**17 March 2017**

Comprehensive Ambulatory/Professional Encounter Record (CAPER) - Basic

for the

MHS Data Repository (MDR)

(Version 1.07.00)

Current Specification

Revision History

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Version | Date  | Para/Tbl/Fig | Originator | Description of Change |
| 1.02.00 | 03/10/09 | * V.1
* V.2, V.3
* V. Table
 |  | * Added.
* Use of CHCS Host DMISID (HOSTDMIS) in CAPER key.
* Variable name changes
 |
| 1.02.01 | 06/29/09 | V.1. |  | Modify handling of unsuccessful match between HOSTDMIS and SITEID. |
| 1.02.02 | 07/10/09 | V. Table | S. Rogers | Remove language from Derivation of the variable CHCS Host. |
| 1.03.00 | 09/11/09 | V. Table | S. Rogers | Rename RANKPAY to RANKPAY\_R and extend to char(4). |
| 1.03.01 | 9/18/09 | V. Table | S. Rogers | Extend Reason for Appointment (REASON) from char(75) to char(78).. |
| 1.03.02 | 03/09/10 | * IV
* App 1
 | S. Rogers | Add ‘BET’ to invalid/test MEPRS codes list and move the list to Appendix 1. |
| 1.03.03 | 02/11/11 | * IV
 | S. Rogers | * Filter out records with appointment dates in the future.
* Remove decimal places from diagnosis codes and append extenders.
 |
| 1.03.04 | 02/18/11 | * V. Table
 | S. Rogers | * Correct the field length for PROVROLE1
 |
| 1.03.05 | 07/27/11 | * V.1.
 | S. Rogers | * Added footnote on CHCS Host reference format source.
 |
| 1.03.06 | 01/13/12 | * V.1, V. Table
 | S. Rogers | * Correct the field length for PROVSTAT1
* Update derivation of CHCSHOST
 |
| 1.03.07 | 09/24/12 | * V. Table
 | M. Martinez | * Change length of COMPLAINT to Char(7) to be ICD-10 compliant.
* Indicated that Diagnosis codes are ICD-10 compliant.
 |
| 1.03.08 | 11/13/12 | * V. Table
 | M. Martinez | * Remove decimal place from COMPLAINT.
 |
| 1.04.00 | 05/22/13 | * V. Table
 | M. Martinez | * Add MDR Original CAPER Extract Date
 |
| 1.04.01 | 06/28/13 | * V. Table
 | M. Martinez | * Remove footnote on MDR Original CAPER Extract Date.
 |
| 1.05.00(Part A) | 01/27/14 | * V. Table
 | M. Martinez | * Add Sponsor Person ID Type Code and Patient Person ID Type Code
 |
| 1.05.00 (Part B) | 01/27/14 | * Para I, II, IV, V,

 V. Table | M. Martinez | * Derive MDR Original CAPER Extract Date from CAPER supplemental (X) files.
 |
| 1.06.00 | 02/02/15 | * Para I, II, IV, V. V. Table
* Para V
* Para V, V. Table
 | M. Martinez | * Correct the CAPER Supplemental File Name.
* Correct the label on APPTIDNO.
* Modify the de-duplication of records by changing the order of preference in the record selection process to EXTRDATE, CCESTAT, CAPERSTAT.
 |
| 1.07.00 | 03/17/17 | * Par III
 | D. Juckett | * Remove “switch to Tuesday when the SADR processor is discontinued.” The CAPER is processed on Thursday.
 |

**COMPREHENSIVE AMBULATORY/PROFESSIONAL ENCOUNTER RECORD (CAPER) – BASIC FOR THE MDR**

1. SOURCE

Data capture system: ADS

CAPER Supplemental files: CHCS Hosts

1. TRANSMISSION (Format and Frequency)

CAPER transmission occurs daily from Ambulatory Data System (ADS) computers to the EI/DS Feed Node, where they are batched and submitted weekly for MDR processing.

The initial CAPER Supplemental file will be for FY13. Thereafter, the file will be received weekly. Each weekly file will go back 10 days and be available each Thursday.

1. ORGANIZATION AND BATCHING

CAPERS are organized into fiscal year files.

CAPERs are processed weekly and will be harvested every Thursday. Raw data batches are created, processed, and appended/updated to the master file. If CAPERs are received from a fiscal year not being processed that month, they will be held to batch with all others received prior to that year’s next update batch.

Frequency of updates, based on CAPER encounter date:

* Current FY: Every week
* Prior FY: weekly for one quarter (October, November, and December) then semiannually (April, October)
* All years prior to prior FY: Annually (October)
1. RECEIVING FILTERS

All non-encounter CAPERs are filtered out based on Appointment Status or Disposition Code.

Only CAPERs where the MEPRS code begins with the letters A through G are kept.

All records whose appointment dates occur in a fiscal year greater than the fiscal year at the time of processing are filtered out.

All test records are filtered out, where test records are identified as those with MEPRS 3-level codes other than standard codes from the EAS-IV Repository Account Subset Definition (ASD) table or from CHCS.

A format for identifying invalid MEPRS codes appears in Appendix 1.

Only CAPER Supplemental ~~(X)~~ records with no missing fields (all six fields are populated) will be kept for merging.

1. FIELD TRANSFORMATIONS AND DELETIONS FOR MDR CORE DATABASE
2. To prepare the raw CAPER for MDR processing, the CAPER preprocessor should collect all of the data records submitted during the previous week, removing any that are empty, contain a treatment DMIS ID that includes a blank, contain a treatment DMIS ID of "0000", have an invalid appointment date, have an appointment date prior to fiscal year 2003, have an invalid extract date, or do not have either 255 (without CHCS Host) or 256 (with CHCS Host) fields. If the CHCS Host field is present, the preprocessor will remove any records whose CHCS Host includes a blank or is the value “0000”. For each data record that is kept in the batch for MDR processing, the CAPER preprocessor should append an additional field (SITEID) containing the 8-character site identifier, which appears in the raw source filename after the first dot character.

During MDR processing, if the CHCS host DMIS ID (HOSTDMIS) is not included in the feed, it is derived for all kept and cancelled encounters, whether new, updated, or existing, by applying the CHCS host reference format[[1]](#footnote-1) using the 8-character site identifier (SITEID) as the lookup key. If unsuccessful, processing shall be halted and a message produced indicating that the reference format needs to be updated. The frequency of site identifiers for which a host DMIS ID of the 4-character alphabetic portion of SITEID was assigned should be reported after processing so that the CHCS host reference format may be updated prior to the next week's processing. In practice, every attempt should be made to alert BEA to the presence of new site identifiers in the raw data prior to processing.

1. Valid data records that are not realized encounters may represent cancelled encounters. A data record must pass one of the following tests to be considered a cancelled encounter, suitable for inclusion in the cancelled encounter data set for the given fiscal year:
	1. The value of Appointment Status Type is 3 (cancel), 4 (no show), or 8 (LWOBS).
	2. The value of Disposition Code is 5 (LWOBS).
	3. The value of Appointment cancellation status type is 5 (cancelled by provider), 8 (cancelled by facility) or 9 (cancelled by patient).

The cancelled encounter data are the collection of all cancelled encounters that have been observed for the given fiscal year.

Both a CAPER encounter and a cancelled CAPER encounter are uniquely identified by a key (HOSTDMIS || APPTIDNO), the source data fields are:

1. CHCS Host DMISID (HOSTDMIS)
2. Associated Appointment IEN (APPTIDNO)
3. During the extraction of the raw records, de-duplication of records, or anytime a CAPER key collision occurs between incoming data and existing master data, the processor de-duplicates data by selecting the largest value of CAPER Extract Date (EXTRDATE) and, in the case of multiple records with the same EXTRDATE, the CCE Encounter Status Flag (CCESTAT) and CAPER Status (CAPERSTAT), in that order, will be used to de-duplicate for any given CAPER key (CHCS Host DMISID, Associated Appointment IEN). That is to say, when a CAPER key collision occurs between the incoming data and the existing master data set, the preferred record should be decided by:
4. If the Extract Date (EXTRDATE) of the master record is larger (i.e., more recent) than that of the incoming record, keep the master record and discard the incoming record.
5. If the Extract Dates (EXTRDATE) of the records are identical, keep the record (incoming or master) based on the following CCESTAT order of preference: CCESTAT=4 (highest), 3, 5, 2, 1, blank (lowest) (i.e., keep the record having been processed, and possibly changed, by the Coding Compliance Editor (CCE)).
6. If the Extract Dates and the CCE Status are identical, keep the record (incoming or master) based on the larger value of the CAPER Status (CAPERSTAT) (e.g., U [updated] versus O [original]).
7. If any key field differs between the master and the incoming, keep the incoming record and discard the master (i.e., assume that the update is more recent or correct).
8. Otherwise, keep the master record and discard the incoming record (because they are exact duplicates).

Cancelled encounters are treated in a similar manner as above. Potential cancelled records are linked to the CAPER data by the key data fields, CHCS Host DMIS ID and Associated Appointment IEN. If the key data fields match and the CAPER Extract Date from a cancelled encounter is greater than its counterpart from the CAPER encounter, the CAPER encounter is removed from the MDR detail data set.

1. Merge to the CAPER Supplemental file using Host DMIS ID (HOSTDMIS) and Appointment IEN (APPTIDNO) to add the First CAPER Date (EXTRDATE\_O).

The table below reflects the fields as they exist in the CAPER following processing. Other fields may be created to facilitate processing, but should not be included in the public use MDR file when it is posted. The public use MDR file is broken out by fiscal year based on encounter date and each is saved as a SAS dataset in the MDR.

**Fields in the MDR Basic CAPER**

| **Field** | **Type** | **Source Position** | **SAS Name** | **Previous SAS Name** | **Derivation** |
| --- | --- | --- | --- | --- | --- |
| Treatment DMIS ID | char(4) | 1 | DMISID |  | No transformation |
| Appointment Prefix (Source System Flag) | char(1) | 2 | APPTPFIX |  | No transformation |
| CCE Encounter Status Flag | char(1) | 3 | CCESTAT |  | No transformation |
| Assigned Appointment Duration | N(8) | 4 | ASSGNDUR |  | No transformation |
| Actual Appointment Duration | char(10) | 5 | ACTDUR |  | No transformation |
| Associated Appointment IEN | char(10) | 6 | APPTIDNO |  | No transformation |
| Raw Appointment (Encounter) Date | char(8)yyyymmdd | 7 | ENCDATE\_R |  | No transformation |
| CAPER Status | char(1) | 8 | CAPERSTAT |  | No transformation |
| CAPER Extract Date | char(8) | 9 | EXTRDATE |  | No transformation |
| Appointment Type | char(6) | 10 | APPTTYPE |  | No transformation |
| Appointment Status Type | char(1) | 11 | APPTSTAT |  | No transformation |
| Appointment Cancellation Status Type | char(1) | 12 | CANCSTAT |  | No transformation |
| Count Visit Indicator | char(1) | 13 | COUNTVIS |  | No transformation |
| Patient Identifier (EDIPN) | char(10) | 14 | EDIPN\_R |  | No transformation |
| Sponsor Social Security Number | char(9) | 15 | SPONSSN\_R |  | No transformation |
| Family Member Prefix | char(2) | 16 | FMP |  | No transformation |
| Patient Social Security Number | char(9) | 17 | PATSSN |  | No transformation |
| Patient Date of Birth | char(8) | 18 | PATDOB |  | No transformation |
| Patient Gender | char(1) | 19 | PATSEX |  | No transformation |
| Patient Category | char(5) | 20 | PATCAT\_R |  | No transformation |
| Marital Status | char(1) | 21 | MARITAL |  | No transformation |
| Patient Race Code | char(1) | 22 | PATRACE |  | No transformation |
| Ethnic Background | char(1) | 23 | ETHNICGR |  | No transformation |
| Patient Zip Code (Raw) | char(10) | 24 | PATZIP\_R |  | No transformation |
| Military Grade/Rank | char(4) | 25 | RANKPAY\_R |  | No transformation |
| Medicare Eligibility Field | char(2) | 26 | MEDELIG |  | No transformation |
| Patient OHI Indicator | char(1) | 27 | OHI |  | No transformation |
| Medical Insurance Billable | char(1) | 28 | INSBILL |  | No transformation |
| Patient Hospital Status | char(1) | 29 | HOSPSTAT |  | No transformation |
| Inpatient Appointment | char(1) | 30 | INPAPPT |  | No transformation |
| Inpatient DMISID & Patient Register Number | char(11) | 31 | MTF\_PRN |  | No transformation |
| Referring Provider ID | char(9) | 32 | PROVIDREF | REFID | No transformation |
| Referring Provider NPI | char(10) | 33 | PROVNPIREF | REFNPI | No transformation |
| Referring Provider NPI Type | char(1) | 34 | PROVNPITYPEREF | REFNPITYPE | No transformation |
| Referring Provider EDIPN | char(10) | 35 | PROVEDIPNREF | REFEDIPN | No transformation |
| Referring Provider DMISID | char(4) | 36 | PROVDMISREF | REFDMIS | No transformation |
| Referral Number | char(11) | 37 | REF\_NO |  | No transformation |
| Disposition Code | char(1) | 38 | DISPCODE |  | No transformation |
| Administrative Disposition | char(5) | 39 | ADMDISP |  | No transformation |
| Health Care Delivery Program Code | char(3) | 40 | HCDPCODE\_R |  | No transformation |
| Enrollment DMIS ID | char(4) | 41 | ENRDMIS\_R |  | No transformation |
| PCM Group Tax ID | char(10) | 42 | PCMGRP |  | No transformation |
| Primary Care Manager Provider ID | char(10) | 43 | PCMID |  | No transformation |
| Primary Care Manager NPI | char(10) | 44 | PCMNPI |  | No transformation |
| PCM NPI Type | char(1) | 45 | PCMNPITYPE |  | No transformation |
| PCM EDIPN | char(10) | 46 | PCMEDIPN |  | No transformation |
| Primary Care Manager Location CD | char(2) | 47 | PCMLOC |  | No transformation |
| MCP Group ID | char(19) | 48 | MCPID |  | No transformation |
| NED Primary Care Manager ID | char(18) | 49 | PCMID\_NED |  | No transformation |
| NED PCM Type Code | char(1) | 50 | PCMTYPE\_NED |  | No transformation |
| Treatment MEPRS Code | char(4) | 51 | MEPRSCD |  | No transformation |
| Clinic State | char(2) | 52 | CLINSTAT\_R |  | No transformation |
| Clinic Zip Code (Raw) | char(10) | 53 | CLINZIP\_R |  | Remove hyphens.if substr(CLINZIP\_R,6,1)='-' then CLINZIP = substr(CLINZIP\_R,1,5) || substr(CLINZIP\_R,7,4);else CLINZIP = substr(CLINZIP\_R,1,9); |
| Treatment Parent DMIS ID | char(4) | 54 | MTF\_PAR |  | No transformation |
| Ambulatory Surgery | char(1) | 55 | AMBSURG |  | No transformation |
| Appointment Provider ID | char(9) | 56 | PROVID1 | PROVID | No transformation |
| Appointment Provider NPI | char(10) | 57 | PROVNPI1 | PROVNI | No transformation |
| Appointment Provider NPI Type | char(1) | 58 | PROVNPITYPE1 | PROVNPITYPE | No transformation |
| Appointment Provider EDIPN | char(10) | 59 | PROVEDIPN1 | PROVEDIPN | No transformation |
| Appointment Provider Class | char(30) | 60 | PROVCLAS1 | PROVCLAS | No transformation |
| Appointment Provider Type Code | char(1) | 61 | PROVTYPE1 | PROVTYPE | No transformation |
| Appointment Provider Specialty Code | char(3) | 62 | PROVSPEC1 | PROVSPEC | No transformation |
| Appointment Provider HIPAA Taxonomy | char(10) | 63 | PROVHIPAA1 | PROVHIPAA | No transformation |
| Appointment Provider Role | char(1) | 64 | PROVROLE1 | PROVROLE | No transformation |
| Appointment Provider Military Status | char(3) | 65 | PROVSTAT1 | PROVSTAT | No transformation |
| Additional Provider 1 ID | char(10) | 66 | PROVID2 | ADD1ID | No transformation |
| Additional Provider 1 NPI | char(10) | 67 | PROVNPI2 | ADDINPI | No transformation |
| Additional Provider 1 NPI Type | char(1) | 68 | PROVNPITYPE2 | ADDINPITYPE | No transformation |
| Additional Provider 1 EDIPN | char(10) | 69 | PROVEDIPN2 | ADD1EDIPN | No transformation |
| Additional Provider 1 Specialty Code | char(3) | 70 | PROVSPEC2 | ADD1SPEC | No transformation |
| Additional Provider 1 HIPAA Taxonomy | char(10) | 71 | PROVHIPAA2 | ADD1HIPAA | No transformation |
| Additional Provider 1 Role | char(1) | 72 | PROVROLE2 | ADD1ROLE | No transformation |
| Additional Provider 1 Military Status | char(3) | 73 | PROVSTAT2 | ADD1STAT | No transformation |
| Additional Provider 2 ID | char(10) | 74 | PROVID3 | ADD2ID | No transformation |
| Additional Provider 2 NPI | char(10) | 75 | PROVNPI3 | ADD2NPI | No transformation |
| Additional Provider 2 NPI Type | char(1) | 76 | PROVNPITYPE3 | ADD2NPITYPE | No transformation |
| Additional Provider 2 EDIPN | char(10) | 77 | PROVEDIPN3 | ADD2EDIPN | No transformation |
| Additional Provider 2 Specialty Code | char(3) | 78 | PROVSPEC3 | ADD2SPEC | No transformation |
| Additional Provider 2 HIPAA Taxonomy | char(10) | 79 | PROVHIPAA3 | ADD2HIPAA | No transformation |
| Additional Provider 2 Role | char(1) | 80 | PROVROLE3 | ADD2ROLE | No transformation |
| Additional Provider 2 Military Status | char(3) | 81 | PROVSTAT3 | ADD2STAT | No transformation |
| Additional Provider 3 ID | char(10) | 82 | PROVID4 | ADD3ID | No transformation |
| Additional Provider 3 NPI | char(10) | 83 | PROVNPI4 | ADD3NPI | No transformation |
| Additional Provider 3 NPI Type | char(1) | 84 | PROVNPITYPE4 | ADD3NPITYPE | No transformation |
| Additional Provider 3 EDIPN | char(10) | 85 | PROVEDIPN4 | ADD3EDIPN | No transformation |
| Additional Provider 3 Specialty Code | char(3) | 86 | PROVSPEC4 | ADD3SPEC | No transformation |
| Additional Provider 3 HIPAA Taxonomy | char(10) | 87 | PROVHIPAA4 | ADD3HIPAA | No transformation |
| Additional Provider 3 Role | char(1) | 88 | PROVROLE4 | ADD3ROLE | No transformation |
| Additional Provider 3 Military Status | char(3) | 89 | PROVSTAT4 | ADD3STAT | No transformation |
| Additional Provider 4 ID | char(10) | 90 | PROVID5 | ADD4ID | No transformation |
| Additional Provider 4 NPI | char(10) | 91 | PROVNPI5 | ADD4NPI | No transformation |
| Additional Provider 4 NPI Type | char(1) | 92 | PROVNPITYPE5 | ADD4NPITYPE | No transformation |
| Additional Provider 4 EDIPN | char(10) | 93 | PROVEDIPN5 | ADD4EDIPN | No transformation |
| Additional Provider 4 Specialty Code | char(3) | 94 | PROVSPEC5 | ADD4SPEC | No transformation |
| Additional Provider 4 HIPAA Taxonomy | char(10) | 95 | PROVHIPAA5 | ADD4HIPAA | No transformation |
| Additional Provider 4 Role | char(1) | 96 | PROVROLE5 | ADD4ROLE | No transformation |
| Additional Provider 4 Military Status | char(3) | 97 | PROVSTAT5 | ADD4STAT | No transformation |
| Injury Related | char(1) | 98 | INJREL |  | No transformation |
| Date of Injury, CCYYMMDD | char(8) | 99 | INJDATE |  | No transformation |
| Injury Related/Cause Code 1 | char(2) | 100 | INJCODE1 |  | No transformation |
| Injury Related/Cause Code 2 | char(2) | 101 | INJCODE2 |  | No transformation |
| Injury Related/Cause Code 3 | char(2) | 102 | INJCODE3 |  | No transformation |
| Injury Geographic Location | char(5) | 103 | INJGEOGLOC |  | No transformation |
| Injury Place of Accident | char(54) | 104 | INJPOA |  | No transformation |
| Injury Place of Employment | char(54) | 105 | INJPOE |  | No transformation |
| DX (ICD-9-CM) Code #1 with DOD Extender[[2]](#footnote-2) | char(7) | 106, 107 | DX1 |  | Remove decimal from DX Code #1 in Source Position 106. Leave a single blank space and append Code #1 DOD Extender from Source Position 107. |
| DX (ICD-9-CM) Code #1-Priority | char(1) | 108 | DXPRI1 | DXPRI1 | No transformation |
| DX (ICD-9-CM) Code #2 with DOD Extender | char(7) | 109,110 | DX2 | DX2 | Remove decimal from DX Code #2 in Source Position 109. Leave a single blank space and append Code #2 DOD Extender from Source Position 110. |
| DX (ICD-9-CM) Code #2-Priority | char(1) | 111 | DXPRI2 | DX2PRI | No transformation |
| DX (ICD-9-CM) Code #3 with DOD Extender | char(7) | 112,113 | DX3 | DX3 | Remove decimal from DX Code #3 in Source Position 112. Leave a single blank space and append Code #3 DOD Extender from Source Position 113. |
| DX (ICD-9-CM) Code #3-Priority | char(1) | 114 | DXPRI3 | DX3PRI | No transformation |
| DX (ICD-9-CM) Code #4 with DOD Extender | char(7) | 115,116 | DX4 | DX4 | Remove decimal from DX Code #4 in Source Position 115. Leave a single blank space and append Code #4 DOD Extender from Source Position 116. |
| DX (ICD-9-CM) Code #4-Priority | char(1) | 117 | DXPRI4 | DX4PRI | No transformation |
| DX (ICD-9-CM) Code #5 with DOD Extender | char(7) | 118,119 | DX5 | DX5 | Remove decimal from DX Code #5 in Source Position 118. Leave a single blank space and append Code #5 DOD Extender from Source Position 119. |
| DX (ICD-9-CM) Code #5-Priority | char(1) | 120 | DXPRI5 | DX5PRI | No transformation |
| DX (ICD-9-CM) Code #6 with DOD Extender | char(7) | 121,122 | DX6 | DX6 | Remove decimal from DX Code #6 in Source Position 121. Leave a single blank space and append Code #6 DOD Extender from Source Position 122. |
| DX (ICD-9-CM) Code #6-Priority | char(1) | 123 | DXPRI6 | DX6PRI | No transformation |
| DX (ICD-9-CM) Code #7 with DOD Extender | char(7) | 124,125 | DX7 | DX7 | Remove decimal from DX Code #7 in Source Position 124. Leave a single blank space and append Code #7 DOD Extender from Source Position 125. |
| DX (ICD-9-CM) Code #7-Priority | char(1) | 126 | DXPRI7 | DX7PRI | No transformation |
| DX (ICD-9-CM) Code #8 with DOD Extender | char(7) | 127,128 | DX8 | DX8 | Remove decimal from DX Code #8 in Source Position 127. Leave a single blank space and append Code #8 DOD Extender from Source Position 128. |
| DX (ICD-9-CM) Code #8-Priority | char(1) | 129 | DXPRI8 | DX8PRI | No transformation |
| DX (ICD-9-CM) Code #9 with DOD Extender | char(7) | 130,131 | DX9 | DX9 | Remove decimal from DX Code #9 in Source Position 130. Leave a single blank space and append Code #9 DOD Extender from Source Position 131. |
| DX (ICD-9-CM) Code #9-Priority | char(1) | 132 | DXPRI9 | DX9PRI | No transformation |
| DX (ICD-9-CM) Code #10 with DOD Extender | char(7) | 133,134 | DX10 | DX10 | Remove decimal from DX Code #10 in Source Position 133. Leave a single blank space and append Code #10 DOD Extender from Source Position 134. |
| DX (ICD-9-CM) Code #10-Priority | char(1) | 135 | DXPRI10 | DX10PRI | No transformation |
| E&M Code 1 | char(5) | 136 | CPT\_1 | EM1 | No transformation |
| E&M Code 1-Modifier 1 | char(2) | 137 | CPTMOD1\_1 | EM1MOD1 | No transformation |
| E&M Code 1-Modifier 2 | char(2) | 138 | CPTMOD2\_1 | EM1MOD2 | No transformation |
| E&M Code 1-Modifier 3 | char(2) | 139 | CPTMOD3\_1 | EM1MOD3 | No transformation |
| E&M Code 1-Units of Care | N(8) | 140 | CPTUNITS\_1 | EM1UNITS | No transformation |
| E&M Code 1-Diagnosis Pointer | char(4) | 141 | CPTDX\_1 | EM1DX | No transformation |
| E&M Code 1-Provider Pointers | char(5) | 142 | CPTPROV\_1 | EM1PROV | No transformation |
| E&M Code 2 | char(5) | 143 | CPT\_2 | EM2 | No transformation |
| E&M Code 2-Modifier 1 | char(2) | 144 | CPTMOD1\_2 | EM2MOD1 | No transformation |
| E&M Code 2-Modifier 2 | char(2) | 145 | CPTMOD2\_2 | EM2MOD2 | No transformation |
| E&M Code 2-Modifier 3 | char(2) | 146 | CPTMOD3\_2 | EM2MOD3 | No transformation |
| E&M Code 2-Units of Care | N(8) | 147 | CPTUNITS\_2 | EM2UNITS | No transformation |
| E&M Code 2-Diagnosis Pointer | char(4) | 148 | CPTDX\_2 | EM2DX | No transformation |
| E&M Code 2-Provider Pointers | char(5) | 149 | CPTPROV\_2 | EM2PROV | No transformation |
| E&M Code 3 | char(5) | 150 | CPT\_3 | EM3 | No transformation |
| E&M Code 3-Modifier 1 | char(2) | 151 | CPTMOD1\_3 | EM3MOD1 | No transformation |
| E&M Code 3-Modifier 2 | char(2) | 152 | CPTMOD2\_3 | EM3MOD2 | No transformation |
| E&M Code 3-Modifier 3 | char(2) | 153 | CPTMOD3\_3 | EM3MOD3 | No transformation |
| E&M Code 3-Units of Care | N(8) | 154 | CPTUNITS\_3 | EM3UNITS | No transformation |
| E&M Code 3-Diagnosis Pointer | char(4) | 155 | CPTDX\_3 | EM3DX | No transformation |
| E&M Code 3-Provider Pointers | char(5) | 156 | CPTPROV\_3 | EM3PROV | No transformation |
| CPT/HCPCS Code 1 | char(5) | 157 | CPT\_4 | CPT1 | No transformation |
| CPT/HCPCS Code 1-Modifier 1 | char(2) | 158 | CPTMOD1\_4 | CPT1MOD1 | No transformation |
| CPT/HCPCS Code 1-Modifier 2 | char(2) | 159 | CPTMOD2\_4 | CPT1MOD2 | No transformation |
| CPT/HCPCS Code 1-Modifier 3 | char(2) | 160 | CPTMOD3\_4 | CPT1MOD3 | No transformation |
| CPT/HCPCS Code 1-Units of Care | N(8) | 161 | CPTUNITS\_4 | CPT1UNITS | No transformation |
| CPT/HCPCS Code 1-Min of Anesthesia | N(8) | 162 | CPTMIN\_4 | CPT1MIN | No transformation |
| CPT/HCPCS Code 1-Diagnosis Pointer | char(4) | 163 | CPTDX\_4 | CPT1DX | No transformation |
| CPT/HCPCS Code 1-Provider Linkage | char(5) | 164 | CPTPROV\_4 | CPT1PROV | No transformation |
| CPT/HCPCS Code 2 | char(5) | 165 | CPT\_5 | CPT2 | No transformation |
| CPT/HCPCS Code 2-Modifier 1 | char(2) | 166 | CPTMOD1\_5 | CPT2MOD1 | No transformation |
| CPT/HCPCS Code 2-Modifier 2 | char(2) | 167 | CPTMOD2\_5 | CPT2MOD2 | No transformation |
| CPT/HCPCS Code 2-Modifier 3 | char(2) | 168 | CPTMOD3\_5 | CPT2MOD3 | No transformation |
| CPT/HCPCS Code 2-Units of Care | N(8) | 169 | CPTUNITS\_5 | CPT2UNITS | No transformation |
| CPT/HCPCS Code 2-Min of Anesthesia | N(8) | 170 | CPTMIN\_5 | CPT2MIN | No transformation |
| CPT/HCPCS Code 2-Diagnosis Pointer | char(4) | 171 | CPTDX\_5 | CPT2DX | No transformation |
| CPT/HCPCS Code 2-Provider Linkage | char(5) | 172 | CPTPROV\_5 | CPT2PROV | No transformation |
| CPT/HCPCS Code 3 | char(5) | 173 | CPT\_6 | CPT3 | No transformation |
| CPT/HCPCS Code 3-Modifier 1 | char(2) | 174 | CPTMOD1\_6 | CPT3MOD1 | No transformation |
| CPT/HCPCS Code 3-Modifier 2 | char(2) | 175 | CPTMOD2\_6 | CPT3MOD2 | No transformation |
| CPT/HCPCS Code 3-Modifier 3 | char(2) | 176 | CPTMOD3\_6 | CPT3MOD3 | No transformation |
| CPT/HCPCS Code 3-Units of Care | N(8) | 177 | CPTUNITS\_6 | CPT3UNITS | No transformation |
| CPT/HCPCS Code 3-Min of Anesthesia | N(8) | 178 | CPTMIN\_6 | CPT3MIN | No transformation |
| CPT/HCPCS Code 3-Diagnosis Pointer | char(4) | 179 | CPTDX\_6 | CPT3DX | No transformation |
| CPT/HCPCS Code 3-Provider Linkage | char(5) | 180 | CPTPROV\_6 | CPT3PROV | No transformation |
| CPT/HCPCS Code 4 | char(5) | 181 | CPT\_7 | CPT4 | No transformation |
| CPT/HCPCS Code 4-Modifier 1 | char(2) | 182 | CPTMOD1\_7 | CPT4MOD1 | No transformation |
| CPT/HCPCS Code 4-Modifier 2 | char(2) | 183 | CPTMOD2\_7 | CPT4MOD2 | No transformation |
| CPT/HCPCS Code 4-Modifier 3 | char(2) | 184 | CPTMOD3\_7 | CPT4MOD3 | No transformation |
| CPT/HCPCS Code 4-Units of Care | N(8) | 185 | CPTUNITS\_7 | CPT4UNITS | No transformation |
| CPT/HCPCS Code 4-Min of Anesthesia | N(8) | 186 | CPTMIN\_7 | CPT4MIN | No transformation |
| CPT/HCPCS Code 4-Diagnosis Pointer | char(4) | 187 | CPTDX\_7 | CPT4DX | No transformation |
| CPT/HCPCS Code 4-Provider Linkage | char(5) | 188 | CPTPROV\_7 | CPT4PROV | No transformation |
| CPT/HCPCS Code 5 | char(5) | 189 | CPT\_8 | CPT5 | No transformation |
| CPT/HCPCS Code 5-Modifier 1 | char(2) | 190 | CPTMOD1\_8 | CPT5MOD1 | No transformation |
| CPT/HCPCS Code 5-Modifier 2 | char(2) | 191 | CPTMOD2\_8 | CPT5MOD2 | No transformation |
| CPT/HCPCS Code 5-Modifier 3 | char(2) | 192 | CPTMOD3\_8 | CPT5MOD3 | No transformation |
| CPT/HCPCS Code 5-Units of Care | N(8) | 193 | CPTUNITS\_8 | CPT5UNITS | No transformation |
| CPT/HCPCS Code 5-Min of Anesthesia | N(8) | 194 | CPTMIN\_8 | CPT5MIN | No transformation |
| CPT/HCPCS Code 5-Diagnosis Pointer | char(4) | 195 | CPTDX\_8 | CPT5DX | No transformation |
| CPT/HCPCS Code 5-Provider Linkage | char(5) | 196 | CPTPROV\_8 | CPT5PROV | No transformation |
| CPT/HCPCS Code 6 | char(5) | 197 | CPT\_9 | CPT6 | No transformation |
| CPT/HCPCS Code 6-Modifier 1 | char(2) | 198 | CPTMOD1\_9 | CPT6MOD1 | No transformation |
| CPT/HCPCS Code 6-Modifier 2 | char(2) | 199 | CPTMOD2\_9 | CPT6MOD2 | No transformation |
| CPT/HCPCS Code 6-Modifier 3 | char(2) | 200 | CPTMOD3\_9 | CPT6MOD3 | No transformation |
| CPT/HCPCS Code 6-Units of Care | N(8) | 201 | CPTUNITS\_9 | CPT6UNITS | No transformation |
| CPT/HCPCS Code 6-Min of Anesthesia | N(8) | 202 | CPTMIN\_9 | CPT6MIN | No transformation |
| CPT/HCPCS Code 6-Diagnosis Pointer | char(4) | 203 | CPTDX\_9 | CPT6DX | No transformation |
| CPT/HCPCS Code 6-Provider Linkage | char(5) | 204 | CPTPROV\_9 | CPT6PROV | No transformation |
| CPT/HCPCS Code 7 | char(5) | 205 | CPT\_10 | CPT7 | No transformation |
| CPT/HCPCS Code 7-Modifier 1 | char(2) | 206 | CPTMOD1\_10 | CPT7MOD1 | No transformation |
| CPT/HCPCS Code 7-Modifier 2 | char(2) | 207 | CPTMOD2\_10 | CPT7MOD2 | No transformation |
| CPT/HCPCS Code 7-Modifier 3 | char(2) | 208 | CPTMOD3\_10 | CPT7MOD3 | No transformation |
| CPT/HCPCS Code 7-Units of Care | N(8) | 209 | CPTUNITS\_10 | CPT7UNITS | No transformation |
| CPT/HCPCS Code 7-Min of Anesthesia | N(8) | 210 | CPTMIN\_10 | CPT7MIN | No transformation |
| CPT/HCPCS Code 7-Diagnosis Pointer | char(4) | 211 | CPTDX\_10 | CPT7DX | No transformation |
| CPT/HCPCS Code 7-Provider Linkage | char(5) | 212 | CPTPROV\_10 | CPT7PROV | No transformation |
| CPT/HCPCS Code 8 | char(5) | 213 | CPT\_11 | CPT8 | No transformation |
| CPT/HCPCS Code 8-Modifier 1 | char(2) | 214 | CPTMOD1\_11 | CPT8MOD1 | No transformation |
| CPT/HCPCS Code 8-Modifier 2 | char(2) | 215 | CPTMOD2\_11 | CPT8MOD2 | No transformation |
| CPT/HCPCS Code 8-Modifier 3 | char(2) | 216 | CPTMOD3\_11 | CPT8MOD3 | No transformation |
| CPT/HCPCS Code 8-Units of Care | N(8) | 217 | CPTUNITS\_11 | CPT8UNITS | No transformation |
| CPT/HCPCS Code 8-Min of Anesthesia | N(8) | 218 | CPTMIN\_11 | CPT8MIN | No transformation |
| CPT/HCPCS Code 8-Diagnosis Pointer | char(4) | 219 | CPTDX\_11 | CPT8DX | No transformation |
| CPT/HCPCS Code 8-Provider Linkage | char(5) | 220 | CPTPROV\_11 | CPT8PROV | No transformation |
| CPT/HCPCS Code 9 | char(5) | 221 | CPT\_12 | CPT9 | No transformation |
| CPT/HCPCS Code 9-Modifier 1 | char(2) | 222 | CPTMOD1\_12 | CPT9MOD1 | No transformation |
| CPT/HCPCS Code 9-Modifier 2 | char(2) | 223 | CPTMOD2\_12 | CPT9MOD2 | No transformation |
| CPT/HCPCS Code 9-Modifier 3 | char(2) | 224 | CPTMOD3\_12 | CPT9MOD3 | No transformation |
| CPT/HCPCS Code 9-Units of Care | N(8) | 225 | CPTUNITS\_12 | CPT9UNITS | No transformation |
| CPT/HCPCS Code 9-Min of Anesthesia | N(8) | 226 | CPTMIN\_12 | CPT9MIN | No transformation |
| CPT/HCPCS Code 9-Diagnosis Pointer | char(4) | 227 | CPTDX\_12 | CPT9DX | No transformation |
| CPT/HCPCS Code 9-Provider Linkage | char(5) | 228 | CPTPROV\_12 | CPT9PROV | No transformation |
| CPT/HCPCS Code 10 | char(5) | 229 | CPT\_13 | CPT10 | No transformation |
| CPT/HCPCS Code 10-Modifier 1 | char(2) | 230 | CPTMOD1\_13 | CPT10MOD1 | No transformation |
| CPT/HCPCS Code 10-Modifier 2 | char(2) | 231 | CPTMOD2\_13 | CPT10MOD2 | No transformation |
| CPT/HCPCS Code 10-Modifier 3 | char(2) | 232 | CPTMOD3\_13 | CPT10MOD3 | No transformation |
| CPT/HCPCS Code 10-Units of Care | N(8) | 233 | CPTUNITS\_13 | CPT10UNITS | No transformation |
| CPT/HCPCS Code 10-Min of Anesthesia | N(8) | 234 | CPTMIN\_13 | CPT10MIN | No transformation |
| CPT/HCPCS Code 10-Diagnosis Pointer | char(4) | 235 | CPTDX\_13 | CPT10DX | No transformation |
| CPT/HCPCS Code 10-Provider Linkage | char(5) | 236 | CPTPROV\_13 | CPT10PROV | No transformation |
| Reason for Appointment | char(78) | 237 | REASON |  | No transformation |
| DX(ICD-9-CM) Code, Encounter Chief Complaint | char(7) | 238 | COMPLAINT |  | Remove decimal. |
| Assigned MTF for Appointment Provider | char(4) | 239 | PROVMTF1 | PROVMTF | No transformation |
| Assigned MEPRS Code for Appointment Provider | char(4) | 240 | PROVMEPR1 | PROVMEPR | No transformation |
| Assigned MTF for Additional Provider 1 | char(4) | 241 | PROVMTF2 | ADD1MTF | No transformation |
| Assigned MEPRS Code for Additional Prov 1 | char(4) | 242 | PROVMEPR2 | ADD1MEPR | No transformation |
| Assigned MTF for Additional Provider 2 | char(4) | 243 | PROVMTF3 | ADD2MTF | No transformation |
| Assigned MEPRS Code for Additional Prov 2 | char(4) | 244 | PROVMEPR3 | ADD2MEPR | No transformation |
| Assigned MTF for Additional Provider 3 | char(4) | 245 | PROVMTF4 | ADD3MTF | No transformation |
| Assigned MEPRS Code for Additional Prov 3 | char(4) | 246 | PROVMEPR4 | ADD3MEPR | No transformation |
| Assigned MTF for Additional Provider 4 | char(4) | 247 | PROVMTF5 | ADD4MTF | No transformation |
| Assigned MEPRS Code for Additional Prov 4 | char(4) | 248 | PROVMEPR5 | ADD4MEPR | No transformation |
| Scope of Care | char(1) | 249 | SCOPE |  | No transformation |
| Telemedicine/Remote Consult Code | char(1) | 250 | TELEMED |  | No transformation |
| DOD Specific Injury Code | char(3) | 251 | STANAG |  | No transformation |
| Deployment Related Illness/Condition | char(1) | 252 | DEPLOYCOND |  | No transformation |
| Deployment Country | char(2) | 253 | DEPLOYCNTRY |  | No transformation |
| Deployed Relationship | char(1) | 254 | DEPLOYRELN |  | No transformation |
| Special Operations Code | char(2) | 255 | SOC\_R |  | No transformation |
| CHCS Host | char(4) | 256 | HOSTDMIS |  | For records with this field in the feed: No transformation.For records without this field: Apply the CHCS host reference format, using SITEID as the lookup key. |
| Sponsor Person ID Type Code | char(1) | 257 | SPONSIDTYPE |  | No transformation |
| Patient Person ID Type Code | char(1) | 258 | PATIDTYPE |  | No transformation |
| End of Record | char(5) | 259 | EOR |  | No transformation |
| Modified Appointment (Encounter) Date | char(8) |  | ENCDATE |  | Remove slash.ENCDATE=trim(left(compress(ENCDATE\_R,'/'))); |
| Modified Patient Zip Code | Char(9) |  | PATZIP |  | Remove hyphens.if substr(PATZIP\_R,6,1)='-' then PATZIP = substr(PATZIP\_R,1,5) || substr(PATZIP\_R,7,4); else PATZIP = substr(PATZIP\_R,1,9); |
| Calendar Month | Char(2) |  | CM |  | Derived from ENCDATE.CM=substr(ENCDATE,5,2); |
| Calendar Year | Char(4) |  | CY |  | Derived from ENCDATE.CY=substr(ENCDATE,1,4); |
| Fiscal Month | Char(2) |  | FM |  | Derived from ENCDATE.if CM in ('10' '11' '12') then do;FY=CY+1;FM=CM-9;end;else do;FY=CY;FM=CM+3;end; |
| Fiscal Year | Char(4) |  | FY |  | Derived from ENCDATE.See derivation of FM (above). |
| Site Identifier from Filename of Raw Feed | Char(8) |  | SITEID |  | Appears in the raw source filename after the first dot character. |
| M2 Code | Char(1) |  | M2CODE |  | Tracks record status through process and relative to the last record of the particular key saved in the CAPER-Enhanced, Master, MDR. Values are:Blank = Record exists in MasterU=Record changed and represents update to MasterN=Record is new, not before seen in Master. |
| Processing Date | Char(8) |  | PROCDATE |  | Date record was last updated during processing.Format yyyymmdd. |
| MDR Original CAPER Extract Date | Char(8) |  | EXTRDATE\_O |  | For FY11-FY12:=minimum EXTRDATE presented for the encounter.For FY13+: Set to the First CAPER Date (field #6) from merge with CAPER Supplemental file. If there is no matching supplemental record, leave the field unchanged. |

1. REFRESH FREQUENCY

The current fiscal year, and prior fiscal year when it is less than a quarter old, is refreshed weekly. After a prior year is more than a quarter old, it is refreshed semi-annually (April and October). Annual refreshes occur after that (October).

1. DATA MARTS

None at this time.

**APPENDIX 1: Identifying Invalid MEPR Codes.**

Table A1.1 displays the format file used to identify invalid MEPR codes so that they can be removed during CAPER processing.

| **Table A1.1. Format File for Identifying Invalid MEPRS Codes (/mdr/ref/caper.minvld.fmt and /mdr/aref/caper/minvld/*dyymmdd*.fmt).** |
| --- |
| PROC FORMAT; INVALUE M1INVLD 'A'=0 'B'=0 'C'=0 'D'=0 'E'=0 'F'=0 'G'=0 OTHER=1;PROC FORMAT; INVALUE M2INVLD OTHER=0;PROC FORMAT; INVALUE M3INVLD 'BET'=1 'BPM'=1 'BQQ'=1 'BTR'=1 'BTS'=1 'BZA'=1 'BZZ'=1 'DAP'=1 'FCH'=1 OTHER=0;PROC FORMAT; INVALUE M4INVLD OTHER=0; |

1. The CHCS Host Reference format is created based on the IP address of the monthly appointment file and will transition to the weekly Appointment file in Aug 2011. [↑](#footnote-ref-1)
2. Diagnosis codes are ICD-10 compliant (max length of ICD-10 diagnosis is 7 characters). [↑](#footnote-ref-2)