M2)
(Version 2.00.08)

Current 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

Version	Date	Originator	Para/Tbl/Fig	Description of Change
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
2.00.07	4/20/2022	K. Hofmann	• Table 1	• Added a source for Length of Time Until Appointment from GENESIS • Changed length of Appt Type GENESIS to $16 to match data coming from MDR
2.00.08	1/15/2025	K. Hofmann	• Table 1 • Table 2 • Section XII	• Changed length of Provider ID, Addtl Prov to $10 to match other Provider ID fields • Added T5 Regions (Beneficiary T5 Region, Enrollment Site T5 Region, Treatment DMIS ID T5 Region) • Hide T3 Region fields • Added Defense Health Network fields • Remove MSMA, Market, Deployed, and Case Management fields • Added language for Special Outputs

I.   <u>Source:</u> 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).

II.   <u>File Format:</u> 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.

III.   <u>File Content:</u> 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.

IV.   <u>Organization and Batching:</u> Each file consists of all records for the years being updated in MDR.

V.   <u>Frequency of Processing:</u> Weekly refreshes.

VI.   <u>Filters:</u> 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.

VII.   <u>Updating the Master Tables:</u> 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], or from the FY in the feeds), and then appending the new feeds.

VIII. <u>Record Layout and Content</u>

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.

Data Element	SAS Name for CHCS Based Data	SAS Name for Genesis based data	Format	Transformation
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.

Data Element	SAS Name for CHCS Based Data	SAS Name for Genesis based data	Format	Transformation
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	$10	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	days_until~~N/A~~	3	No transformation for CHCS data. For Genesis, round to the nearest whole number. If days_until > 999, set to 999.
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.

Data Element	SAS Name for CHCS Based Data	SAS Name for Genesis based data	Format	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	HIDE. 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	HIDE. 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	HIDE. 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).

Data Element	SAS Name for CHCS Based Data	SAS Name for Genesis based data	Format	Transformation
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	$16~~5~~	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.
Beneficiary T5 Region	N/A	ben_t5_reg	$2	No transformation.
Enrollment Site T5 Region	N/A	enr_t5_reg	$2	No transformation.
Treatment DMIS ID T5 Region	N/A	mtf_t5_reg	$2	No transformation.

IX.   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 Network	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.

Data Element	Transformation
~~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 Network	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 Network	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.

Data Element	Transformation
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 Network	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 Network	See M2 DMIS ID Index specification for business rules.

Data Element	Transformation
~~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.~~

X.   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.

XI.   File Location:

Health Care Services / Direct Care / Appointment

XII. Special Outputs:

This file serves as the input to the MIP Core Appointment table. In accordance with Technical Data Standards, the data should be made available to users with the same file names, field names and formats as the source data, with underscores replacing spaces in the names, if desired. The MIP Core Appointment table should be updated at the same cadency of the M2 file and row counts should be validated against the MDR Export transmittals.