**11 February 2011**

Managed Care Forecasting and Analysis System (MCFAS)

for the MHS Data Repository (MDR)

(Version 1.01.00)

Current Specification

**Revision History**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Version** | **Date** | **Para/Tbl/Fig** | **Originator** | **Description of Change** |
| 1.00.00 | 11/13/2008 | * Whole document | J. Hufford | * Initial versioning. * Renumbered tables for easier reference. |
| 1.01.00 | 2/11/2011 | * Table 1 | C. Ciucci,  J. Hufford | * Additional fields added * Removed M2 Summary Privilege |

# MDR Managed Care Forecasting and Analysis System (MCFAS)

1. Source

Data capture system: Managed Care Forecasting and Analysis System

1. Transmission (Format and Frequency)

MCFAS files are provided to the MDR bi-annually, or whenever the master MCFAS database is refreshed. The files are provided via ftp, generally within a week of a MCFAS update. Although the files may be transmitted in any format, including fixed length flat files, the functional requirement is for SAS data sets. The MCFAS feeds to the MDR are described in the MDR MCFAS Interface Control Document. A feed is provided with each version update of MCFAS: the feed contains both year end and mid-year (average) population projections. The feed should include the base year population as well. The file header should include some reference to the version of MCFAS.

1. Organization and Batching

MDR MCFAS files are received and processed bi-annually, or whenever MCFAS is updated.

There is one MDR MCFAS file per version of MCFAS, containing the base year and all projection years of data and both average and year end projections.

1. Receiving Filters

No records are filtered from the MDR MCFAS feeds.

1. Field Transformations and Deletions for MDR Database

The transformation rules described in the table of Section VII are the functional requirement, based on the source data as it exists in MCFAS. They may be applied in the extraction process from MCFAS, or in subsequent processing elsewhere, before the finished file is stored in the MDR.

1. Updating the Master Tables

MDR MCFAS files are not updated, except when errors that occur in processing are discovered.

1. File Layout and Content

The table below reflects the fields as they exist in the MDR MCFAS file following processing. The MDR MCFAS file is a SAS Dataset. The original names from MCFAS are provided for reference.

**Table 1. MDR MCFAS Format and Fields**

| **MDR Variable Description** | **MCFAS Name** | **SAS Name** | **Format** | **Transformation Rule[[1]](#footnote-1)** |
| --- | --- | --- | --- | --- |
| Projected Population | N/A | POPQY | N | No transformation. |
| MCFAS Version Number | N/A | VERSNO | $10 | Derived from feed file header |
| Fiscal Year of projection | FISC\_YR\_DT | FY | $4 | No transformation |
| Fiscal Month of projection | N/A | FM | $2 | “12” if year end population; “6” if average population |
| Catchment Area | CATCH\_MA\_ID | DCATCH | $4 | No transformation. |
| PRISM Area | PRISM\_MA\_ID | DPRISM | $4 | No transformation. |
| Age | AGE\_CD | AGE | $3 | No transformation |
| Age Group Code | AGE\_GRP\_ID | DAGEGRP | $1 | No transformation |
| MCFAS Aggregate Age Group Code | CW\_AGE\_GRP\_ID | MAGEAGG | $1 | No transformation |
| MCFAS Aggregate Beneficiary Category | CW\_BEN\_CAT\_ID | MBENAGG | $1 | No transformation |
| MCFAS Aggregate Sponsor Service | CW\_SPSR\_SVC\_CD | MSPONSVC | $1 | No transformation |
| MCFAS Beneficiary Category | BEN\_CAT\_ID | MBENCAT | $1 | No transformation |
| Beneficiary Category | N/A | DBENCAT | $3 | Derived from MCFAS Expanded Beneficiary Category:  1=ACT;  2=DA;  5=RET;  6=DR;  7=DS;  8=OTH;  A=GRD;  B=DGR;  C=GRD;  D=DGR;  E=IGR;  F=IDG  All others=Z |
| CONUS Flag | CONUS\_CD | CONUSFLG | $1 | No transformation |
| Equivalent Lives Age Class | EBC\_AGE\_GRP\_ID | ELAGE | $1 | See table 2. |
| Equivalent Lives Beneficiary Group | EBC\_BEN\_CAT\_ID | ELBENCAT | $1 | See table 3. |
| Expanded Beneficiary Category | EXP\_BEN\_CAT\_ID | MBENEXP | $1 | No transformation |
| FIPS County Code | FIPS\_COUNTY\_ID | FIPSCNTY | $3 | No transformation |
| Gender | GENDER\_CD | GENDER | $1 | No transformation |
| Patient Region | RGN\_CD | DHSREG | $2 | No transformation |
| MCFAS Aggregate Beneficiary Category (Managed Care Beneficiary Category) | MC\_BEN\_GRP\_ID | MCBENCAT | $1 | No transformation |
| Pay Grade (Managed Care Pay Grade) | CW\_PAY\_GRD\_ID | MCPAYGRD | $1 | No transformation |
| Aggregate Marital Status (Marital Group) | EBC\_MARITAL\_CD | MARITAL | $1 | No transformation |
| Privilege Code | ELG\_ID | DMEDELG | $1 | No transformation |
| MSA | MSA\_ID | MSA | $4 | No transformation |
| SSA Code | SSA\_COUNTY\_ID | SSACNTY | $5 | No transformation |
| MCFAS Sponsor Pay Grade | SPSR\_PAY\_GR\_ID | MPAYGRD | $2 | No transformation |
| MCFAS Sponsor Rank | SPSR\_RANK\_ID | MRANK | $1 | No transformation |
| Sponsor Service, Common (sponsor service) | SPSR\_SVC\_CD | DSPONSVC | $1 | No transformation |
| Sponsor UIC | SVC\_UNIT\_ID | ASSGNUIC | $8 | No transformation |
| US Flag | US\_CD | USFLAG | $1 | No transformation |
| Zip Code | ZIP\_ID | DZIPCD | $5 | No transformation |
| Age 65+ Flag | AGE\_65\_CD | AGE65FLG | $1 | No transformation |
| Common Beneficiary Category | N/A | DCOMBEN | $1 | Derived from Beneficiary Category:   |  |  | | --- | --- | | Beneficiary Category (DBENCAT) | Common Beneficiary Category | | ACT | 4 | | DA | 1 | | GRD | 4 | | IGR | 3 | | DGR | 1 | | IDG | 3 | | RET | 2 | | DR | 3 | | DS | 3 | | OTH | 3 | | Z | 3 | |
| Beneficiary HSSC Region | TNEX\_RGN\_CD | DHSSCREG | $1 | No transformation |
| BPA Market Area | BPA\_MA\_ID | BPA\_DMIS | $1 | No transformation |
| Country of ZIP Code | COUNTRY\_CD | COUNTRY | $3 | No transformation |
| Expanded Age Group | EXP\_AGE\_GRP\_ID | EXPAGE | $1 | No transformation |
| Market Area Service Department | BPA\_MA\_DEPT\_CD CATCH\_MA\_DEPT\_CD MTFSA\_MA\_DEPT\_CD PRISM\_MA\_DEPT\_CD | BPA\_DEPT CAT\_DEPT MTFSA\_DEPT PRISM\_DEPT | $1 | No transformation |
| Market Area Type | BPA\_MA\_DESC\_CD CATCH\_MA\_DESC\_CD MTFSA\_MA\_DESC\_CD PRISM\_MA\_DESC\_CD | BPA\_TYPE CAT\_TYPE MTFSA\_TYPE PRISM\_TYPE | $1 | No transformation |
| Medicare A Eligibility Code | MED\_A\_CD | MEDAFLG | $1 | No transformation |
| Medicare B Eligibility Code | MED\_B\_CD | MEDBFLG | $1 | No transformation |
| Medical Privilege Group | ELG\_GRP\_ID | SUMPRIV | $1 | No transformation |
| MERHCF Direct Care Eligibility Code | MED\_MERHCF\_D\_CD | MERHCFDC | $1 | No transformation |
| MERHCF Purchased Care Eligibility Code | MED\_MERHCF\_P\_CD | MERHCFPC | $1 | No transformation |
| MTFSA Market Area | MTFSA\_MA\_DMIS\_ID | MTFSA\_DMIS | $4 | No transformation |
| POM Beneficiary Category | POM\_BEN\_GRP\_ID | POMBEN | $1 | No transformation |
| POM Medicare Group | MED\_POM\_CD | POMMED | $1 | No transformation |
| POM Medical Privilege Group | POM\_ELG\_GRP\_ID | POMELG | $1 | No transformation |
| President’s Budget Medicare Group | MED\_PB\_CD | PBMED | $1 | No transformation |
| PRIME Service Area | PSA\_CD | PSA | $1 | No transformation |
| Rank Group | N/A | DRANKGRP | $2 | | **Pay Grade** | **Rank Group** | | --- | --- | | ZZ | NA | | 00<= and <=4 | EJ | | 05 <= and <=9 | ES | | 11<= and <=15 | WO | | 20<= and <= 23 | OJ | | 24<= and <=31 | OS | | All Other | XX | |
| Sand Chart Beneficiary Category | SC\_BEN\_GRP\_ID | SANDBEN | $1 | No transformation |
| Service Command | BPA\_CMD\_CD CATCH\_CMD\_CD MTFSA\_CMD\_CD PRISM\_CMD\_CD | BPA\_CMD CAT\_CMD MTFSA\_CMD PRISM\_CMD | $misc | No transformation |
| Service Obligation Department | BPA\_OBLG\_DEPT\_CD CATCH\_OBLG\_DEPT\_CD MTFSA\_OBLG\_DEPT\_CD PRISM\_OBLG\_DEPT\_CD | BPA\_OBLG CAT\_OBLG MTFSA\_OBLG PRISM\_OBLG | $1 | No transformation |
| Service Sponsor Department | SPSR\_DEPT\_CD | SVCDEPT | $1 | No transformation |
| State of ZIP Code | STATE\_CD | STATE | $2 | No transformation |
| TRICARE Prime Remote | TPR\_CD | TPR | $1 | No transformation |

**Table 2: Equivalent Lives Age Class Logic**

| **Gender** | **Age** | **Aggregate Marital Status** | **Equivalent Lives Age beneficiary Group** |
| --- | --- | --- | --- |
| F | 0 – 1 | Any | A (All Females, Age 0 to 1) |
| F | 2 – 11 | Any | B (All Females, Age 2 to 11) |
| F | 12 – 17 | Any | C (All Females, Age 12 to 17) |
| F | 18 – 44 | M | D (Married Females, Age 18 to 44) |
| F | 18 – 44 | S | E (Single Females, Age 18 to 44) |
| F | 45 – 54 | Any | F (All Females, Age 45 to 54) |
| F | 55 – 64 | Any | G (All Females, Age 55 to 64) |
| F | 65 – 74 | Any | H (All Females, age 65 to 74) |
| F | 75+ | Any | I (All Females, aged 75+) |
| M | 0 – 1 | Any | J (All Males, Age 0 to 1) |
| M | 2 – 11 | Any | B (All Males, Age 2 to 11) |
| M | 12 – 17 | Any | C (All Males, Age 12 to 17) |
| M | 18 – 37 | M | D (Married Males, Age 18 to 44) |
| M | 18 – 37 | S | E (Single Males, Age 18 to 44) |
| M | 38 – 54 | Any | F (All Males, Age 45 to 54) |
| M | 55 – 64 | Any | G (All Males, Age 55 to 64) |
| M | 65 – 74 | Any | H (All Males, age 65 to 74) |
| M | 75+ | Any | I (All Males, aged 75+) |

**Table 3: Equivalent Lives Beneficiary Group Logic**

|  |  |  |
| --- | --- | --- |
| **MCFAS Aggregate Sponsor Service** | **MCFAS Beneficiary Category** | **Equivalent Lives Beneficiary Group** |
| N | 1, 3 | A (Navy, Active Duty and Guard/Reserve) |
| F | 1, 3 | B (Air Force, Active Duty and Guard/Reserve) |
| A | 1, 3 | C (Army, Active Duty and Guard/Reserve) |
| Not N, F, A | 1, 3 | D (Other Service, Active Duty and Guard/Reserve) |
| Any | 2, 4 | E (All Services, Family Members of Active Duty and Guard/Reserve) |
| Any | 6 | F (All Services, Family Members of Retirees) |
| Any | 7 | G (All Services, Survivors) |
| N | 5 | H (Navy, Retirees) |
| F | 5 | I (Air Force, Retirees) |
| A | 5 | J (Army, Retirees) |
| Not N, F, A | 5 | K (Other Services, Retirees) |
| Any | 8 | L (All Services, Others) |
| Any | Not 1, 2, 3, 4, 5, 6, 7, 8 | Z (Not Available) |

1. Refresh Frequency

MDR MCFAS Files are updated whenever MCFAS is updated, typically bi-annually.

1. Special Outputs

The MDR MCFAS file is used as input into the M2 Population Summary table.

1. Transformations may be accomplished via the extraction program in MCFAS, or by subsequent MDR processing to the raw MCFAS fields received. [↑](#footnote-ref-1)