Appointment Data for the MHS Mart (M2) (Version 2.00.06)

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	• Table	Merged feed and derived field tables back
1.02.00	08/08/2011	J. Huber W. Funk	Section V and VIII	 together Changed update frequency from monthly to weekly
1.03.00	03/05/2012	K. Hutchinson for W. Funk	Table 1Table 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	Added new fields related to NDAA and region transition
			• Table 2	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

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				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

- 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 names¹, or from the FY in the feeds), and then appending the new feeds.

VIII. Record Layout and Content

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Table 1. M2 Appointment File Feed Layout

Data El		Appointment File		T
Data Element	SAS Name for	SAS Name for	Format	Transformation
A	CHCS Based Data	Genesis based data	1.1	NI C C
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
Appointment Time	арринне	appi_ui_uii	\$5	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	patzip	patzip	\$5	No transformation.
Code				
Record ID	apptidno	sch_appointment_sk	\$10	No transformation.
Countable Visit	wkldtype	N/A	\$1	No transformation.
Flag				
Provider ID, Appt	provid	provid1	\$10	No transformation.
Provider Specialty,	provspec	N/A	\$3	No transformation.
Appt				
Provider Specialty	hipaaprv	hipaa1	\$10	No transformation.
HIPAA, Appt				
Appointment Type	appttype	appt_type_legacy	\$6	No transformation.
Assigned	apptmin	duration	\$5	No transformation.
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Ben Cat Commoncomben\$1No transformation.Sponsor Service,sponsvc\$1No transformation.	2	Uciicat	Uciicat	φ3	ino mansionnanon.
Sponsor Service, sponsvc sponsvc \$1 No transformation.		comben	comben	\$1	No transformation
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Data Element	SAS Name for	SAS Name for	Format	Transformation
HCDD E II I	CHCS Based Data	Genesis based data	Φ2	27
HCDP - Enrolled	dhedp	hcdp	\$3	No transformation.
Sponsor ID	sponssn	sponssn	\$9	No transformation.
				Visible only in the
70	D. D.C		0.0	restricted universe.
Person Association	PARC	parc	\$2	No transformation.
Reason Code	1.	41	010	27
Person ID	edi_pn	edipn	\$10	No transformation.
				Visible only in the
G P 1	1	27/4	Φ2	restricted universe.
Sponsor Rank	rankgrp	N/A	\$2	No transformation.
Group	111	11.	0.5	27
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	pcm_type	pcm_type	\$1	No transformation.
Туре				
HCDP - Assigned	hcdp_assgn	hcdp_assign	\$3	No transformation.
Beneficiary T3	ben_reg_t3	ben_t3_reg	\$2	No transformation.
Region				
Beneficiary T2017	ben_reg_t2017	ben_t17_reg	\$2	No transformation.
Region				
Enrollment Site T3	enr_reg_t3	enr_t3_reg	\$2	No transformation.
Region				
Enrollment Site	enr_reg_t2017	enr_t17_reg	\$2	No transformation.
T2017 Region				
Treatment DMIS ID	mtf_reg_t3	mtf_t3_reg	\$2	No transformation
T3 Region				
Treatment DMIS ID	mtf_reg_t2017	mtf_t17_reg	\$2	No transformation
T2017 Region				
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	N/A	encounter_type	\$30	No transformation.
GENESIS	37/4	1 11 1	0.5	T. 1
Check In Time	N/A	checkin_dt_tm	\$5	Take time
GENESIS				component of
				check-in date and
				time and convert to
				character format
CI 1 C T	37/4	1 1	Φ.5	(HH:MM).
Check Out Time	N/A	checkout_dt_tm	\$5	Take time
GENESIS				component of
				check-out date and
				time and convert to
				character format
CI II D	37/4	1 1 1 1 1 1	MAMARA	(HH:MM).
Check In Date	N/A	checkin_dt_tm	YYYYMMDD	Take date
GENESIS				component of
				check-in date and

Data Element	SAS Name for	SAS Name for	Format	Transformation
	CHCS Based Data	Genesis based data		
				time and convert to
				character format.
Check Out Date	N/A	checkout_dt_tm	YYYYMMDD	Take date
GENESIS				component of
				check-out date and
				time and convert to
				character format.
PowerInsight	N/A	encounter_key	8	No transformation
Encounter ID				
GENESIS	37/4	C.	# 4.0	27
FIN GENESIS	N/A	fin	\$40	No transformation
Appt Type GENESIS	N/A	appt_type	\$15	No transformation
Appt Status	N/A	appt_stat	\$20	No transformation
GENESIS	N/A		620	Restricted universe
MRN GENESIS		mrn	\$20	only
Millennium	N/A	encounter_sk	\$10	No transformation
Encounter ID				
GENESIS				
Nurse Unit Loc Code GENESIS	N/A	scheduled_loc_txt	\$40	No transformation
Resource 1	N/A	regular_resource1	\$100	No transformation
GENESIS				
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	N/A	appt_type_txt	\$70	No transformation
GENESIS				

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 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

Data Element	Transformation	
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.	

Data Element	Transformation	
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	

Data Element	Transformation		
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: N/A