

User Release Notes

for RADNET rRIS

Version 1.0

Build 27

Table of Contents

1. Purpose..... 3
2. Intended Audience 3
3. Installing/Accessing the Application 3
4. New Features and Enhancements 4
 Advanced Beneficiary Notice (ABN) Flag..... 4
 Outside Read Sites Insurance Required..... 6
 Clinical Decision Support – MU Requirement 170.304.e 8
 Lab Results – MU Requirement 170.306.g 10
 Drug to Drug Allergy and Drug Formulary – MU Requirements 170.302(a)(b) 12
5. Resolved Defects 13
6. Known Limitations 14

1. Purpose

This document describes some of the new features and changes implemented in rRIS as of the end of Sprint 27. This version of rRIS is referred to as Build 1.27.

Only features which can be visually demonstrated to the user will be outlined in this document.

2. Intended Audience

This document is created by the rRIS Development team for the RadNet RIS management team.

3. Installing/Accessing the Application

The installation guide for the rRIS client have been posted to the RadNet Wiki page at <http://mdbal01rdtweb/Wiki/>

Under the RIS menu, click on the rRIS page. The credentials to access the page are:

Username: rRIS

Password: Summerside

Please note that Build 1.27 is considered a new core release of the application and will require a reinstallation of rRIS. This is accomplished by navigating to the rRIS shared installation drive and running the CoreInstall.bat file (ex: I:\RISDeployment\CoreInstall.bat)

If you experience difficulties accessing the application, please do not hesitate to contact Darcy Noye with the PEI RIS Development Team.

4. New Features and Enhancements

Advanced Beneficiary Notice (ABN) Flag

In build 27 the ability to mark patient studies with ABN flag has been added. A drop down list box was added to the billing code information data pane. During Registration, the ABN list box is adjacent to the procedure picker row.

Available options

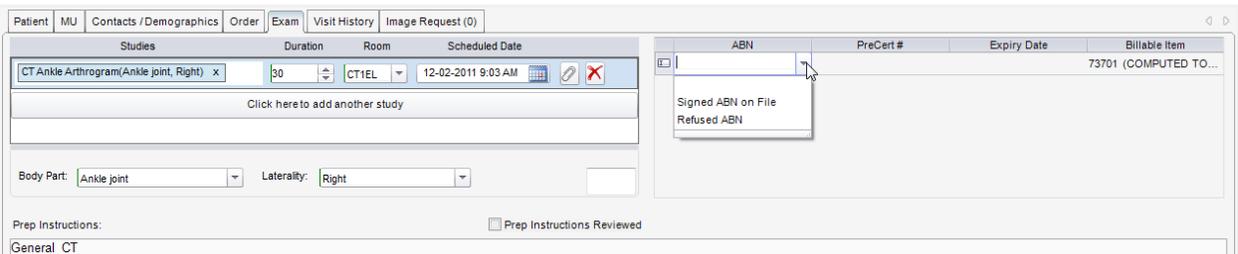


Figure 4.1 – ABN list box displayed from the Registration window.

The ABN flag is also available to Technologists from Perform Exam window.

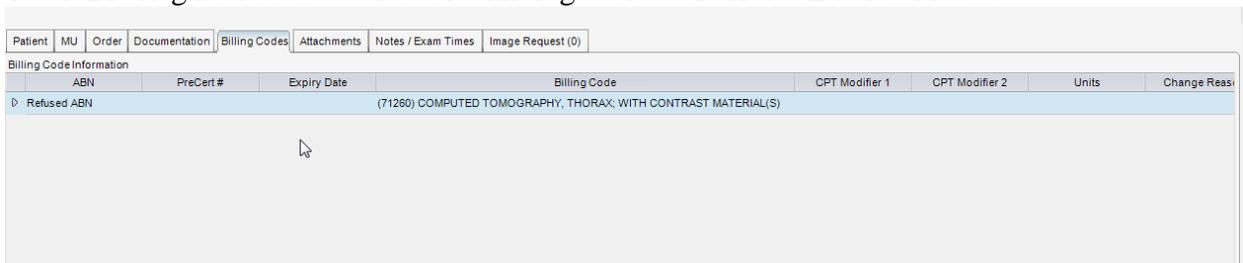


Figure 4.2 – ABN list box from Perform Exam window.

Lastly the ABN flag is available in the IVT data window.

RADNET, Inc. – rRIS Pre-Release Notes

Patient | Insurance Verification PreCert | Attachments

Insurance Policies

Note	Carrier Code	Carrier Name	Policy Number	Group Name	Group Number	Phone	Priority
------	--------------	--------------	---------------	------------	--------------	-------	----------

Manage Policies

Verification REQUIRED Insurance verified Amount to collect:

Verification and PreCert Notes

12-02-11 dtn -

Billing Code Information

ABN	PreCert #	Expiry Date	Billing Code	PreCert Status
<input type="text" value=""/>			(73701) COMPUTED TOMOGRAPHY, LOWER EXTREMITY; WITH CONTRAST MATERIAL(S)	Not Required

Show inactive CPT codes

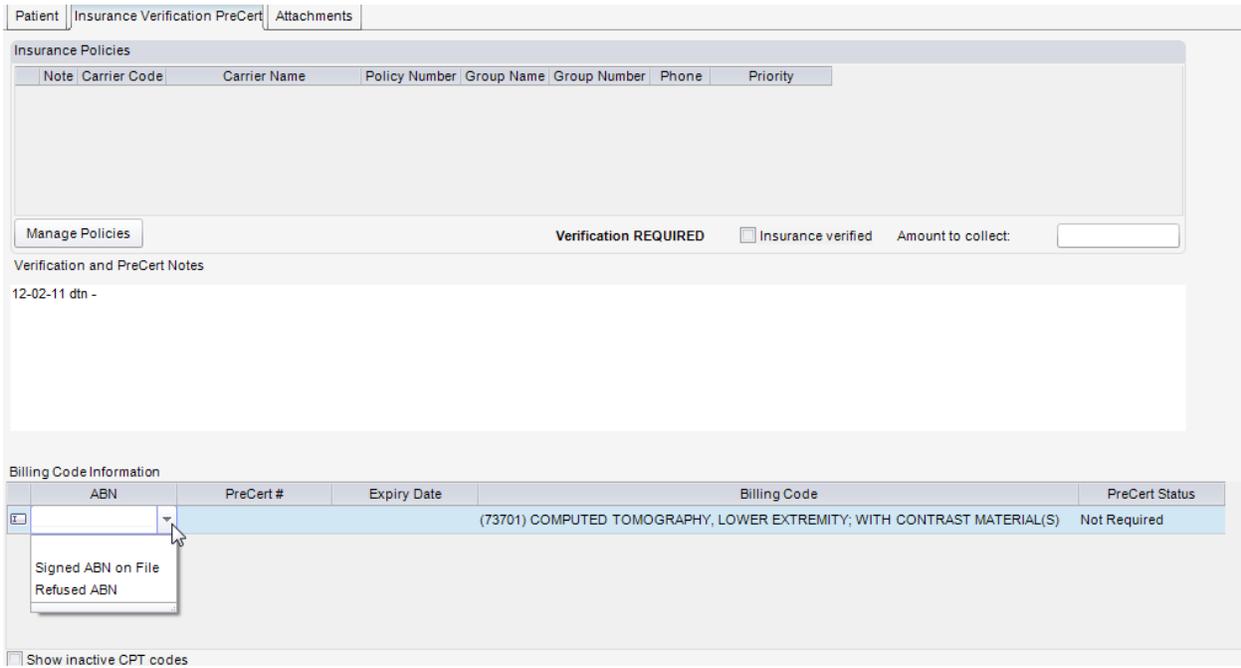
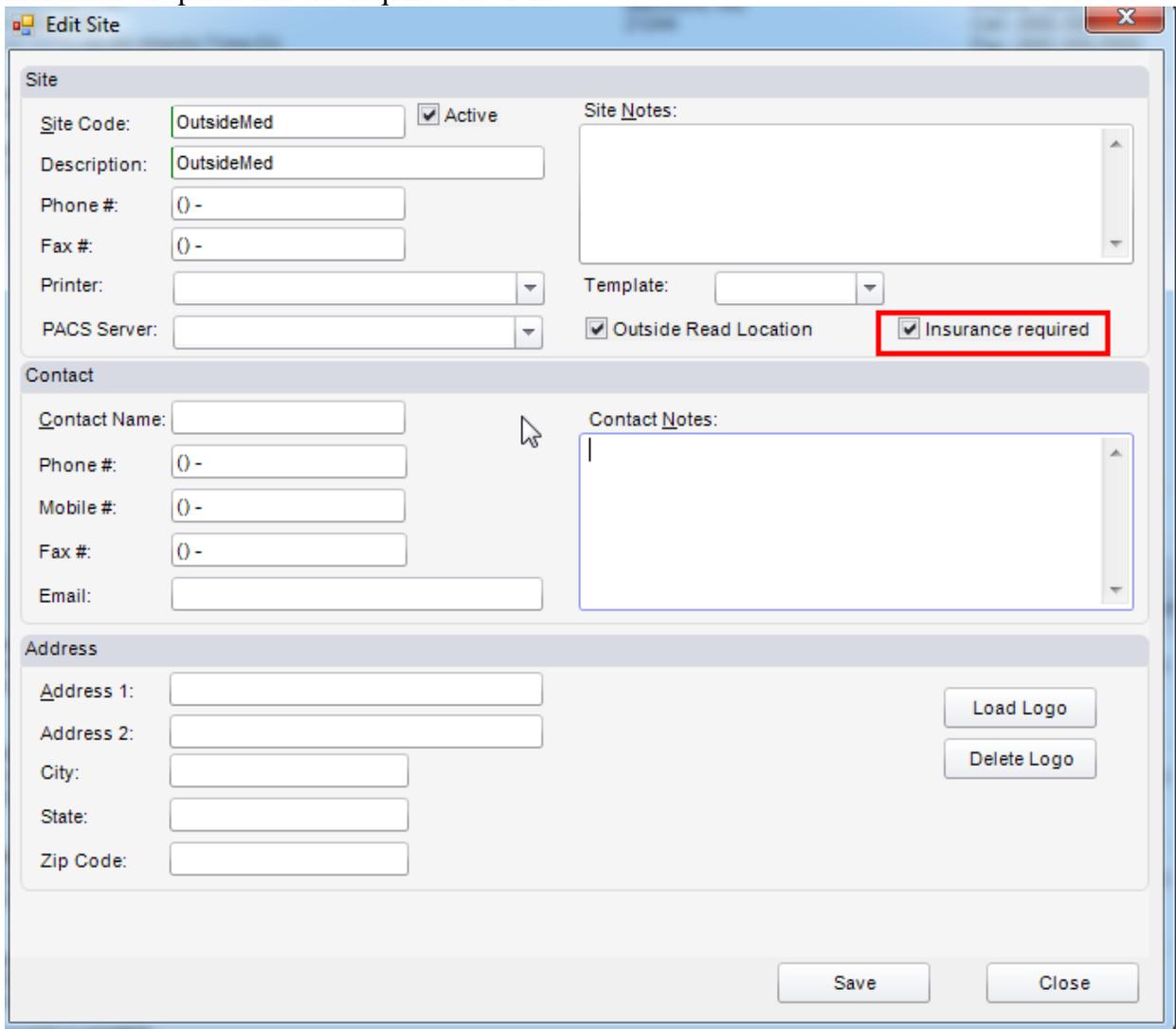


Figure 4.3 – ABN list box from IVT data window

Outside Read Sites Insurance Required

Insurance policies can now be specified for outside reads. At the site level, a flag was added to indicate if the particular site required insurance.



The screenshot shows a software window titled "Edit Site" with a tabbed interface. The "Site" tab is active and contains the following fields and controls:

- Site Code:** Text box containing "Outsidemed" and a checked **Active** checkbox.
- Description:** Text box containing "Outsidemed".
- Phone #:** Text box containing "() -".
- Fax #:** Text box containing "() -".
- Printer:** Dropdown menu.
- PACS Server:** Dropdown menu.
- Site Notes:** Large text area.
- Template:** Dropdown menu.
- Outside Read Location** checkbox.
- Insurance required** checkbox, which is highlighted with a red rectangular border.

The "Contact" tab is also visible and contains:

- Contact Name:** Text box.
- Phone #:** Text box containing "() -".
- Mobile #:** Text box containing "() -".
- Fax #:** Text box containing "() -".
- Email:** Text box.
- Contact Notes:** Large text area.

The "Address" tab is also visible and contains:

- Address 1:** Text box.
- Address 2:** Text box.
- City:** Text box.
- State:** Text box.
- Zip Code:** Text box.
- Buttons:** "Load Logo" and "Delete Logo" buttons.

At the bottom of the window are "Save" and "Close" buttons.

Figure 4.3 – Insurance Required flag at site level

When creating an Outside Read, once the site is selected for the order, the Insurance Policies data pane appears allowing the user to add a new or select a previous Insurance Policy.

Add Outside Read x

Patient | Order

Study(s): CT Chest W Abdomen W x

Body Part: Chest | Laterality: | Exam Date: 12-20-2011

Tech Notes:

Referring Details: Referring: Piled, Jerry T | Visited at: 123 MileHigh Dr., Mountain View, CO, 12345

Chief Complaint:

CC Physicians: | Visit Location for CC:

Performed Location: Practice: Advanced Radiology | Site: Outsidemed

Flags: STAT Read STAT Precert Outside Read

Order Notes: 12-02-11 dtn -

Insurance Policies

Note	Carrier Code	Carrier Name	Policy Number	Group Name	Group Number	Phone	Priority
------	--------------	--------------	---------------	------------	--------------	-------	----------

Manage Policies

Verification REQUIRED Insurance verified Amount to collect:

Figure 4.4 – Add Outside Read displaying Insurance Policies data pane

Outside reads that require insurance can also be added to the Billing Exception work list. If the outside read site does not have the “Insurance Required” flag, it will not be added to the Billing Exception work list.

Clinical Decision Support – MU Requirement 170.304.e

On the MU tab where medications are located a grid for lab results has been added under the grid there are buttons for adding and editing lab results. There is also a right click context menu for add/edit and delete. The delete warns the user asking them to confirm the delete.

The grid only shows the fields that are critical to the technician for example the lab's name and address information isn't critical to their decision making and is only available on the right click edit menu.

In the edit screen most fields are free text data entry. The main exception being the test name, which is combo box entry based on the LabTest lookup table. Only the active tests in the LabTest lookup are returned with the patient recorded for display in the UI. This is to limit bandwidth usage, to speed performance and make it easier for techs and rads to see the critical items they are concerned with. Note if we were to receive the values via an HL7 feed, the system would enter all test items but only the active tests would display and download to the clients. Later if a test is activated the history of all past retrievals for that test will be displayed. For the entry of a lab result the only required fields are the observation date which is the date the test was collected on in all cases where there is a specimen (such as blood work – according to the HL7 spec). The other required fields include observation_value and the name of the test aka lab_test_code.

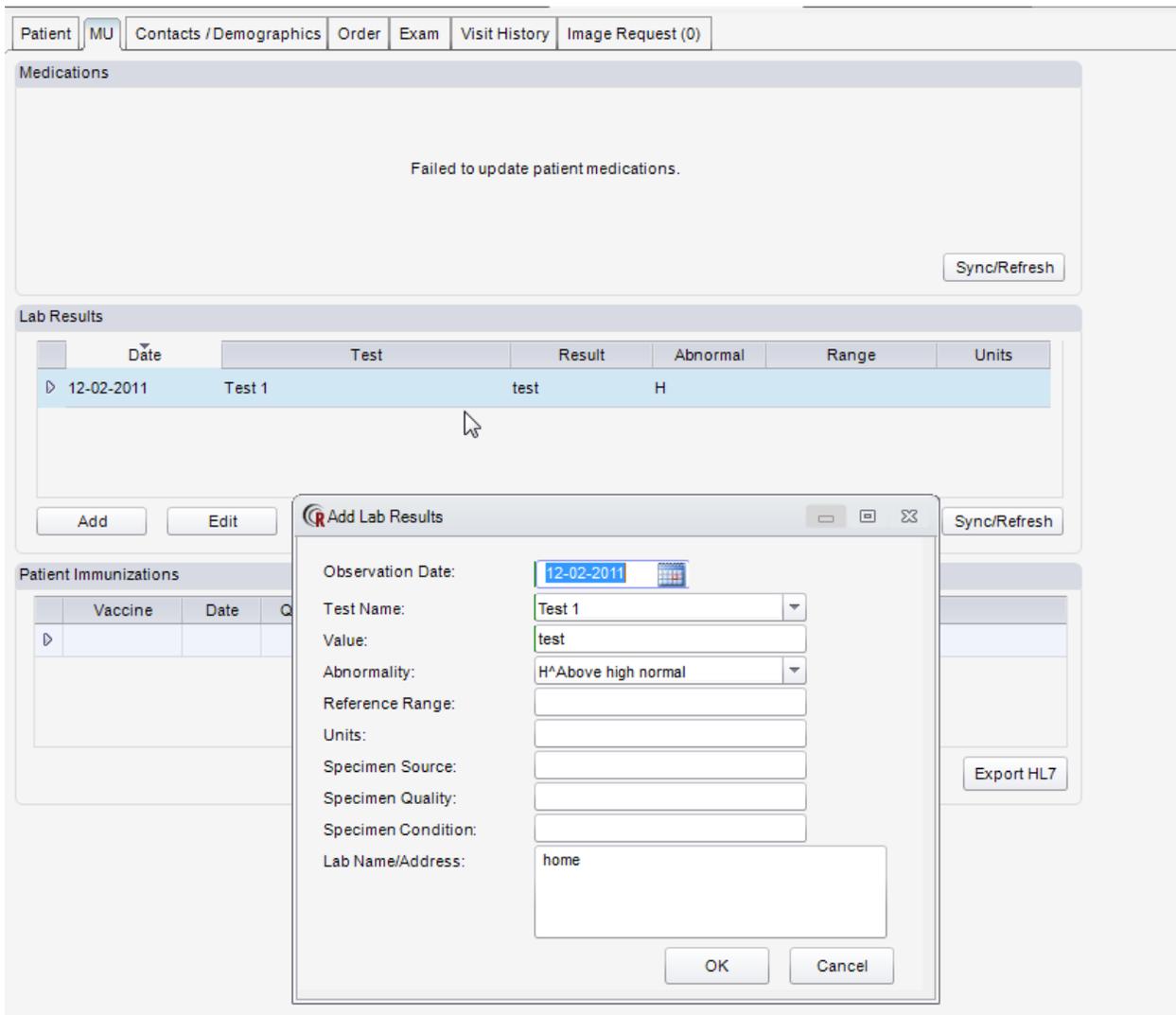


Figure 4.5 – Possible Alert Messages

Please note that this feature is incomplete. The sync refresh button does nothing at this time because NewCrop has not yet released WS methods for receiving lab results. HL7 portion of the solution still needs work if we are to receive lab results via HL7.

Lab Results – MU Requirement 170.306.g

The medications grid is located on the MU tab, next to the patient tab in most content screens. In addition to the auto sync feature the user can click on the “Refresh/Sync” button just below the grid. This refresh will query NewCrop on a separate thread as not to slow down or lockup the main workflow in the case where the intranet connection is unavailable, failing or slow.

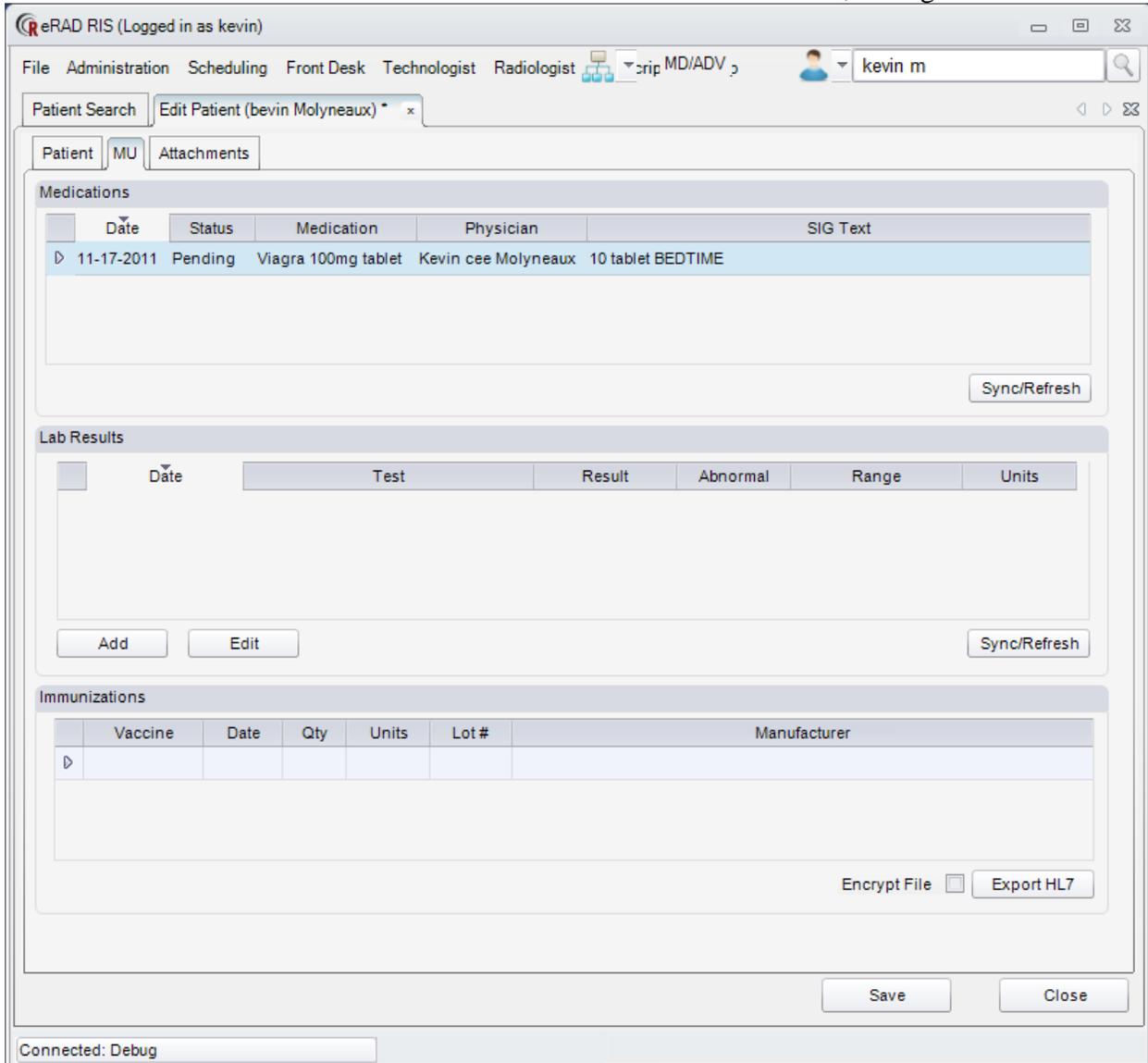


Figure 4.6 – Medication data pane on MU tab

A new system configuration setting “MUMedicationSyncFrequency” has also been created. After the sync is performed the patient.last_medication_sync is updated to reflect the change. The new medications (if any) and patient.last_medication_sync are stored when the user saves the screen. Saving the screen is guaranteed at key points in the workflow such as IVT verification, arrival, starting and completing studies.

Auto sync’s can be disabled by setting the “MUMedicationsSyncFrequency” to -1. A zero value would force an autosync every time they open a patient record. For example, a value such as 600 would force a check every 10 hours.

Drug to Drug Allergy and Drug Formulary – MU Requirements 170.302(a)(b)

A new button has been added on the Visit History tab in the Drug Allergies data pane. This button passes along the allergies entered in our grid to the New Crop application where the user will be responsible to add them to the patient within New Crop.

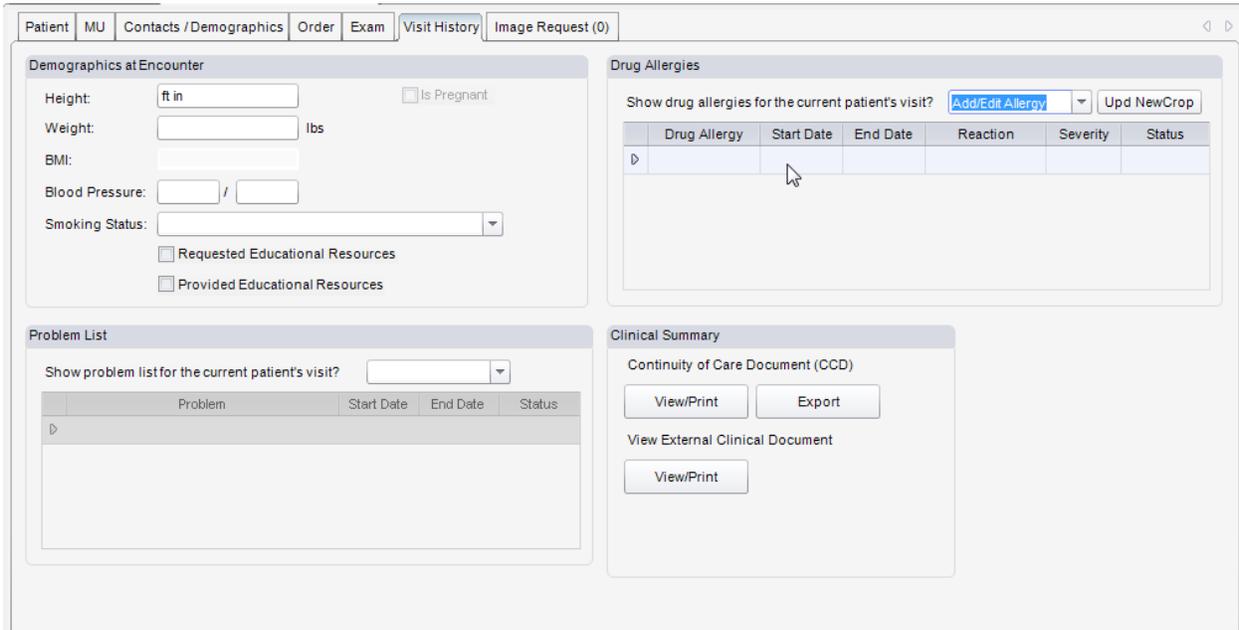


Figure 4.7 – Drug Allergies and Update NewCrop

5. Resolved Defects

Bugs, Suggested Features and Support Issues resolved in build 1.27. The extract is taken from Redmine bug tracking system and only displays defects resolved in 1.27.

#	Status	Tracker	Priority	Subject	Category	Target version	Resolved Version
701	Resolved	Bug	High	No way to turn off ChairService	Web Services/DB	1.27	1.27
706	Resolved	Bug	Normal	Patient injury not associated with visit	Thick Client GUI	1.26	1.27
699	Resolved	Bug	Normal	CarrierType - Issue with display order	Admin Tools	1.25	1.27
698	Resolved	Bug	Normal	Organization - Couple of issues when adding sites	Admin Tools	1.25	1.27
697	Resolved	Bug	Normal	Organization - Edit Region Popup	Admin Tools	1.25	1.27
695	Resolved	Bug	Normal	Management Report > Daily Schedule copay format issue	Mgt Reports	1.27	1.27
694	Resolved	Bug	Normal	Perform Exam data window mystery list box	Thick Client GUI	1.26	1.27
689	Resolved	Bug	Normal	Lookup table Unit of Measure > Measure type is case sensitive	Admin Tools	1.25	1.27
624	Resolved	Bug	Normal	Schedule exam, selecting time from Advance tab can make available times "jump"	Thick Client GUI	1.23	1.27

6. Known Limitations

The following are Bugs, Suggested Features, and Support Issues found in build 1.27. This build is the current QE build and testing is ongoing. The list may increase in size. This document will not be updated or re-released.

#	Status	Subject	Category	Target version
741	New	Add Outside Read - can save outside read without visit selected.	Thick Client GUI	1.27
738	Resolved	Create outside read without insurance policy will throw error from Billing Exception	Thick Client GUI	1.27
701	Resolved	No way to turn off ChairService	Web Services/DB	1.27
746	New	Logging off application will show message "rRIS is already running."	Thick Client GUI	1.27
744	Resolved	Errors in Edit Billing	Thick Client GUI	1.27
743	Resolved	Date selected from Date / Time Picker not accepted after removing composite code.	Thick Client GUI	1.27
740	Resolved	Outside Read - Edit billing does not show all the billing exceptions	Thick Client GUI	1.27
739	Resolved	Outside Read - Edit Billing from Billing Exception and Responsible Party is required	Thick Client GUI	1.27
736	Resolved	DB Version in help about is not updated	Web Services/DB	1.27
702	Closed	Document distribution is not configurable for queue name or poll time	Web Services/DB	1.27
695	Resolved	Management Report > Daily Schedule copay format issue	Mgt Reports	1.27