RESOURCE AND PATIENT MANAGEMENT SYSTEM

IHS RPMS Dictionaries (Patient)

(AUPN)

Addendum to User Manual

Version 99.1 Patch 27
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Preface

The AUPN Package contains all dictionaries that comprise the 'clinical repository' or Patient Care Component (PCC). The dictionaries in this package are the primary files in which patient medical and registration data is housed. This package also contains various utilities and routines called from these dictionaries.

The Medicare Access and CHIP Reauthorization Act (MACRA) of 2015 requires the Centers for Medicare and Medicaid Services to remove Social Security Numbers (SSNs) from all Medicare cards by April 2019. A new Medicare Beneficiary Identifier (MBI) will replace the SSN-based Health Insurance Claim Number (HICN) on the new Medicare cards for Medicare transactions like billing, eligibility status, and claim status. This patch implements the database fields and supporting software necessary to support collection and retrieval of the new MBIs into existing patient data file structures.

1.0   Introduction

This patch contains modifications to IHS Standard patient and medical dictionaries. It also incorporates additions to the existing set of AUPN* utility routines and application programming interfaces (APIs) for retrieving patient data.

1.1   Summary of Changes

1.1.1   Files / Data Dictionaries

This patch introduces modifications to the following files:

1.1.1.1   **File #9000001 - PATIENT:**

FIELD #	FIELD NAME	SUBSCRIPT	PIECE	TYPE
4401	MBI (9000001.44)			
.01	EFFECTIVE DATE	D0,44,D1,0	1	D
1	MBI	D0,44,D1,0	2	F
2	SOURCE	D0,44,D1,0	3	S
3	DATE ENTERED	D0,44,D1,0	4	D
4	ENTERED BY	D0,44,D1,0	5	P
45	MOST RECENT MBI	D0,45,0	1	F

All added fields are subject to FileMan-based audit processes.

The **Date Entered**, **Entered By,** and **Most Recent MBI** fields are not user-editable; these fields are populated via FileMan trigger cross-references in response to **user MBI** field data entry/edit.

1.1.2   Routines

This patch adds the following routine(s) to the AUPN routine set:

- **AUPNMBI**: API support for Medicare Beneficiary Identifier (MBI) data entry and retrieval.

1.1.3   Application Programming Interfaces (APIs)

This patch adds the following APIs to the AUPN application:

1.1.3.1   **$$ADDMBI^AUPNMBI: Add an MBI for a patient**

Type: Extrinsic Function

Format: $$ADDMBI^AUPNMBI(PAT_IEN,EFF_DATE,MBI,SOURCE)

Table 1-1: Input parameters to add an MBI for a patient

Parameter	Description
PAT_IEN	Internal entry number (IEN) of patient's record in the PATIENT file (file #9000001).
EFF_DATE	Effective date of this MBI entry. Preferably the MBI issue date, if known; if not, the earliest effective date of any policy/policies associated with this MBI may be entered.
MBI	Medicare Beneficiary Identifier (MBI) value to be associated with this patient.
SOURCE	Originating data entry source for this MBI entry. Corresponds to a set of codes: MCR = Medicare card MCD = Medicaid card RRE = Railroad Retirement card CMS = CMS upload OTH = Other

Table 1-2: Returned values when adding an MBI for a patient

Return Status	Returned Value Description
Successful	Positive numeric value corresponding to MBI effective date, in FileMan internal date format (ex. 3171016 = 10/16/2017). This value will also be the internal entry number (IEN) of the corresponding entry created in the PATIENT file's MBI multiple.
Unsuccessful	0 (zero)

1.1.3.2 $$GETMBI^AUPNMBI: Retrieve existing MBI for a patient

Type: Extrinsic Function

Format: $$GETMBI^AUPNMBI(PAT_IEN,SVC_DATE,FORMAT)

Table 1-3: Input parameters to retrieve existing MBI for a patient

Parameter	Description
PAT_IEN	Internal entry number (IEN) of patient's record in the PATIENT file (file #9000001).
SVC_DATE	Date services were provided to this patient.
FORMAT	Desired format for returned value. Corresponds to a set of codes: 0 (default) = MBI only. 1 = MBI^Effective_Date^Source; FileMan internal formats. 2 = MBI^Effective_Date^Source; external formats.

Table 1-4: Returned values from retrieving existing MBI for a patient

Return Status	Returned Value Description
Successful	Dependent upon FORMAT input parameter specification: 0 (default) = MBI. 1 = MBI^Effective_Date^Source; Effective_Date and Source in FileMan internal format. 2 = MBI^Effective_Date^Source; Effective_Date and Source in external format
Unsuccessful	0 (zero)

1.1.3.3 $$HISTMBI^AUPNMBI: Retrieve MBI assignment history for a patient

Type: Extrinsic Function

Format: $$HISTMBI^AUPNMBI(PAT_IEN,.TARGET_ARRAY,FORMAT)

Table 1-5: Input parameters to retrieve an MBI assignment history for a patient

Parameter	Description
PAT_IEN	Internal entry number (IEN) of patient's record in the PATIENT file (file #9000001).
TARGET_ARRAY (call by reference)	Array designated to receive results from call, if successful.
FORMAT	Desired format for returned value. Corresponds to a set of codes: 1 (default) = Effective_Date and Source values in FileMan-internal formats. 2 = Effective_Date and Source values in external formats.

Table 1-6: Returned values when retrieving an MBI assignment history for a patient

Return Status	Returned Value Description
Successful	1 (one). User-designated target array will receive an array composed as follows: - Array subscripts consisting of MBI effective dates, in FileMan-internal date format. Each data node structured as MBI^Effective_Date^Source. Effective_Date and Source returned values formatted as indicated by FORMAT input parameter.
Unsuccessful	0^Error message

1.1.3.4 $$FORMOK^AUPNMBI: Validate MBI format compliance

Type: Extrinsic Function

Format: $$FORMOK^AUPNMBI(MBI)

Table 1-7: Input parameters to validate MBI format compliance

Parameter	Description
MBI	Medicare Beneficiary Identifier (MBI) to be validated.

Table 1-8:Returned values when validating MBI format compliance

Return Status	Returned Value Description
Successful	Submitted MBI value (verified as being in valid MBI format).
Unsuccessful	0^Error message

1.1.3.5 $$DELMBI^AUPNMBI: Delete MBI for a patient on a specific date

Type: Extrinsic Function

Format: $$DELMBI^AUPNMBI(PAT_IEN,EFF_DATE,MBI)

Table 1-9: Input parameters to retrieve existing MBI for a patient

Parameter	Description
PAT_IEN	Internal entry number (IEN) of patient's record in the PATIENT file (file #9000001).
EFF_DATE	MBI effective date to be deleted, in FileMan internal date format.
MBI	Medicare Beneficiary Identifier (MBI) value to be deleted.

Table 1-10: Returned values from retrieving existing MBI for a patient

Return Status	Returned Value Description
Successful	1
Unsuccessful	0^Error message

Glossary

API

Application Programming Interface; a set of software tools designed to support interaction with the host application/environment, which are externally published and presented for use by other software applications.

IEN

Internal Entry Number; corresponds to the record number which uniquely identifies an entry in a FileMan database.

MBI

Medicare Beneficiary Identifier; CMS-assigned identifier for Medicare recipients. May also be subject to use by other entities (Medicaid, Railroad Retirement, etc.).

Acronym List

Acronym	Meaning
API	Application Programming Interfaces
CHIP	Children's Health Initiative Program
CMS	Centers for Medicare and Medicaid Services
HICN	Health Insurance Claim Number
IEN	Internal Entry Number
IHS	Indian Health Service
MACRA	Medicare Access and CHIP Reauthorization
MBI	Medicare Beneficiary Identifier
PCC	Patient Care Component
RPMS	Resource and Patient Management System
SSN	Social Security Number

Contact Information

If you have any questions or comments regarding this distribution, please contact the OIT Help Desk (IHS).

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