



RESOURCE AND PATIENT MANAGEMENT SYSTEM

# **IHS RPMS Dictionaries (Pointers)**

(AUT)

## **Developer's Guide**

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## Preface

The Indian Health Service (IHS) Dictionaries (Pointers) package consists of the Data Dictionaries for all standard pointer files used by all other Resource and Patient Management System (RPMS) packages. The files are commonly known as “tables” of standard codes and their related descriptions and demographics, and if applicable, cross-references to other standard code tables.

## 1.0 Introduction

This patch contains additions and modifications to the IHS Standard table dictionaries. It also incorporates additions to the existing set of AUT\* utility routines and application programming interfaces (APIs).

### 1.1 Summary of Changes

#### 1.1.1 Files / Data Dictionaries

This patch introduces modifications to the following files:

##### 1.1.1.1 Sexual Orientation

File #: 9999999.103

Stored in: ^AUTTSO(

Table 1-1: Sexual Orientation fields, field numbers, and details

Field #	Field Name	Subscript	Piece	Type
.01	SEXUAL ORIENTATION	D0,0	1	F
1	CODE	D0,0	2	F
2	SNOMED CODE	D0,0	3	F
10	INACTIVE FLAG	D0,1	1	S
11	INACTIVE DATE	D0,1	2	D

##### 1.1.1.2 Gender Identity

File #: 9999999.104

Stored in: ^AUTTGI(

Table 1-2: Gender Identity fields, field numbers, and details

Field #	Field Name	Subscript	Piece	Type
.01	GENDER IDENTITY	D0,0	1	F
1	CODE	D0,0	2	F
2	SNOMED CODE	D0,0	3	F
3	GENDER MARKER	D0,0	4	F
10	INACTIVE FLAG	D0,1	1	S
11	INACTIVE DATE	D0,1	2	D

**1.1.1.3 Pronouns**

File #: 9999999.105

Stored in: ^AUTTPRN(

Table 1-3: Pronouns fields, field numbers, and details

Field #	Field Name	Subscript	Piece	Type
.01	PRONOUNS	D0,0	1	F
1	CODE	D0,0	2	F
4	BRIEF DISPLAY			C
5	EXPANDED DISPLAY			C
9.1	SUBJECT	D0,.9	1	F
9.2	OBJECT	D0,.9	2	F
9.3	SUBJECT POSSESSIVE	D0,.9	3	F
9.4	OBJECT POSSESSIVE	D0,.9	4	F
9.5	REFLEXIVE	D0,.9	5	F
10	INACTIVE FLAG	D0,1	1	S
11	INACTIVE DATE	D0,1	2	D

**1.1.1.4 Implantable Device Categories**

File #: 9999999.106

Stored in: ^AUTTIMDC(

Table 1-4: Implantable Device fields and details

Field #	Field Name	Subscript	Piece	Type
.01	CATEGORY NAME	D0,0	1	F
.02	STATUS	D0,0	2	S
.03	CODE	D0,0	3	F
.04	DTS SUBSET NAME	D0,0	4	F
1	UPPERCASE CATEGORY NAME	D0,1	1	F

**1.1.2 Cross-References****1.1.2.1 Sexual Orientation**

File #: 9999999.103

Sexual Orientation (.01)

B REGULAR

S ^AUTTSO("B",\$E(X,1,30),DA)=""

K ^AUTTSO("B",\$E(X,1,30),DA)

Code (1)

C REGULAR

S ^AUTTSO("C",\$E(X,1,30),DA)=""

K ^AUTTSO("C",\$E(X,1,30),DA)

### 1.1.2.2 Gender Identity

File #: 9999999.104

Gender Identity (.01)

B REGULAR

S ^AUTTGI("B",\$E(X,1,30),DA)=""

K ^AUTTGI("B",\$E(X,1,30),DA)

Code (1)

C REGULAR

S ^AUTTGI("C",\$E(X,1,30),DA)=""

K ^AUTTGI("C",\$E(X,1,30),DA)

### 1.1.2.3 Pronouns

File #: 9999999.105

Pronouns (.01)

B REGULAR

S ^AUTTPRN("B",\$E(X,1,30),DA)=""

K ^AUTTPRN("B",\$E(X,1,30),DA)

Code (1)

C REGULAR

S ^AUTTPRN("C",\$E(X,1,30),DA)=""

K ^AUTTPRN("C",\$E(X,1,30),DA)

### 1.1.2.4 Implantable Device Categories

File #: 9999999.106

Category Name (.01)

B REGULAR

S ^AUTTIMDC("B",SE(X,1,30),DA)=""

K ^AUTTIMDC("B",SE(X,1,30),DA)

Uppercase Category Name (1)

C REGULAR

S ^AUTTIMDC("C",SE(X,1,30),DA)=""

K ^AUTTIMDC("C",SE(X,1,30),DA)

### 1.1.3 File Content

#### 1.1.3.1 Sexual Orientation

Table 1-5: Sexual orientation codes

#	Sexual Orientation	Code	SNOMED Code
1	STRAIGHT / HETEROSEXUAL	HET	20430005
2	LESBIAN / GAY / HOMOSEXUAL	LGH	38628009
3	BISEXUAL	BI	42035005
4	SOMETHING ELSE	OTH	OTH
5	DO NOT KNOW	UNK	UNK
6	DECLINED TO ANSWER	ASKU	ASKU

#### 1.1.3.2 Gender Identity

Table 1-6: Gender identity codes

#	Gender Identity	Code	SNOMED Code	Gender Marker
1	IDENTIFIES AS MALE	M	446151000124109	M
2	IDENTIFIES AS FEMALE	F	446141000124107	F
3	TRANSGENDER MALE	FTM	407377005	M
4	TRANSGENDER FEMALE	MTF	407376001	F
5	NONCONFORMING GENDER	NCG	446131000124102	N
6	OTHER	OTH	OTH	N
7	DECLINED TO ANSWER	ASKU	ASKU	

#	Gender Identity	Code	SNOMED Code	Gender Marker
8	DO NOT KNOW	UNK	UNK	

### 1.1.3.3 Pronouns

Table 1-7: Pronouns – codes and field numbers

#	Pronouns	Code	Fields #9.1-#9.5
1	MASCULINE	M	HE,HIM,HIS,HIS,HIMSELF
2	FEMININE	F	SHE,HER,HER,HERS,HERSELF
3	NEUTRAL	N	THEY,THEM,THEIR,THEIRS,THEMSELVES
4	NE	NE	NE,NEM,NIR,NIRS,NEMSELF
5	VE	VE	VE,VER,VIS,VIS,VERSELF
6	SPIVAK	EY	EY,EM,EIR,EIRS,EMSELF
7	ZE-HIR	HIR	ZE,HIR,HIR,HIRS,HIRSELF
8	ZE-ZIR	ZIR	ZE,ZIR,ZIR,ZIRS,ZIRSELF
9	XE	XE	XE,XEM,XYR,XYRS,XEMSELF
10	OTHER	OTH	
11	DO NOT KNOW	UNK	
12	DECLINED TO ANSWER	ASKU	

### 1.1.3.4 Implantable Device Categories

Table 1-8: Implantable device codes and subset names

#	Category Name	Code	DTS Subset Name
1	CNS		IMDV CNS
2	HEENT		IMDV HEENT
3	Cardiovascular		IMDV Cardiovascular
4	Orthopedic (upper)		IMDV Orthopedic - upper
5	Orthopedic (lower)		IMDV Orthopedic - lower
6	General Surgical		IMDV General Surgical
7	Contraceptive/GYN		IMDV Contraceptive-GYN
8	Urologic/Renal		IMDV Urologic-Renal
9	Reconstructive/Cosmetic		IMDV Reconstructive-Cosmetic
10	Dental		IMDV Dental



## 1.1.4 Routines

This patch adds the following routine to the AUT routine set:

- **AUTSOGI**: Sexual Orientation/Gender Identity/Pronouns related functions

## 2.0 Application Programming Interfaces (APIs)

This patch adds the following APIs to the AUT application.

### 2.1 Retrieval and Transform APIs

#### 2.1.1 \$\$\$SO^AUTOGI: Returns Specific Field Values for Records in the Sexual Orientation File

Type: Extrinsic Function

Format: \$\$\$SO^AUTSOGI(REC,VAL)

This API searches for a record in the **Sexual Orientation** file and returns a specific field value when found. If the record is not found, an empty string is returned.

The search value can be the record IEN, Sexual Orientation (#.01), or Code (#1).

The return value can be the record IEN, Sexual Orientation (#.01), Code (#1), or SNOMED Code (#2).

Table 2-1 Input parameters of \$\$\$SO^AUTSOGI

Parameter	Description
REC	Search value can be in internal format (IEN), external format (#.01 field), or code format (#1) from the Sexual Orientation file (#9999999.103).
VAL	Desired return value. Corresponds to a set of codes: E (default) = Sexual Orientation field (#.01) I = Record IEN C = Code field (#1) S = SNOMED Code field (#2)

Table 2-2 Returned values of \$\$\$SO^AUTSOGI

Return Status	Returned Value Description
Successful	Dependent upon VAL input parameter specification: ENTRY is the found record in the Sexual Orientation file (#9999999.103). This value changes with the VAL parameter.
Unsuccessful	"" Empty string

Table 2-3 Output of \$\$\$SO^AUTSOGI

VAL	Returned Value
E	ENTRY (FileMan external format)
I	ENTRY (FileMan internal format)

VAL	Returned Value
C	ENTRY (Sexual Orientation Code value)
S	ENTRY (Sexual Orientation SNOMED Code value)

### 2.1.2 \$\$GI^AUTSOGI: Returns Specific Field Values for Records in the Gender Identity File

Type: Extrinsic Function

Format: **\$\$GI^AUTSOGI(REC,VAL)**

This API searches for a record in the Gender Identity file and returns a specific field value when found. If the record is not found, an empty string is returned.

The search value can be the record IEN, Gender Identity (#.01) or Code (#1).

The return value can be the record IEN, Gender Identity (#.01), Code (#1), SNOMED Code (#2), or Gender Marker (#3).

Table 2-4 Input parameters of \$\$GI^AUTSOGI

Parameter	Description
REC	Search value can be in internal format (IEN), external format (#.01 field), or code format (#1) from the Gender Identity file (#9999999.104).
VAL	Desired return value. Corresponds to a set of codes: E (default) = Gender Identity field (#.01) I = Record IEN C = Code field (#1) S = SNOMED Code field (#2) M = Gender Marker field (#3)

Table 2-5 Returned values of \$\$GI^AUTSOGI

Return Status	Returned Value Description
Successful	Dependent upon VAL input parameter specification: ENTRY is the found record in the Gender Identity file (#9999999.104). This value changes with the VAL parameter.
Unsuccessful	"" Empty string

Table 2-6 Output of \$\$GI^AUTSOGI

VAL	Returned Value
E	ENTRY (FileMan external format)
I	ENTRY (FileMan internal format)
C	ENTRY (Gender Identity Code value)

VAL	Returned Value
S	ENTRY (Gender Identity SNOMED Code value)
M	ENTRY (Gender Identity Gender Marker value)

### 2.1.3 \$\$PN^AUTSOGI: Returns Specific Field Values for Records in the Pronouns File

Type: Extrinsic Function

Format: \$\$PN^AUTSOGI(REC,VAL)

This API searches for a record in the **Pronouns** file and returns a specific field value when found. If the record is not found, an empty string is returned.

The search value can be the record IEN, Pronouns (#.01) or Code (#1).

The return value can be the record IEN, Pronouns (#.01), Code (#1), Brief Display (#4), or Expanded Display (#5).

Table 2-7 Input parameters of \$\$PN^AUTSOGI

Parameter	Description
REC	Search value can be in internal format (IEN), external format (#.01 field), or code format (#1) from the Pronouns file (#9999999.105).
VAL	Desired return value. Corresponds to a set of codes: E (default) = Pronouns field (#.01) I = Record IEN C = Code field (#1) B = Brief Display field (#4) D = Expanded Display field (#5)

Table 2-8 Returned values of \$\$PN^AUTSOGI

Return Status	Returned Value Description
Successful	Dependent upon VAL input parameter specification: ENTRY is the found record in the Pronouns file (#9999999.105). This value changes with the VAL parameter.
Unsuccessful	"" Empty string

Table 2-9 Output of \$\$PN^AUTSOGI

VAL	Returned Value
E	ENTRY (FileMan external format)
I	ENTRY (FileMan internal format)
C	ENTRY (Pronouns Code value)

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<b>VAL</b>	<b>Returned Value</b>
B	ENTRY (Pronouns Brief Display value)
D	ENTRY (Pronouns Expanded Display value)

## 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.

## Acronym List

Acronym	Meaning
API	Application Programming Interfaces
IEN	Internal Entry Number
IHS	Indian Health Service
RPMS	Resource and Patient Management System

## Contact Information

If you have any questions or comments regarding this distribution, please contact the IHS IT Service Desk.

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