**5 October 2010**

SIDR Reference Tables

for the

MHS Data Repository (MDR)

(Version 1.00.01)

Current Specification

Revision History

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Version | Date | Originator | Para/Tbl/Fig | Description of Change |
| 1.00.00 | 09/27/2010 | K. Hutchinson |  | Initial specification. |
| 1.00.01 | 10/05/2010 | K. Hutchinson | * Table 2 | * Corrected periodicity for ASAs |

**SIDR Reference Tables**

This specification describes the process required to convert the source files listed below into the proper format used in the SIDR (and possibly other) processor. These files also serve as reference files that analysts can access for use with other data types.

1. SOURCE

**Table 1. Source Files**

| **Source** | **Data File** | **Purpose** |
| --- | --- | --- |
| UBU (POC: Steve Toney, BEA) | Patient Category to Beneficiary Category mapping | Mapping for the creation of DMISBENF |
| BEA (SRA) | DMISID to DCWID mapping | Adding Direct Care Workload Identifier (DCWID) |
| BEA (SRA) | Adjusted Standardized Amount (ASA) | Adding ASA by MTF |
| BEA (SRA) | PWP, Laboratory, and Radiology Weights | Used to temporarily add PWP, RAD, and LAB weights to compute Full and Variable costs |
| Kennell and Associates (K&A) | DRG/MSDRG Surgical or Medical Indicator | Used to add/derive the fields MSFLAG and MSDRGSURG. Is part of the DRG weights table received from Kennell. |
| BEA (SRA) | PLCA Unit Costs | Application by MTF and MEPRS Code to derive Full and Variable Costs |
| BEA (SRA) | DRG/MSDRG Price | Application by DRG/MSDRG to create PRICE |
| BEA | DRG/MSDRG Weights and Stay Statistics | Used to derive the Relative Weighted Product (RWP) |

1. TRANSMISSION (Format and Frequency)

**Table 2. Format and Frequency of Source Files**

| **Source** | **Data File** | **Periodicity** | **Format as Received** |
| --- | --- | --- | --- |
| UBU | PATCAT\_BASELINE\_FY10\_ Release2-8-10 w ubo va changes.xls | As needed | Excel |
| BEA | DMISID table from www.dmisid.com | Quarterly | Excel |
| BEA | Adjusted Standardized Amount (ASA) | Yearly, around September | SAS dataset |
| BEA | PWP, Laboratory, and Radiology Weights | Yearly, Spring / Summer | Excel |
| K&A | DRG/MSDRG Surgical or Medical Indicator | Yearly, September / October | Excel |
| BEA | PLCA Unit Costs | Yearly, Summer | Excel or SAS dataset |
| BEA | DRG/MSDRG Price | Yearly, Summer | Excel or SAS dataset |
| K&A | DRG/MSDRG Weights and Stay Statistics | Yearly, September / October | Excel |

1. RECEIVING FILTERS

See individual table below for any specifics but in general, there are no filters.

1. DATA PROCESSING AND FIELD TRANSFORMATION
2. Patient Category to Beneficiary Category Mapping
3. Remove duplicate Patient Categories from the source data by keeping the first one listed and deleting any others. The “subcode” is not needed for the mapping.
4. Download the current PATCAT mapping from /mdr/aref/patcat.
5. Compare the new source data to the MDR file.
6. Do not delete any mappings in the MDR file just because they do not show up in the new source data.
7. Add any missing PATCAT to DMISBENF mappings, defining the DMISBENF based on the columns “Status of Patient”, “A&D List Cat”, and/or “Pat Cat Summary”. Or make an educated guess based on similar PATCATs. The valid values to map to are listed in the table below:

**Table 3. Valid Values of DMISBENF**

|  |  |
| --- | --- |
| **Valid Values** | **Definition** |
| ACT | Active Duty |
| DA | Dependents of Active Duty, Guard/Reserve |
| DCO | Direct Care Only |
| DR | Dependent of Retiree |
| GRD | Guard/Reserve |
| IDG | Inactive Dependents of Guard/Reserve |
| IGR | Inactive Guard/Reserve |
| OTH | Other |
| RET | Retiree |
| UNK | Unknown |

1. Create a SAS proc format as follows:

proc format;

value $patcat

‘xxx’=’yyy’

…

Other=’UNK’

;

Where xxx = PATCAT and yyy = a valid value

1. The file should be saved to /mdr/aref/patcat/dYYMMDD.fmt and the associated /mdr/ref area.
2. Treatment DMISID (MTF) to DCWID Mapping
   1. Download the DMISID table from [link http://www.dmisid.com](http://www.dmisid.com/).
   2. Keep columns DMISID and DCWID (usually columns A and B), deleting all others.
   3. If there is no DCWID listed, insert 4 spaces (‘ ‘) in the cell.
   4. Create a SAS proc format as follows:

proc format;

value $dcwid

‘xxxx’=’yyyyy’

…

Other=’UNK’

;

Where xxxx = DMISID, and yyyyy=DCWID

* 1. The file should be saved to /mdr/aref/sidr/apnd/dYYMMDD.txt and the associated /mdr/ref area.

1. Adjusted Standardized Amount (ASA)
   * 1. File received from source requires no additional computations, just possibly formatting or renaming of variables.
     2. SAS variables names for the deliverable SAS dataset are:

|  |  |
| --- | --- |
| ASA | Num(8,2) |
| MTF | Char(4) |

* + 1. The file should be saved to /mdr/aref/sidr/asa/fyXX/dYYMMDD/fyXX.sas7bdat and the associated /mdr/ref area, where XX is the two-digit fiscal year.

1. PWP, Laboratory, and Radiology Weights
   * 1. The PWP/Lab/Rad weight file is typically received as an Excel workbook.
     2. Compare the list of DRG/MSDRGs to the official list at /mdr/aref/sidr/msdrgwts (or drgwts, depending on FY) to ensure all the DRGs have a PWP, Lab, and Rad weight.
     3. If there is a missing DRG/MSDRG, consult with the SME to have values derived.
     4. SAS variables names for the deliverable SAS dataset are:

|  |  |
| --- | --- |
| DRG or MSDRG | Char(3) |
| LAB | Num(8,4) |
| PWP | Num(8,4) |
| RAD | Num(8,4) |

* + 1. The file should be saved to /mdr/aref/sidr/pwp/fyXX/dYYMMDD/pwp.sas7bdat and the associated /mdr/ref area, where XX is the two-digit fiscal year.

1. DRG/MSDRG Surgical/Medical Indicator
   * 1. File received from source requires only that the Medical/Surgical indicator be converted from M/S to 0/1; that is, if Medical/Surgical indicator in the source file is M then the value of the field in the deliverable file is 0; otherwise, the value of the field is 1.
     2. Keep the DRG/MSDRG and the newly-derived Med/Surg (0/1) columns.
     3. Create a SAS dataset with the following variables (The DRG and MSDRG retain the leading zeroes):

For the DRG files (FY08 and back):

|  |  |
| --- | --- |
| DRG | Char(3) |
| SURG | Num(8) |

For the MSDRG files (FY09 and forward):

|  |  |
| --- | --- |
| MSDRG | Char(3) |
| MSDRGSURG | Num(8) |

* + 1. The file should be saved to /mdr/aref/sidr/drgsurg/dYYMMDD/criteria.sas7bdat for FY08 and backwards; /mdr/aref/sidr/msdrgsurg/dYYMMDD/criteria.sas7bdat for FY09 and forward. The file should also be saved to its associated /mdr/ref area.

1. Patient Level Cost Allocation (PLCA) Unit Costs
   * 1. PLCA unit costs are derived by BEA contractor support.
     2. The final unit cost SAS dataset should have the following variables:

|  |  |
| --- | --- |
| ANCLAB\_F | Num(8,2) |
| ANCLAB\_I | Num(8,2) |
| ANCOTH\_F | Num(8,2) |
| ANCOTH\_I | Num(8,2) |
| ANCRAD\_F | Num(8,2) |
| ANCRAD\_I | Num(8,2) |
| CLNSAL\_F | Num(8,2) |
| CLNSAL\_F | Num(8,2) |
| DIRECT\_F | Num(8,2) |
| DIRECT\_I | Num(8,2) |
| ICU\_F | Num(8,2) |
| ICU\_I | Num(8,2) |
| MEPR | Char(3) |
| MEPR1 | Char(3) |
| MEPR2 | Char(3) |
| MEPR3 | Char(3) |
| MEPR4 | Char(3) |
| MTF | Char(4) |
| OTHSAL\_F | Num(8,2) |
| OTHSAL\_I | Num(8,2) |
| SUPPRT\_F | Num(8,2) |
| SUPPRT\_I | Num(8,2) |
| SURG\_F | Num(8,2) |
| SURG\_I | Num(8,2) |

* + 1. The file should be saved to /mdr/aref/sidr/costs/fyXX/dYYMMDD/costs.sas7bdat and the associated /mdr/ref area, where XX is the two-digit fiscal year.
    2. See the PLCA specification for more detail.

1. DRG/MSDRG Prices
   * 1. The Price by DRG is computed as a final step of the Patient Level Cost Allocation unit costs are derived by BEA contractor support.
     2. The final unit cost SAS dataset should have the following variables:

For the DRG files (FY08 and back):

|  |  |
| --- | --- |
| DRG | Char(3) |
| PRICE | Num(8,2) |

For the MSDRG files (FY09 and forward):

|  |  |
| --- | --- |
| MSDRG | Char(3) |
| PRICE | Num(8,2) |

* + 1. The file should be saved to /mdr/aref/sidr/prices/fyXX/dYYMMDD/fyXX.sas7bdat and the associated /mdr/ref area, where XX is the two-digit fiscal year.

1. DRG/MSDRG Weights and Stay Statistics
   * 1. The file from the source has little to no modifications required other than to ensure all the DRG/MSDRGs are listed and have values (ungroupables have “0” values).
     2. The final weights dataset are saved to a SAS datasets and should have the following variables:

|  |  |  |
| --- | --- | --- |
| DRGNUM | Num(8) | Convert char DRG/MSDRG to numeric |
| WEIGHT | Num(8,4) | 4 decimal places |
| ALOS | Num(8,2) | 2 decimal places |
| GLOS | Num(8,2) | 2 decimal places |
| LO\_CUT | Num(8) | Short stay threshold |
| HI\_CUTA | Num(8) | Long stay threshold – National |
| HI\_CUTB | Num(8) | Long stay threshold - Childrens |

* + 1. The file should be saved to /mdr/aref/sidr/drgwts/dYYMMDD/v##.sas7bdat for FY08 and backwards; /mdr/aref/sidr/msdrgwts/dYYMMDD/v##.sas7bdat for FY09 and forward, where ## is the TRICARE grouper version number for the FY (e.g., FY10 is version 27). The file should also be saved to its associated /mdr/ref area.