



RESOURCE AND PATIENT MANAGEMENT SYSTEM

Patient Registration

(AG)

Installation Guide and Release Notes

Version 7.1 Patch 11
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Preface

This document describes the changes and enhancements in version 7.1 Patch 11 of the RPMS Patient Registration (AG) application. It also describes the installation and post-installation configuration of the patch.

1.0 Release Notes

This patch adds the following functionality:

1.1 MU2 Requirement: Allow 'Unknown' Patient Sex

Patient's Sex may now be set to 'Unknown'. This also applies to the Patient's Eligibility. Users will be prompted to confirm the change to 'Unknown', and a new Warning (#054) displays on Page 1. The display has been modified on certain reports/screens to account for this change. Modifying the Patient Sex field in Patient Registration will now update the relevant Eligibility entries. As part of the post-installation, this patch will populate existing patient-specific Eligibility entries with the patient's sex.

Potential impact on the Lab package is detailed in Section 4.0 of these Release Notes.

The following API has been included: SEXELIG^AGUTL(DFN).

1.2 MU2 Requirement: Allow multiple Patient Race entries

Patient's Race may now have multiple entries. The following two entries are considered "exclusive" and cannot be used with other Races:

- **DECLINED TO ANSWER**
- **UNKNOWN BY PATIENT**

If the patient's list of Races contains an "exclusive" entry and any other Race, the user will be prompted for correction. Similar to Ethnicity, the user will be prompted for a Method of Collection (defaults to **SELF IDENTIFICATION**). The display has been modified on certain reports/screens to account for this change. Additionally, a new section appears on the Face Sheet when more than one race has been indicated for the patient.

The following API has been included: RACE^AGUTL(DFN).

1.3 MU2 Requirement: Allow DECLINED TO ANSWER for Patient Language

When **DECLINED TO ANSWER** is indicated for a patient's Primary Language, the user will not be prompted for **Other Languages** and the **Preferred Language** will also be set to **DECLINED TO ANSWER**.

1.4 MU2 Requirement: Preferred Method of Communication

The **Patient's Preferred Method** field has been updated. The prompt on page 10 now displays: **WHAT IS YOUR PREFERRED METHOD OF COMMUNICATIONS?** The **M MAIL** entry is replaced with **L LETTER**, and a new option **D DO NOT NOTIFY** has been added. The Face Sheet has been modified to account for the longer entry.

The following API has been updated: PMETH^AGAPIPAT.

1.5 MU2 Requirement: Personal Health Record Access

Patient Registration may now record and update the status of a patient's access to their Personal Health Record. Each entry will contain a date and a status (either **Yes** or **No**). Multiple date entries are allowed but each date may only have one status. Entry/display of this field has been added to page 10. The most recent entry will display by default, while selecting the field allows all entries to display.

Entry to this field may also be performed in the new menu option:

PHR Update patient's Personal Health Record Access [AGPHR].

This menu option is locked with the following security key:

- Locked with AGZPHROPT.

1.6 MU2 Requirement: Personal Health Record Handout

Patient Registration can now record when users give the patient a Personal Health Record Handout. Each entry will contain the date that the patient received a handout. Multiple date entries are allowed but each date may only have one response.

Entry/display of this field has been added to page 10. The most recent entry will display by default, while selecting the field allows all entries to display.

1.7 Additional Overall Status options for Benefit Coordination

The **Overall Status** field in the **Patient's Benefit Coordination** page is updated. Two new entries have been added: **O OVER INCOME** and **S SCREENING ONLY**. The Benefit Coordinator Productivity Report (BCP) has been updated to account for these new entries.

1.8 Print IHS Eligibility Letter [AGACA PRINT]

This menu option allows printing of an Affordable Care Act (ACA) Eligibility Letter to be used by patients seeking to document eligibility for Indian Health Service (IHS) services. Details on which patients are eligible, along with specific instructions on how to set up and use this menu are included in these Release Notes and the User Guide Addendum.

This menu option is locked with the following security key:

- Locked with AGZACA PRINT

1.9 Verify IHS Eligibility Letter [AGACA VERIFY]

This menu option allows the verification of the 21 digit (or longer) unique identifier printed at the bottom of each letter. The user will input the code provided by an entity seeking verification of the letter, and thereby determine the authenticity of the letter. Specific instructions on how to set up and use this menu are included in these Release Notes and the User Guide Addendum.

This menu option is locked with the following security key:

- Locked with AGZACA VERIFY

1.10 Added security key: AGZACA SIGN

This key needs to be assigned to one and only one user, typically the Service Unit Director (SUD) or Chief Executive Officer (CEO) of the facility, whose name will appear as the author of the printed IHS Eligibility letters. Specific instructions on how to setup/use this security key are included in these Release Notes and the User Guide Addendum.

1.11 Incoming file: AG ACA LOG FILE (#9009063.5)

The AG ACA LOG file will be used to track/audit/verify all IHS Eligibility Letters printed by the site. This file will be view-only, preventing additions, modifications, and deletions by the user.

1.12 Functionality Updates

This patch UPDATES the following functionality:

- HEAT65494 – Allow display of deleted Guarantor entries on FAUD report.
- HEAT59428 – Removed site-specific lookup on Insurers.
- NOHEAT – Removed extra display of Patients when running the >64 report.
- NOHEAT – Display entire Corrective Action field in ERP report.

- NOHEAT – Correction to AGE report when selecting only one exclusion parameter.

2.0 Installation Notes

Prefix: AG

Current Version: 7.1 Patch 11

2.1 Contents of Distribution

File	Description
ag__0710.11k	KIDS file
ag__0710.11n	Notes file
ag__0710.11i.pdf	Installation Guide and Release Notes
ag__0710.11o.pdf	User Guide Addendum

2.2 Required Resources

- Kernel v8.0
- FM v22.0
- AG v7.1 p10
- AVA v93.2 p22 or higher
- AUPN v99.1 p23 or higher

2.3 Before You Begin: Installation Issues

- Print all notes/readme files.
- It is recommended that the terminal output during the installation be captured using an auxport printer attached to the terminal at which you are performing the software installation. This will ensure a printed audit trail if any problems should arise.
- This is RPMS Patient Registration Version 7.1 Patch 11.
- Additionally, this patch contains the changes that were released in ZAG*7.1*11. There is no impact to sites that have already installed the ZAG patch. Sites that have not yet installed ZAG*7.1*11 do not need to do so after installing this patch.

3.0 Installation Instructions

1. Save all AG* routines as a backup.
2. Load the distribution into KIDS using option 1 on the Installation menu. The distribution was released in a file named ag__0710.11k.
3. Verify the load using option 2 on the Installation menu.
4. Consider using options 3 and 4 to print and compare the Transport.
5. Install the distribution using option 6 on the Installation menu.
6. Use **INSTALL NAME: AG MU2 7.1** to install this distribution.
7. For results, use the KIDS **Install File Print** option to view/print the **AG*7.1*11** entry.

4.0 Post Installation Information

See Section 5.0 of this document for post-installation instructions regarding the IHS Eligibility Letter.

Sites using the RPMS Lab package may be impacted by the addition of the 'Unknown' Patient Sex. There is a possibility of false alerts on Lab Tests for patients with an 'Unknown' Sex. The following is an explanation of the issue, example of correcting an entry, and description of searches that should be performed.

The Reference Ranges of Laboratory Tests are often predicated on knowing the sex of the patient. This "Sex" check is accomplished by using Mumps code in the range fields of the Laboratory Test (#60) file. The code is often written such that there is only 1 check for Sex ("M" or "F") and the second check is assumed to be the other Sex ("F" or "M").

For example, if a Reference Range for a Male is 32 and a Female is 28 for a specific test, then the Mumps code could be:

```
$S(SEX="M":32,1:28)
```

which means "If the Sex is 'M', return 32, otherwise return 28."

The assumption (which is what the 1: code accomplishes) is that if the Sex is not Male, then it is Female.

With the addition of "U", that is no longer a valid assumption. The code should be changed to:

```
$S(SEX="M":32,SEX="F":28,1:"")
```

There needs to be a FileMan Search on the Laboratory Test (#60) file's REFERENCE LOW, REFERENCE HIGH, CRITICAL LOW and CRITICAL HIGH fields to determine if any code uses the SEX variable. If it's not done and the code is not corrected, there is a possibility of false alerts.

5.0 AG IHS Eligibility Letter Setup

This section describes post-installation configuration for printing and verifying AG IHS Eligibility Letters.

5.1 Assign Print Security Key

Users that need access to the new **ACA Print IHS Eligibility Letter** menu option will need the following security keys assigned to their user profile.

Allocate the AGZACA PRINT security key:

```
Select Key Management Option: AKEY Allocation of Security Keys
Allocate key: AGZACA PRINT
```

5.2 Assign Verify Security Key

Users that need access to the new **ACAV Verify IHS Eligibility Letter** menu option will need the following security keys assigned to their user profile.

Allocate the AGZACA VERIFY security key:

```
Select Key Management Option: AKEY Allocation of Security Keys
Allocate key: AGZACA VERIFY
```

5.3 Assign the Signature Security Key

The AGZACA SIGN security key is assigned to the authoritative person whose name will appear as the author of the AG IHS Eligibility Letter. Usually this will be the facility CEO or SUD. This key should be assigned to one user and one user only. (If necessary, create a user for this.) The name of this user will be printed below the signature line as an additional level of verification.

The title field for the chosen user should be populated. This title will appear alongside the name of the user on all AG IHS Eligibility Letters generated by this update.

```
Select IHS Kernel Option: USER Management
Select User Management Option: EDIT an Existing User
Select NEW PERSON NAME: ADMIN,SYSTEM CEO
                                Edit an Existing User
NAME: ADMIN,SYSTEM Page 1 of 5
-----
NAME... ADMIN,SYSTEM INITIAL:
TITLE: CEO NICK NAME:
```

1. Verify that no other users have been assigned the AGZACA SIGN key:

```
Select Key Management Option: LIST users holding a certain key

Which key? AGZACA SIGN

There are no holders of this key.

Press RETURN to continue...
```

2. Assign the AGZACA SIGN key to the user whose name will appear on the AG IHS Eligibility Letters:

```
Select Key Management Option: AKEY Allocation of Security Keys

Allocate key: AGZACA SIGN

Another key:

Holder of key: ADMIN,SYSTEM                                CEO

Another holder:

You've selected the following keys:

AGZACA SIGN

You've selected the following holders:

ADMIN,SYSTEM

You are allocating keys. Do you wish to proceed? YES//

AGZACA SIGN being assigned to:
ADMIN,SYSTEM
```

5.4 Populate the Phone Number Field in the Location File

The contact number printed in the AG IHS Eligibility Letter will be used to verify the authenticity of each letter printed by the Facility. For this reason, it is necessary to ensure the phone number associated with your location is correct and included in the Location file:

```
Select VA FileMan Option: ENTER or Edit File Entries

INPUT TO WHAT FILE: LOCATION//
EDIT WHICH FIELD: ALL// PHONE
THEN EDIT FIELD:

Select LOCATION NAME: DEMO HOSPITAL          DEMO AREA          DEMO SU          01
                      NM HOSPITAL 9999

...OK? Yes// (Yes)

PHONE: 555-123-4567//
```

5.5 Printer Set Up for IHS/Facility Letterhead

The AG IHS Eligibility Letter is to be printed on IHS letterhead, or the appropriate official letterhead for your facility. Ensure that such a printer is set up at your facility and clearly identified to the users.

6.0 Routine Summary List

6.1 Routine Summary

Checksums shown are NEW Checksums.

The following routines are included in this patch. The second line of each of these routines now looks like:

```
;;7.1;PATIENT REGISTRATION;**[Patch List]**;AUG 25, 2005;
```

Table 6-1: Checksums

Routine	Old	New	Patch List
AG2A	n/a	20469315	**2,8,11**
AG4	n/a	36979329	**1,2,11**
AG6	n/a	39029945	**1,2,11**
AG71A11	n/a	10125001	**11**
AGACAL	n/a	37047644	**11**
AGACALV	n/a	35614435	**11**
AGAGERP1	n/a	184512445	**8,9,11**
AGAPIPAT	n/a	62946539	**2,9,11**
AGBENPRD	n/a	35359925	**2,4,7,11**
AGBIC1B	n/a	13866044	**11**
AGCARD	n/a	25068871	**4,11**
AGDATCK	n/a	9238225	**11**
AGED10A	n/a	156272767	**7,8,9,10,11**
AGED10B	n/a	137914570	**7,8,9,10,11**
AGED4A	n/a	120321337	**1,2,7,11**
AGED4PD	n/a	136671218	**1,2,11**
AGED6PD	n/a	136210384	**1,2,11**
AGEDERR2	n/a	81661599	**2,7,9,11**
AGEDERR4	n/a	26794706	**8,9,11**
AGEDMCD	n/a	136910598	**1,2,11**
AGEDPRV	n/a	179752284	**1,2,3,8,11**
AGELA	n/a	24021641	**11**
AGERRAU1	n/a	9424892	**11**

Routine	Old	New	Patch List
AGERRAUD	n/a	143634469	**1,2,3,11**
AGFACE	n/a	46162994	**1,2,4,5,7,9,11**
AGFACE1	n/a	11716111	**11**
AGINS	n/a	164123881	**1,2,3,11**
AGNDXP	n/a	12347681	**4,11**
AGOV64	n/a	29509721	**2,4,9,11**
AGPHROPT	n/a	4946671	**11**
AGUTL	n/a	4677275	**11**

Appendix A: Configuring Printer Settings for IHS Letterhead

A.1 Terminal Type Setup

Create a new terminal type entry or use an existing terminal type with changes to the following fields. The terminal type will be used in the SUBTYPE field in the DEVICE file.

In the following example a new terminal type was created called "P-IHSLTRHD".

```
Select TERMINAL TYPE NAME:      P-IHSLTRHD      LASER PRINTER IHS LETTERHEAD

NUMBER: 164                      NAME: P-IHSLTRHD
RIGHT MARGIN: 80                  FORM FEED: $C(12,13)
PAGE LENGTH: 60                   BACK SPACE: $C(8)
OPEN EXECUTE: H 1 W *27,"&l10E",*27,"&a10L",*27
CLOSE EXECUTE: W *27,"E"
DESCRIPTION: LASER PRINTER IHS LETTERHEAD
```

Note: The OPEN EXECUTE field defines how text is printed using PCL commands. The commands for your specific printer may vary.

A.1.1 Top Margin

The top margin setting designates number of lines between the top of the logical page and the top of text area.

```
? & l # E
```

= Number of lines

This command defines a top margin of 10 lines:

```
OPEN EXECUTE: H 1 W *27,"&l10E",*27,"&a10L",*27
```

A.1.2 Left Margin

This command sets the left margin to the left edge of the specified column:

```
? & a # L
```

= Column number

This command defines a left margin of 10 columns:


```
OPEN EXECUTE: H 1 W *27,"&l10E",*27,"&a10L",*27
```

A.2 Device File Examples

The following examples show a typical device setup for both Windows and AIX systems.

A.2.1 Windows Systems

```
NUMBER: 430                      NAME: OITPTR
$I: |PRN|OITPTR                 ASK DEVICE: YES
ASK PARAMETERS: YES             VOLUME SET(CPU): OIT
SIGN-ON/SYSTEM DEVICE: NO      LOCATION OF TERMINAL: OITHQ
SUPPRESS FORM FEED AT CLOSE: YES OPEN COUNT: 30
SUBTYPE: P-IHSLTRHD            TYPE: TERMINAL
```

A.2.2 AIX Systems

```
NUMBER: 436                      NAME: OITPTR
$I: lp -doitptr                 ASK DEVICE: YES
ASK PARAMETERS: NO              VOLUME SET(CPU): EBCI
LOCATION OF TERMINAL: OITHQ       SUPPRESS FORM FEED AT CLOSE: YES
OPEN COUNT: 25                  OPEN PARAMETERS: "QW"
SUBTYPE: P-IHSLTRHD            TYPE: TERMINAL
```

Glossary

Affordable Care Act

The Patient Protection and Affordable Care Act provides more accessible and affordable health care for many Americans. The ACA also requires that all non-exempt individuals must enroll in minimum essential (health benefits) coverage or pay the individual shared responsibility payment.

Meaningful Use

A new health initiative project assigned to the Office of the National Coordinator (ONC) and the Centers for Medicare and Medicaid Services (CMS). The ONC is creating criteria for what an electronic health record (EHR) should be able to do. CMS is creating guidelines EHR uses in the health care system.

Acronym List

ACA	Affordable Care Act
CEO	Chief Executive Officer
CMS	Centers for Medicare and Medicaid Services
EHR	Electronic Health Record
IHS	Indian Health Service
MU2	Meaningful Use Stage 2
ONC	Office of the National Coordinator
RPMS	Resource and Patient Management System
SUD	Service Unit Director

Contact Information

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

Phone: (888) 830-7280 (toll free)

Web: <http://www.ihs.gov/helpdesk/>

Email: support@ihs.gov