**13 July 2012**

Contingency Tracking System (CTS)

for the MHS Mart (M2)

(Version 1.03.03)

Current Specification

**Revision History**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Version** | **Date** | **Originator** | **Para/Tbl/Fig** | **Description of Change** |
| 1.00.00 |  | W. Funk |  | * Initial document (never posted to website) |
| 1.01.00 | 4/29/2011 | W. Funk |  | * Renamed “GWOT” to “OCO” * Added rules for join * Added Case Management and Appointment data types |
| 1.02.00 | 5/6/2011 | K. Hutchinson for W. Funk | * Table 3 | * Added Direct Care Dental |
| 1.03.00 | 6/20/2011 | J. MacLeod for W. Funk | * Section II | * Changed delimiter from ! to | |
| 1.03.01 | 7/8/2011 | R. Holmes for W. Funk | * Table 2 | * Matching column eliminated (identical for all rows) and matching rule moved to table preface. |
| 1.03.02 | 1/6/2012 | R. Holmes for W. Funk | * Table 2 | * Initial buffer record that preceded first deployment eliminated. |
| 1.03.03 | 7/13/2012 | J. Huber for W. Funk | * Table 2 | * Added Pseudo Person ID * Indicated Person ID visible only in restricted universe |

**Contingency Tracking System (CTS) for the MHS Mart (M2)**

1. **Source**

The source for the M2 CTS file is the MHS Data Repository (MDR) CTS File.

1. **Input Feeds**

File format: Regardless of the length specified, all fields are variable length and delimited by “|”. A null field will simply have an end of field delimiter “|” immediately following the previous field’s end of field delimiter (unless it is the last field).

1. **Organization and Batching**

Each batch contains all records from the MDR CTS file. Refreshes are provided monthly.

1. **Filters**

Only records with a populated Person ID are provided in the CTS feed.

1. **File Location**

The CTS file is hidden from users and cannot be directly queried.[[1]](#footnote-1)

1. **Appended Fields:**

There are no appended fields because the CTS file is hidden from users.

1. **Updating the Master Tables**

The CTS feeds are full-file refreshes. For the initial feed, the file shall simply be loaded. For updates, the existing data should be removed and the new feed loaded.

1. **Record Layout and Content**

The feed record layout is in Table 1.

**Table 1: Layout of Feed to M2**

| **Variable Name** | **MDR SAS Name** | **Format** | **M2 Derivation** |
| --- | --- | --- | --- |
| Person ID | edi\_pn | $10 | No transformation; visible only in restricted universe. |
| Sponsor ID | sponssn | $9 | No transformation. |
| Deployment Number | dep\_num | $3 | No transformation. |
| Component | component | $1 | No transformation. Hidden field. Will not be populated initially. |
| Sponsor Service | service | $1 | No transformation. Hidden field. Will not be populated initially. |
| Sponsor Service, Aggregate | sponsvc | $1 | No transformation. Will not be populated for FY04 or earlier. |
| Number of Times Deployed | times\_dep | 2 | No transformation |
| Begin Date | begdate | YYYYMMDD | No transformation |
| End Date | enddate | YYYYMMDD | No transformation |
| Location | loc | $3 | No transformation. Hidden field. Will not be populated initially. |
| Most Recent Deployment | recent | $1 | No transformation. (Y/N flag) |
| Length of OCO Deployment | dep\_length | 5 | No transformation. Not populated unless record type (Deployment Record Flag) is “D”. |
| Cumulative OCO Deployed Days | dep\_days | 5 | Hidden field (deployed days as of begin date of this record) |
| Current Record Flag | current | $1 | Hidden field (used when linking to other tables). |
| Deployment Record Flag | rec\_type | $1 | No transformation. |

1. **Application of CTS Data to Other M2 Data Tables**

In many of the M2 data tables, attributes about particular data elements are visible to users, even though in many cases, the attributes are not provided in the individual data feeds to M2. Table 2 describes the fields that are made available from the M2 CTS File. For every record of any M2 person-level data table, a single matching record is selected from the CTS file based on (1) the Pseudo Person ID of the records match AND (2) the reference date2 falls between the Begin Date and the End Date (inclusive) of the CTS record. When there is no matching CTS record, the table below specifies what to display for “no match”:

**Table 2: Fields derived by M2 from the CTS Table**

| **Data Element to be visible in M2 tables** | **Format** | **Object Type** | **Calculation or additional matching (Reference Dates vary by table)** |
| --- | --- | --- | --- |
| Ever Deployed Flag (OCO) | $1 | D | If no matching record, set to ’N’, else set to ‘Y’. |
| Days Since Return from OCO Depl  *(Dimension)* | $5 | D | If Deployment Record Flag = ”D” then set to null.  If Deployment Record Flag = “B” set to reference date[[2]](#footnote-2) – CTS begin date.  If no matching record set to null. |
| Days Since Most Recent OCO Depl  *(Measure)* | 5 | M | If Deployment Record Flag = ’D’ then set to 0.  If Deployment Record Flag = “B” set to reference date – CTS begin date.  If no matching record set to 0. |
| Cumulative OCO Days Deployed | 5 | D | If Deployment Record Flag = ”D” and Cumulative OCO Deployed Days is null then set to Reference Date – CTS Begin Date;  Else if Deployment Record Flag = “D” then set to Cumulative OCO Days Deployed + (Reference Date – CTS Begin Date);  Else if Deployment Record Flag = “B” then set to Cumulative OCO Days Deployed;  If no matching record, set to null. |
| OCO Deployed Flag | $1 | D | Indicates whether the person was in a deployment status at the time of the encounter.  Rule: If Deployment Record Flag = “D”, set to ‘Y’; else (including if no matching record) set to ‘N’.. |
| Pseudo Person ID | $10 | D | Encrypt Person ID |

The data files for which the CTS data shall be applied are listed in Table 3. The calculation logic calls for a “reference date” to be used in deriving the required data elements. This date varies, depending on data type. Reference dates are also described in table 3.

**Table 3: Reference Dates for CTS-based derived fields**

| **Table (Object Class) to add CTS Information to** | **Begin and End Date from CTS Table contains the following reference date:** |
| --- | --- |
| DEERS Person Detail | 1st of month associated with CY/CM of DEERS file. |
| TRICARE Relationship Detail | 1st of month associated with CY/CM of Relationship file. |
| Inpatient Admissions Detail | Admission Date |
| Professional Encounters (SADR) | Service Date |
| Professional Encounters (CAPER) | Service Date |
| Direct Care Laboratory | Service Date |
| Direct Care Radiology | Service Date |
| TED Institutional | End Date of Care |
| TED Non Institutional | Begin Date of Care |
| Pharmacy Data Transaction Service | Issue Date |
| Case Management | Acuity Level Begin Date |
| Purchased Care Dental | Begin Date |
| Appointment | Appointment Date |
| Direct Care Dental | Encounter Date |

1. **Quality Review**

1. There are no plans to make this table visible to the users. [↑](#footnote-ref-1)
2. Reference Date per specific data type is listed in Table 3. [↑](#footnote-ref-2)