**2 September 2020**

Ill, Injured and Wounded (IIW) Cohort File

for the

MHS Data Repository (MDR)

(Version 2.00.02)

Current Specification

**Revision History**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Version** | **Date** | **Originator** | **Para/Tbl/Fig** | **Description of Change** |
| 1.00.00 | 02/14/2012 | W. Funk | * Entire document |  |
| 2.00.00 | 12/21/2016 | L. Hopkins | * Appendix A | * Added ICD 10 and MSDRG codes for identifying IIW conditions |
| 2.00.01 | 9/26/2017 | W. Funk | * Table 3 | * Added DMIS ID Index and Omni CAD merges * Added fields related to NDAA 2017 and T2017. Blanked out ACV |
| 2.00.02 | 9/2/2020 | L. Hopkins | * Appendix A * Table 1 | * Added additional ICD 9 and ICD 10 Diagnosis Codes and CPT codes for identifying Amputations * Added TMDS as a source * Changed Pending to Available for MHS Genesis datasets * Removed data sources that are not available * Removed Special HCDP rows from spec * Changed DEERS source to VM6BEN |

# MDR Ill, Injured and Wounded (IIW) Cohort File

1. Background:

Among the priorities of the military health system, caring for service members returning from combat zones is exceedingly important. There have been many service members returning from theater with healthcare requirements that originated while serving their country in the Global War on Terror (GWOT). The purpose of this file is to identify such members to facilitate caring for them. This file casts the widest net possible, with flags to help narrow its use.

1. Source:

There are a number of data files used to create the IIW cohort file. The sources are described in table 1. Reference tables are not included.

**Table 1: Data Sources for the IIW File**

| **Source** | **Data File** | **Purpose** | **Source Status** |
| --- | --- | --- | --- |
| DMDC | Contingency Tracking System (CTS) | To identify service members returning from OIF/OEF | Available |
| MDR | DEERS VM6 | To identify medical retirements, deaths, and WTU status | Available |
| MDR | Master Death File | To identify death | Available |
| MDR | SIDR | To identify particular conditions generally associated with OIF/OEF and to identify members who have had health records denoted as battle injury | Available |
| MDR | SADR | To identify particular conditions generally associated with OIF/OEF | Available |
| MDR | CAPER | To identify particular conditions generally associated with OIF/OEF | Available |
| MDR | TED-I | To identify particular conditions generally associated with OIF/OEF | Available |
| MDR | TED-N | To identify particular conditions generally associated with OIF/OEF | Available |
| MDR | DEERS LVM | To add enrollment information. | Available |
| MDR | Genesis Basic Encounter | To identify particular conditions generally associated with OIF/OEF | Available |
| MDR | Genesis Basic Admission | To identify particular conditions generally associated with OIF/OEF | Available |
| MDR | TMDS Enhanced Encounter | To identify particular conditions generally associated with OIF/OEF | Available |

1. Transmission (Format and Frequency):

Most of the input files are existing MDR public or restricted files. In these cases, transmission of source data is covered in the specifications of these data files. The files that are not in the MDR currently will be eventually. The IIW file will initially be built using what is available at the time of fielding. Once all MDR source file processors have been developed and are running, the IIW processor will be modified to use the MDR public files in lieu of raw feeds.

For specifics about field positions and such, the Interface Control Documents should be consulted.



1. Organization and Batching

All data feeds are simply provided to the MDR. There is no batching.

1. Receiving Filters

None

1. Update process

There is no update process; the file is simply recreated each week. The IIW file is to be processed using the most recent data available at the time of processing.

1. Data processing, Field Transformations and Deletions for MDR Core Database

This section of this functional specification describes the processing to create the IIW file.

The basic process is to (1) apply filters to source files as needed, (2) merge sources, and (3) derive fields.

Table 3 below describes each data file and the merge rules.

**Table 3: Merge Rules for IIW Processing**

| **Merge** | **Merge basis** | **Additional Rules** | **Status** |
| --- | --- | --- | --- |
| Contingency Tracking System (CTS) | Social Security Number | Keep records if rectype=’D’. | Currently Implemented |
| DEERS Restricted VM6 | Sponsor social security number where the relationship code is sponsor. | Use most recent VM6 file with no limits applied | Currently implemented |
| SIDR | Sponsor social security number where (PARC indicates a sponsor, or where DDS is 20) | Include MTF SERVICE in (‘A’ ‘N’ ‘F’) and MTF Region in CONUS (including HI and AK).  Only match records where the admission date is after the begin date of the earliest CTS record and where the site is not an external resource share. | Currently implemented |
| SADR | Sponsor social security number where (PARC indicates a sponsor, or where DDS is 20) | Include if APPTINFR=N and MTF Region is CONUS (including HI and AK). Include if MEPRS code=’B’ or ‘FBN’. Exclude of PDHA and PDHRA only (DX1 in ('V705 6' 'V705 4' 'V705 D') and DX2 is blank and CPT1 is blank).  Only match records where the encounter date is after the begin date of the earliest CTS record and the compliance status is “R”. | Currently implemented |
| CAPER | Sponsor social security number where (PARC indicates a sponsor, or where DDS is 20) | Include if APPTINFR=N and MTF Region is CONUS (including HI and AK). Include if MEPRS code=’B’ or ‘FBN’. Exclude of PDHA and PDHRA only (DX1 in ('V705 6' 'V705 4' 'V705 D') and DX2 is blank and CPT1 is blank).  Only match records where the encounter date is after the begin date of the earliest CTS record and the compliance status is “R”. | Currently implemented |
| TED-I | Sponsor social security number where (PARC indicates a sponsor, or where DDS is 20) | Only match records where the begin date of care is after the begin date of the earliest CTS record | Currently implemented |
| TED-N | Sponsor social security number where (PARC indicates a sponsor, or where DDS is 20) | Read in records on DHP table only. Exclude PLACE=’26’.  Only match records where the begin date of care is after the begin date of the earliest CTS record | Currently implemented |
| DEERS LVM6 | Sponsor social security number where the relationship code is sponsor. | Date matching is dependent on the particular data field being appended. See format table for details. |  |
| MDR Omni CAD | FY, Zip Code |  |  |
| MDR DMIS ID Index | FY, DMIS ID |  |  |
| Genesis Encounter | Sponsor social security number where the relationship code is sponsor (PARC indicates a sponsor, or where DDS is 20) | Only match records where the visit date is after the begin date of the earliest CTS record | Currently implemented |
| Genesis Admission | Sponsor social security number where the relationship code is sponsor (PARC indicates a sponsor, or where DDS is 20) | Only match records where the admission date is after the begin date of the earliest CTS record | Currently implemented |
| TMDS Encounter | Sponsor social security number | Only match records where the Encounter Date is after the begin date of the earliest CTS record. |  |

Business rules for each of the appended fields that result from the merges above, are described in the body of table 4, or in an appendix, referenced in that table. Additional derived fields are also described in this table.

1. Record Layout and Content

The MDR IIW file is a SAS Dataset, with one member called “IIW”. Table 4 describes the format, file layout and field derivation rules for the MDR IIW data file.

Table 4: MDR IIW SAS Dataset—Currently Implemented

| **MDR IIW Field** | **SAS Name** | **Format** | **Source Element** | **Transformation Rule** |
| --- | --- | --- | --- | --- |
| Sponsor SSN | sponssn | $9 | SSN | Merge key |
| Fields derived from CTS merge | | | | |
| Person ID | edi\_pn | $10 | edi\_pn | Get from CTS file |
| Service | service | $1 | service | Get from CTS file |
| Earliest deployment begin date | begdate | YYYYMMDD | begdate | Select the earliest begin date for all matching records in CTS |
| Latest deployment end date | enddate | YYYYMMDD | enddate | Select the latest end date for all matching records in CTS |
| Cumulative days deployed | totdays | 8 | totdays | Sum all days deployed across all deployment records for the social security number. |
| Cumulative days deployed | Totdays\_excl\_curr | 8 | totdays | Sum all days deployed across all deployment records for the social security number. Exclude records where person is still deployed. |
| Length of most recent deployment | days\_recent | 8 | begdate, enddate | Using the highest deployment number, compute the difference between end and begin date. If currently deployed, set to 0. |
| Currently deployed flag | depflag | $1 | begdate, enddate | If the IIW processing date is between the begin and end dates of the most recent deployment, set to “Y”, else set to “N”. |
| Days since most recent deployment | days\_since | 8 | enddate | If current deployment flag is “Y”, set to 0. Otherwise, use the record with the highest deployment number and subtract the end date from the date the IIW processing date. |
| Fields derived from DEERS VM6 Merge | | | | |
| Medical Retirement Indicator | medret | $1 | Ret type code | Set to “Y” if any record for a member indicates retirement type code is “medical” (values D or E); otherwise set to “N”. |
| End Eligibility Date | endelg | YYYYMMDD | Direct care eligibility end date | Currently blank.  Set to direct care end eligibility date if the end date of eligibility is greater than the processing date on any record where the member is a sponsor; otherwise, set to blank. |
| Death Indicator | death | $1 | Death Code, Derived Death Code | Set to “Y” if either death code indicates the member is deceased on any VM6 record or Master Death file; otherwise set to “N” |
| Death Date | deathdt | YYYYMMDD | Death Date, Derived Death Date | If a match is found in either VM6 or Master Death file, then fill with the earliest death date in VM6 or Master Death file; otherwise blank fill. |
| Fields derived from LVM Merge | | | | |
| Enrollment Site | enrsite | $4 | N/A | Fill with enrollment site if processing date is between the begin and end date of the segment, otherwise blank. See VM-6 specification, sections G18 and G19 for segment and field positions |
| Alternate Care Value | acv | $1 | N/A | Fill with ACV if processing date is between the begin and end date of the segment, otherwise blank. See VM-6 specification, Sections G-18 and G19 for segment and field positions. BLANK FILL 1/1/2018 and later |
| Primary Care Manager ID | pcmid | $18 | N/A | Fill with PCM\_ID if processing date is between the begin and end date of the segment, otherwise blank. See VM-6 specification, Sections G18 and G19 for segment and field positions. |
| Sponsor Service, Aggregated | sponsvc | $1 | N/A | Fill with Sponsor Service Aggregate if processing date is between the begin and end date of the segment, otherwise blank. See VM-6 Specification, Sections G18 and G19 for segment and field positions. |
| Beneficiary zip code | patzip | $5 | N/A | Fill with beneficiary zip code if processing date is between the begin and end date of the segment, otherwise blank. See VM-6 Specification, Sections G18 and G19 for segment and field positions. |
| Bencat | bencat | $3 | N/A | Fill with bencat if processing date is between the begin and end date of the segment, otherwise blank. See VM-6 Specification, Sections G18 and G19 for segment and field positions. |
| Common Bencat | comben | $1 | N/A | Fill with bencat common if processing date is between the begin and end date of the segment, otherwise blank. See VM-6 Specification, Sections G18 and G19 for segment and field positions. |
| Eligibility Group | elg\_grp | $2 | N/A | Fill with eligibility group if processing date is between the begin and end date of the segment, otherwise blank. See VM-6 Specification, Sections G18 and G19 for segment and field positions. |
| Enrollment Group | enr\_grp | $2 | N/A | Fill with enrollment group if processing date is between the begin and end date of the segment, otherwise blank. See VM-6 Specification, Sections G18 and G19 for segment and field positions. |
| PCM type | pcm\_type | $1 | N/A | Fill with PCM Type if processing date is between the begin and end date of the segment, otherwise blank. See VM-6 Specification, Sections G18 and G19 for segment and field positions. |
| Derived from merges with SIDR, SADR, TED-I, TED-N, VA Claims[[1]](#footnote-1), Genesis Encounter, Genesis Admission, TMDS & CTS | | | | |
| PTSD Flag | ptsd | $1 | All DX Codes | See Appendix A.  If any of the PTSD medical code is reported on or after the earliest begin date of the first CTS record then set to “Y”, else set to “N”. |
| Spinal Cord Injury Flag | spinal | $1 | All DX Codes | See Appendix A.  If any of the Spinal Cord Injury medical code reported on or after the earliest begin date of the first CTS record then set to “Y”, else set to “N”. |
| Lower Body Amputation Flag | amputate | $1 | DRG, All DX Codes, All Proc Codes | See Appendix A.  If any of the Lower Body Amputation medical code is reported on or after the earliest begin date of the first CTS record then set to “Y”, else set to “N”. |
| Other Mental Health Flag | othmh | $1 | MDC, All DX Codes | See Appendix A.  If any of the Other Mental Health medical code is reported on or after the earliest begin date of the first CTS record then set to “Y”, else set to “N”. |
| Burn Flag | burn | $1 | MDC | See Appendix A.  If any of the Burn medical code is reported on or after the earliest begin date of the first CTS record then set to “Y”, else set to “N”. |
| Concussion Flag | tbi | $1 | All DX Codes | See Appendix A.  If any of the Concussion medical code is reported on or after the earliest begin date of the first CTS record then set to “Y”, else set to “N”. |
| Shrapnel Flag | shrapnel | $1 | DRG | See Appendix A.  If any of the Shrapnel medical code is reported on or after the earliest begin date of the first CTS record then set to “Y”, else set to “N”. |
| Fracture Flag | fracture | $1 | All DX Codes | See Appendix A.  If any of Fracture medical code is reported on or after the earliest begin date of the first CTS record then set to “Y”, else set to “N”. |
| Blindness Flag | blind | $1 | All DX Codes | See Appendix A.  If any of the Blindness medical code is reported on or after the earliest begin date of the first CTS record then set to “Y”, else set to “N”. |
| Multiple Significant Trauma Flag | sigtrauma | $1 | MDC, DRG | See Appendix A.  If any of the Multiple Significant Trauma medical code is reported on or after the earliest begin date of the first CTS record then set to “Y”, else set to “N”. |
| STANAG Battle Injury Flag | battleinj | $1 | stanag | If SIDR STANAG code is 300-499 then set to “Y”, else set to “N”. |
| Total Estimated Health Care Costs Since Deployment | cost | 8 | Full cost, allowed amount | Sum of all full costs (for direct care) and allowed amounts (for purchased care) since the earliest begin date from CTS. |
| Most recent treatment provider | recentprov | $14 | MTF, provider tax ID, multiple provider ID | Using the SIDR, SADR, TED-I, TED-N and VA claims, fill with: Most recent Treatment MTF if that is a SIDR or SADR; fill with provider tax id and multiple provider id if most recent encounter/admission is in the network. In TED-N, do not populate provider tax id from pharmacy (PIC=’D’ or provider taxid=’431867735’, or CPT code=’98800’), laboratory (CPT code ‘80000’-‘89999’) and radiology claims (CPT codes ‘70000’-‘79999’). |
| **From Omni CAD Merge** | | | | |
| Beneficiary T3 region | ben\_t3\_reg | $2 |  | T3\_REG, based on FY/FM and patzip |
| Beneficiary T2017 region | ben\_t17\_reg | $2 |  | T17\_REG, based on FY/FM and patzip |
| **From DMIS ID Index Table Merge** | | | | |
| Enrollment Site T3 Region | enr\_t3\_reg | $2 |  | T3\_REG, based on FY and enrollment site |
| Enrollment Site T2017 Region | enr\_t17\_reg | $2 |  | T17\_REG, based on FY and enrollment site |
| Internally Derived Fields | | | | |
| Earliest IIW Clinical Record Match Date | early | YYYYMMDD | N/A | The earliest of the begin date, admission date or encounter date where an IIW condition (PTSD, spinal cord injury, amputation, other MH, burn, concussion, shrapnel, fracture, blindness, multiple sig trauma, battle injury) is found from SIDR, SADR, TED-I, TED-N, and VA Claims. If no IIW condition then blank fill. |
| ACV Group | acvgroup | $2 |  | If processing date is >=1/1/2018 then:f enr\_grp is “P” then set to “PR” elseif enr\_grp is “L” then set to “PL” elseif enr\_group=”U” then set to “DP” elseif (bencat common=4 and pcm\_type=N) then “R” elseif pcm\_type=”O” then “R” elseif elg\_grp in (“R” “S”) then “O” else “O”  Not populated between 1/1/2018 |

1. Data Marts

Data feeds are prepared in MDR processing and provided to the M2 on a monthly basis, as described in M2 Ill Injured and Wounded Specification.

1. Special Outputs

Internal reference files are used in processing. These will be added to this specification as the processor is built.

1. Quality Review

TBD

1. Directory location

TBD

**Appendix A**

The most recent available FY01-present SIDR, SADR, CAPER, TEDi, TEDni, Genesis Admission, Genesis Encounter, and TMDS claims data are searched for service members in the Contingency Tracking System Data File. In future iterations, VA Claims data will also be searched. Various flags are added to each member’s record indicating that a diagnosis or procedure had occurred on or after the earliest date of the first CTS deployment record. The following medical codes were used to determine PTSD, Spinal Cord Injury, Lower Body Amputation, Other Mental Health, Burn, Concussion, Shrapnel, Fracture, Blindness, Multiple Significant Trauma, and STANAG Battle Injury flags.

| **MDR IIW Field** | **ICD 9 DX Code** | **ICD 10 Dx Code (FY16 forward)** | **Procedure Code** | **DRG Code** | **MS DRG Code** | **MDC Code** | **MS MDC Code** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| PTSD Flag | 308, 30981 | F430, R457, F4310, F4311, F4312 | Any | Any | Any | Any | Any |
| Spinal Cord Injury Flag | 806, 952 | S140\*A, S141\*A, S240\*A, S241\*A, S340\*A, S341\*A, S343\*A | Any | Any | Any | Any | Any |
| Lower Body Amputation Flag | 8850,8860,8870,8872,8874,8950,8960,8970,8972,8974,9059,V490,V4960,V4961,V4962,V4963,V4964,V4965,V4966,V4967,V4971,V4972,V4973,V4974,V4975,V4976,V5889,V8821,V8822 | See below | 27880-27889,  28800-28825 | 213 | 474,  475,  476 | Any | Any |
| Other Mental Health Flag | Any except 308 and 30981 | Any except F430, R457, F4310, F4311, F4312 | Any | Any | Any | 19 | 19 |
| Burn Flag | Any | Any | Any | Any | Any | 22 | 22 |
| Concussion Flag | 850, 3102 | Z915,F0781,Z8781,Z8782\*,DOD0101,DOD0102,DOD0103,DOD0104,DOD0105, S020\*A, S020\*B, S021\*A, S021\*B, S0291\*A, S0291\*B, S0402\*A, S0403\*A, S0404\*A, S060\*A, S060\*S, S061\*S, S062\*S, S0630\*S, S0631\*A-S0638\*A, S0631\*S-S0638\*S, S0638, S064\*A-S066\*A, S064\*S-S066\*S, S068\*S-S069\*S, S0910\*A, S0911\*A, S0919\*A, S098\*A, S0990XA | Any | Any | Any | Any | Any |
| Shrapnel Flag | Any | Any | Any | 217, 440 | 463,  464,  465,  901,  902,  903 |  |  |
| Fracture Flag | 800-829, 7331,  73393-73395 | M484\*A, M485\*A, M800\*A, M808\*A, M8430\*A-M8434\*A, M8436\*A-M8448\*A, M8450\*A-M8458\*A, M8460\*A-M8468\*A,  M8468XD, S020\*A-SO24\*A, S020\*B-S020\*B, S026\*A, SO26\*B, S028\*A-S029\*A, S028\*B-S029\*B, S120\*A-S126\*A, S120\*B-S126\*B,  S128XXA, S129XXA, S22\*A, S22\*B, S32\*A, S32\*B, S42\*A, S42\*B, S490\*A-S491\*A, S52\*A, S52\*B, S52\*C, S590\*A-S592\*A  S62\*A, S62\*B, S72\*A, S72\*B, S72\*C, S790\*A-S791\*A, S82\*A, S82\*B, S82\*C, S890\*A-S893\*A, S92\*A, S92\*B | Any | Any | Any | Any | Any |
| Blindness Flag | 36900-36908, 36910-36918, 36920-36925, 3693, 3694,  36960-36976, 3698 | H540,H542,H543,H548,H5410,H5411,  H5412,H5440,H5441,H5442,H5450,  H5451,H5452,H5460,H5461,H5462 | Any | Any | Any | Any | Any |
| Multiple Significant Trauma Flag | Any | Any | Any | 486-487 | 957,  958,  959,  963,  964,  965 | 24 | 24 |

**Amputation ICD 10 CM Diagnosis Codes:**

S48011A,S48011D,S48011S,S48012A,S48012D,S48012S,S48019A,S48019D,

S48019S,S48021A,S48021D,S48021S,S48022A,S48022D,S48022S,S48029A,

S48029D,S48029S,S48111A,S48111D,S48111S,S48112A,S48112D,S48112S,

S48119A,S48119D,S48119S,S48121A,S48121D,S48121S,S48122A,S48122D,

S48122S,S48129A,S48129D,S48129S,S48911A,S48911D,S48911S,S48912A,

S48912D,S48912S,S48919A,S48919D,S48919S,S48921A,S48921D,S48921S,

S48922A,S48922D,S48922S,S48929A,S48929D,S48929S,S58011A,S58011D,

S58011S,S58012A,S58012D,S58012S,S58019A,S58019D,S58019S,S58021A,

S58021D,S58021S,S58022A,S58022D,S58022S,S58029A,S58029D,S58029S,

S58111A,S58111D,S58111S,S58112A,S58112D,S58112S,S58119A,S58119D,

S58119S,S58121A,S58121D,S58121S,S58122A,S58122D,S58122S,S58129A,

S58129D,S58129S,S58911A,S58911D,S58911S,S58912A,S58912D,S58912S,

S58919A,S58919D,S58919S,S58921A,S58921D,S58921S,S58922A,S58922D,

S58922S,S58929A,S58929D,S58929S,S68011A,S68011D,S68011S,S68012A,

S68012D,S68012S,S68019A,S68019D,S68019S,S68021A,S68021D,S68021S,

S68022A,S68022D,S68022S,S68029A,S68029D,S68029S,S68110A,S68110D,

S68110S,S68111A,S68111D,S68111S,S68112A,S68112D,S68112S,S68113A,

S68113D,S68113S,S68114A,S68114D,S68114S,S68115A,S68115D,S68115S,

S68116A,S68116D,S68116S,S68117A,S68117D,S68117S,S68118A,S68118D,

S68118S,S68119A,S68119D,S68119S,S68120A,S68120D,S68120S,S68121A,

S68121D,S68121S,S68122A,S68122D,S68122S,S68123A,S68123D,S68123S,

S68124A,S68124D,S68124S,S68125A,S68125D,S68125S,S68126A,S68126D,

S68126S,S68127A,S68127D,S68127S,S68128A,S68128D,S68128S,S68129A,

S68129D,S68129S,S68411A,S68411D,S68411S,S68412A,S68412D,S68412S,

S68419A,S68419D,S68419S,S68421A,S68421D,S68421S,S68422A,S68422D,

S68422S,S68429A,S68429D,S68429S,S68511A,S68511D,S68511S,S68512A,

S68512D,S68512S,S68519A,S68519D,S68519S,S68521A,S68521D,S68521S,

S68522A,S68522D,S68522S,S68529A,S68529D,S68529S,S68610A,S68610D,

S68610S,S68611A,S68611D,S68611S,S68612A,S68612D,S68612S,S68613A,

S68613D,S68613S,S68614A,S68614D,S68614S,S68615A,S68615D,S68615S,

S68616A,S68616D,S68616S,S68617A,S68617D,S68617S,S68618A,S68618D,

S68618S,S68619A,S68619D,S68619S,S68620A,S68620D,S68620S,S68621A,

S68621D,S68621S,S68622A,S68622D,S68622S,S68623A,S68623D,S68623S,

S68624A,S68624D,S68624S,S68625A,S68625D,S68625S,S68626A,S68626D,

S68626S,S68627A,S68627D,S68627S,S68628A,S68628D,S68628S,S68629A,

S68629D,S68629S,S68711A,S68711D,S68711S,S68712A,S68712D,S68712S,

S68719A,S68719D,S68719S,S68721A,S68721D,S68721S,S68722A,S68722D,

S68722S,S68729A,S68729D,S68729S,S78011A,S78011D,S78011S,S78012A,

S78012D,S78012S,S78019A,S78019D,S78019S,S78021A,S78021D,S78021S,

S78022A,S78022D,S78022S,S78029A,S78029D,S78029S,S78111A,S78111D,

S78111S,S78112A,S78112D,S78112S,S78119A,S78119D,S78119S,S78121A,

S78121D,S78121S,S78122A,S78122D,S78122S,S78129A,S78129D,S78129S,

S78911A,S78911D,S78911S,S78912A,S78912D,S78912S,S78919A,S78919D,

S78919S,S78921A,S78921D,S78921S,S78922A,S78922D,S78922S,S78929A,

S78929D,S78929S,S88011A,S88011D,S88011S,S88012A,S88012D,S88012S,

S88019A,S88019D,S88019S,S88021A,S88021D,S88021S,S88022A,S88022D,

S88022S,S88029A,S88029D,S88029S,S88111A,S88111D,S88111S,S88112A,

S88112D,S88112S,S88119A,S88119D,S88119S,S88121A,S88121D,S88121S,

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Appendix B

1. When matching CTS and encounter claims records, use the begin date of care for claims, the encounter date for SADR, and the admission date for SIDR when comparing with the earliest CTS begin date. [↑](#footnote-ref-1)