

User Pre-Release Notes

for RADNET rRIS

Build 1.12

Table of Contents

1. Purpose.....	3
2. Intended Audience	3
3. Installing/Accessing the Application	3
4. New Features and Enhancements	4
Automatic Form and Label Generation	4
Referring Physician Location	8
CC Physicians	9
Patient Search without Birth Year	10
Additional Search Providers	10
Filter Body Part Based on Procedure.....	13
Cloning Rooms, Availability Templates, and Schedule Groups	14
No Show Workflow	15
Advanced Scheduling Search – Next # of Days	16
Appointments Booked	17
5. Known Limitations	19

1. Purpose

This document describes some of the new features and changes implemented in rRIS as of the end of Sprint 12. This pre-release version of rRIS is referred to as Build 1.12.

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 instructions 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

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

4. New Features and Enhancements

Automatic Form and Label Generation

In Build 1.12, the application now supports the ability to automatically generate labels and forms based on the following criteria:

- A specified RIS Action
 - Patient Created
 - Patient Updated
 - Patient Arrived
 - Order Created
 - Order Updated
 - Study Cancelled
 - Study Scheduled
 - Study Completed
 - Study Updated
 - Report Signed
 - Report Approved
- The Gender Code of the patient
- The Carrier Code of the patient's insurance carrier
- One or more Procedure Codes

Form code	Description	Di...	Form category code	S...	Gender code	Carrier code	Generate on action
Contains: ▾	Contains: ▾	Contains: ▾	Contains: ▾	Contains: ▾	Contains: ▾	Contains: ▾	Contains: ▾
IQE CurrentForms/Exams/CT History Sheet	CT History Sheet	3	Exam	Y			Patient Arrived
Form code	Procedure code						
IQE CurrentForms/Exams/CT History Sheet	CT Chest W/ (71260)						
IQE CurrentForms/Exams/CT History Sheet	CT Chest W (71260)						
IQE CurrentForms/Exams/CT History Sheet	CT Chest W/Wo (71270)						
IQE CurrentForms/Exams/CT History Sheet	CT Cervical Spine W/ (72125)						
IQE CurrentForms/Exams/CT History Sheet	CT Cervical Spine W (72126)						
IQE CurrentForms/Exams/CT History Sheet	CT Cervical Spine W/Wo (72127)						
IQE CurrentForms/Exams/CT History Sheet	CT Abdomen W/ (74160)						
IQE CurrentForms/Exams/CT History Sheet	CT Abdomen W (74160)						
IQE CurrentForms/Exams/CT History Sheet	CT Calcium Scoring (75571)						
IQE CurrentForms/Exams/CT History Sheet	CT Chest W/Wo & Abdomen W/Wo (CT16)						
IQE CurrentForms/Exams/CT History Sheet	CT Chest W/ & Abdomen W/Wo (CT2)						
IQE CurrentForms/Exams/CT History Sheet	CT Chest W/Wo Abdomen W/Wo & Pelvis W/Wo (CT21)						
IQE CurrentForms/Exams/CT History Sheet	CT Abdomen W/Wo & Pelvis W (CT23)						
IQE CurrentForms/Exams/CT History Sheet	CT Chest W Abdomen W/Wo & Pelvis W (CT25)						
IQE CurrentForms/Exams/CT History Sheet	CT Chest W & Abdomen W (CT4)						
IQE CurrentForms/Exams/CT History Sheet	CT Chest W & Abdomen W/Wo (CT42)						
Click here to add a new row							
IQE CurrentForms/Exams/Exam Form	Exam Form	4	Exam	Y			Patient Arrived
IQE CurrentForms/Exams/IV Contrast Consent	IV Contrast Consent	2	Exam	Y			Patient Arrived
IQE CurrentForms/Exams/Patient Registration	Patient Registration	1	Exam	Y			Patient Arrived
IQE CurrentForms/Exams/Thyroid Ultrasound History Sheet Page 1	Thyroid Ultrasound History Sheet Page 1	5	Exam	Y	Female	0518 ALLSTATE	Patient Arrived
Form code	Procedure code						
IQE CurrentForms/Exams/Thyroid Ultras...	US Thyroid (76536)						
Click here to add a new row							

Figure 4.1 – Example of Mapping Labels and Forms

In the example above, the following Forms and conditions have been implemented for testing:

- CT History Sheet – Configured to print when the patient arrives for CT procedures
- Exam Form - Configured to print when the patient arrives
- IV Contrast Consent - Configured to print when the patient arrives. Could easily be expanded to only print for procedures that require contrast
- Patient Registration - Configured to print when the patient arrives
- Thyroid Ultrasound History Sheet Page 1 – Configured to print when the patient arrives, when the procedure is a US Thyroid, when the Gender Code is female, and when the Insurance Carrier is Allstate.


Form: /QE Current/Forms/Exams/Exam Form

1 of 2 100% Find | Next

Towson		Name: CARTER, JEFF	
Name: CARTER, JEFF	Sex: M	MRN: 516	
MRN: 516	DOS: 4/18/2011	Encounter ID: 18031	
JOHN AARON MD	DOB: 10/10/1980		

Patient Demographics		Scheduler: spencer	Date/ Time Scheduled: 4/18/2011 2:00 PM	
SSN	Home Phone	Work Phone	Other Phone	Referral Source
	(902) 888-4579			

Patient Notes	Patient Alerts
Patient prefers early morning	

Exam Information					
Barcode Accession #	Procedure ID/ Description	Exam Time	Body Part / Laterality	Modifier	Pre-Cert#
 1000693	71260*CT Chest W	2:00 PM			

Chief Complaint	Patient History (Duration, Trauma, Surgery)
Tech Notes	Primary Tech
	Secondary Tech

Referring Information:			
Referring Physician:	Phone:	Fax:	Address:
JOHN AARON MD	6108699330	6108690660	6108699330
CC Physician:	Phone:	Fax:	Address:
JARED ABAY PAC	4105500939	4105503077	

Procedure Performed:	DOS	Location
76604*US Chest	4/7/2011	
70030*XR ORBITS FOR FOREIGN BODY	10/25/2010	
70030*XR ORBITS FOR FOREIGN BODY	2/26/2010	
70030*XR ORBITS FOR FOREIGN BODY	1/5/2010	
70030*XR ORBITS FOR FOREIGN BODY	12/18/2009	

Figure 4.2 – Example of an Exam Form generated when Patient Arrived

Form: /QE Current/Forms/Exams/CT History Sheet

1 of 1 100% Find | Next

ADVANCED RADIOLOGY
Trusted by more doctors. Preferred by more patients.

Towson
Tech:
Extension:

CT HISTORY SHEET
First Name: JEFF
Last Name: CARTER
Date of Exam: 4/18/2011
MRN #: 516
Date of Birth: 10/10/1980
Ref Phys: JOHN AARON MD
Image Pref:
Specialty Read:
Specialty:
This is a preliminary worksheet, and should not be used in place of the final report.

Study Description: 71260*CT Chest W

SIGNS AND SYMPTOMS - Why did your physician want you to have this test? What kind of problems are you having?

Medical History - check what applies

☐ Asthma / SOB ☐ Emphysema / COPD ☐ Kidney Problems ☐ High Blood Pressure
☐ Heart Problem ☐ Sickle Cell Dz / Trait ☐ Diabetes ☐ Electronic Device _____
☐ Stroke ☐ Multiple Myeloma ☐ Family Hx of Lung Cancer
 If yes, who in your immediate family: _____

☐ Cancer - Type(s) / w Date: _____
☐ Chemo Therapy: _____ ☐ Radiation Treatments: _____
☐ Hx of Asbestos Exposure: _____ ☐ Hx of Tobacco Use: _____ Packs/day _____ Years
☐ Other: _____

PREVIOUS SURGERIES - check what applies

☐ Lung ☐ Kidney ☐ Appendectomy ☐ Prostate
☐ Cardiac ☐ Gall Bladder ☐ Hysterectomy ☐ L-spine
☐ Aorta ☐ Stomach ☐ Total ☐ Partial ☐ C-spine
☐ Breast ☐ Small Bowel ☐ Bladder ☐ Other: _____
☐ Right ☐ Left ☐ Colon ☐ Hernia

PRIOR DIAGNOSTIC TESTING

Type: _____ Date(s): _____
 Facility: _____ Reports Available: ☐ Yes ☐ No

MEDICATIONS

Creatinine: _____ Date(s): _____

CONTRAST MATERIAL

☐ Optiray ☐ 300 ☐ 320 ☐ 350 ☐ 370
☐ 50ML ☐ 75ML ☐ 100ML ☐ 125ML ☐ 150ML

	Non Contrast	Contrast	Delayed	High Res	<input type="checkbox"/> 3D	Oral Contrast
Chest	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/> None
Abdomen	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/> Gastroview
Pelvis	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/> H2O
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/> Barium
Palpable area - BB placed		<input type="checkbox"/> Yes	Image number: _____			<input type="checkbox"/> VoLumen
Premedication protocol:		<input type="checkbox"/> Yes				

Figure 4.3 – Example of a CT Work Sheet generated when Patient Arrived

rRIS utilizes Microsoft Reporting Services to generate Labels/Forms and Management Reports. Below is a screenshot of Microsoft's Report Builder 3.0 showing the Patient Registration in design mode. The form is assigned a Data Source which points to the database schema. The form is built on a dataset which in this case is using a database view. The parameter being passed to the form from rRIS is study_key.

The screenshot displays the Microsoft Report Builder 3.0 interface for editing a report titled "Patient Registration". The report is part of the "Advanced Imaging Partners" project. The left-hand pane shows the "Report Data" task pane, which includes a tree view of the data source "DataSet1" and its fields. The fields listed are: PatientFullName, AccessionNumber, PatientLastName, PatientFirstName, PatientMiddleName, PatientBirthDate, PatientGender, PatientAddressLine1, PatientAddressLine2, PatientAddressCity, PatientAddressState, PatientAddressZipCode, PatientHomePhone, PatientWorkPhone, PatientMobilePhone, PatientEmail, ResponsiblePartyLastName, ResponsiblePartyFirstName, ResponsiblePartyMiddleName, ResponsiblePartyRelationship, ResponsiblePartyAddressLine1, ResponsiblePartyAddressLine2, ResponsiblePartyCity, ResponsiblePartyState, ResponsiblePartyZipCode, ResponsiblePartyHomePhone, ResponsiblePartyWorkPhone, ReferringPhysician, study_key, and visit_key. The main design area shows the report layout, which is divided into sections: "Patient Information", "Responsible Party Information", and "Medical Information". The "Patient Information" section includes fields for Last Name, First Name, MI, Date of Birth, Gender, Marital Status, Address 1, Address 2, City, State, Zip Code, Home, Work, Cell, and Email. The "Responsible Party Information" section includes fields for Last Name, First Name, MI, Patient's Relationship to Responsible Party, Responsible Party Address, City, State, Zip Code, Responsible Party Home #, and Responsible Party Work#. The "Medical Information" section includes a field for Referring Physician, a section for Insurance (QE Current/Data Source/Insurance_SR), and two checkboxes for "Is this visit related to an auto accident?" and "Is this visit related to an injury sustained while at work?". The form also includes a section for "To Our Female Patients" with a note about pregnancy. The top ribbon shows the "Home" tab with various formatting options. The bottom status bar shows "Row Groups" and "Column Groups".

Figure 4.4 – Editing Patient Registration Form in Report Builder

Referring Physician Location

At the order level, rRIS will now capture where the patient visited the referring physician at. This will be utilized if the referring doctor has more than one office location. If the referring is setup in the system with only one address, then the field will default accordingly. In the example below, Dr. Joshua Aaron has four different office locations. The patient visited at 201 Milford Road but Dr. Aaron would like the report faxed to 410-296-5535.

The screenshot shows the 'Edit Order' window in the rRIS (spencer) application. The 'Referring Details' section is active, displaying the following information:

- Referring:** AARON, JOSHUA
- Visited Location:** E 104, BALTIMORE, MD, 21208 (selected from a dropdown menu)
- Delivery Location:** Work: 4102965535
- CC Physicians:** (empty dropdown)
- Exam Requested:**
 - Practice:** Advanced Radiology
 - Site:** Towson
 - Study(s):** (empty text box)
 - Stat Exam:** ☐
 - Stat Read:** ☐
- Body Part:** (empty dropdown)
- Laterality:** (empty dropdown)

Figure 4.5 – Edit Order showing Delivery and Visited Locations

CC Physicians

rRIS will support an unlimited number of CC Physicians specified at the order level. The CC Physician picker behaves similar to other pickers in the application. As each doctor is selected via a type ahead search, a report delivery location is specified or defaulted if there is only one.

Reception WL (7) Edit Order (Jeff Carter) * x

Patient Order Insurance

Referring Details

Referring: AARON, JOSHUA Delivery Location: Work: 4102965535

Visited Location: Work: 201 MILFORD MILL RD...

CC Physicians: adams

ADAMS, ALICE

ADAMS, D LESLIE

ADAMS, GILLIAN

ADAMS, GREGORY

ADAMS, JOSEPH

ADAMS, KRISTIN

Delivery Location for CC

Exam Requested

Practice: Towson

Study(s):

Body Part:

Laterality:

☐ Stat Exam ☐ Stat Read

Figure 4.6 – Edit Order showing CC Physician Dropdown

Reception WL (7) Edit Order (Jeff Carter) * x

Patient Order Insurance

Referring Details

Referring: AARON, JOSHUA Delivery Location: Work: 4102965535

Visited Location: Work: 201 MILFORD MILL RD...

CC Physicians: SMITH, ALAN x MACDONALD, JAMES x

PETERS, CRAIG x

Delivery Location for CRAIG

Work: 4349248244

Figure 4.7 – Edit Order showing multiple CC Physicians with Report Delivery Locations

Patient Search without Birth Year

Patient Search has been enhanced to allow the user to search for a patient with birth day and/or birth month without having to specify a birth year. In the example below, the user is searching for all patients with a first name of Mike that were born in the month of October.

The screenshot shows the 'Patient Search' window. At the top, there are tabs for 'Reception WL (7)', 'Edit Order (Jeff Carter) *', and 'Patient Search'. Below the tabs is the 'Search Criteria' section. It contains fields for 'First Name' (filled with 'Mike'), 'Last Name' (empty), 'Birth Date' (filled with 'Oct' and a calendar icon), and 'MRN' (empty). There is a 'Sounds Like' checkbox and 'Search' and 'Reset' buttons. Below the search criteria is a table of search results.

	First Name	Last Name	Middle Name	Birth Date	MRN	Issuer	Gender	Address	City	State	Phone
▶	Mike147	Brooks	20899	10-17-1959	67294	RIS	M	296 White Clarendon Street	Riverside	Nevada	
	Mike5	Cole	30212	10-18-1991	11380	RIS	F	77 East White Clarendon Boulevard	Virginia Beach	Missouri	
	Mike02	Conrad	59351	10-31-2007	50903	RIS	M	10 Fabien Road	St. Petersburg	North Dakota	
	Mike	Richards		10-29-2010	4444		M				
	Mike550	Simmons	37892	10-13-1970	57268	RIS	U	16 Cowley Road	Portland	Mississippi	
	Mike51	Whitehead	31502	10-13-1968	46526	RIS	U	19 First Freeway	Jackson	Virginia	
	Mike079	Williams	52393	10-24-1965	12970	RIS	F	81 Cowley Freeway	Greensboro	South Carolina	
	Mike7	Wilson	89362	10-20-1957	75096	RIS	U	904 West Second Blvd.	Denver	South Carolina	

Figure 4.8 – Patient Search with a Partial Birth Date

Additional Search Providers

The search framework in rRIS has been expanded to include more than just patients. Users (with the proper permissions granted) now have the ability to search for staff, sites, and utilize Google. All search providers have been implemented with associated permissions.

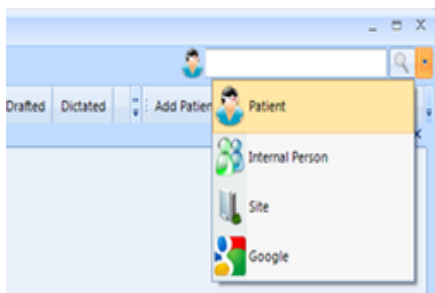


Figure 4.9 – Internal Person, Site, and Google Quick Search

RADNET, Inc. – rRIS Pre-Release Notes

The internal person search is a great utility to quickly find resources such as referring doctors, technologist, radiologists, etc. in the application. In the example below, a scheduling user needs to contact Dr. David Powers regarding a patient. The user simply types “power” with Internal Person selected. The system acts as a rolodex and quickly returns all resources in the system with a last name like Power. The user has the ability to modify the internal person if he or she has the proper permission granted.

rRIS (spencer)

File Administration Scheduling Front Desk Technologist Radiologist Transcription Help

Reception WL (7) Edit Order (Jeff Carter) * Internal Person Search x

Search Criteria

First Name: State:
Last Name: City:
Phone #: Type:

First Name	Last Name	Summary	Home Addresses	Work Addresses	Resource Details
ALEXANDROS	POWERS	Gender: M Cell: 1295702017 ID: 21163		Fax Reports to 3017182979 9715 MEDICAL CENTER DR SUITE 227 ROCKVILLE, MD 20850 (US) Phone #: 3017189611 Fax Reports to 3017188660 8800 OLD GEORGETOWN BETHESDA, MD 20814 (US) Phone #: 3018963100 Fax Reports to 3017188660 4927 AUBURN AVE 2ND FLOOR BETHESDA, MD 20814 (US) Phone #: 3017189611	Referring NPI: 1295702017
DAVID	POWERS	Gender: M ID: 22777		Fax Reports to 4825 BETHESDA AVE BETHESDA, MD 20814 (US) Phone #: 3016525111	Referring NPI: 22777
JAMES	POWERS	Gender: M ID: 24533		Fax Reports to 5550 FRIENDSHIP BLVD SUITE 200 CHEVY CHASE, MD 20815 (US) Phone #: 4109869390	Referring NPI: 24533
R	POWERS	Gender: M ID: 28191		Fax Reports to 7039988256 2800 SHIRLINGTON RD SUITE 102 ARLINGTON, VA 22206 (US) Phone #: 7039988824	Referring NPI: Q59469
ROBIN	POWER	Gender: M ID: 32132		Fax Reports to 4108325783 901 DULANEY VALLEY RD SUITE 129 TOWSON, MD 21204 (US) Phone #: 4108322729	Referring NPI: 32132
MEG	POWERS	Gender: M Cell: 1407899982 ID: 36898		Fax Reports to 7601 O SLER DR DEPT OF NEUROLOGY TOWSON, MD 21204 (US) Phone #: 4103371000	Referring NPI: 1407899982
Ian	Power	Gender: M ian.power@radnet.com Cell: (902) 439-5149 ID: 1045			Radiologist, Referring, Technologist, Transcriptionist

Figure 4.10 – Internal Person Search on Last Name

The site search allows the user to lookup contact information for other sites within the organization. For example if a user needs the fax number for the Lutherville site, he or she can simply use “Luth” as search criteria with the Site search option selected to get a list of matching sites. Users can also use state, city, manager, and phone number as search criteria.



Site	Notes	Address	Contact	Practice
Lutherville(LU) Phone: 345-876-1234	Site level notes	34 Pine Street Level 3 Summerfield, CA 12367	Mary Jones Phone: 987-345-7654	Advanced Radiology(ADV) Phone: 904-987-8776 Fax: 987-345-2345

Figure 4.11 – Site Search on Site Name

Search engines like Google are used often throughout the workday for finding necessary information. In rRIS, the user can click on the Google search button to quickly launch their default web browser and navigate to the Google search page.

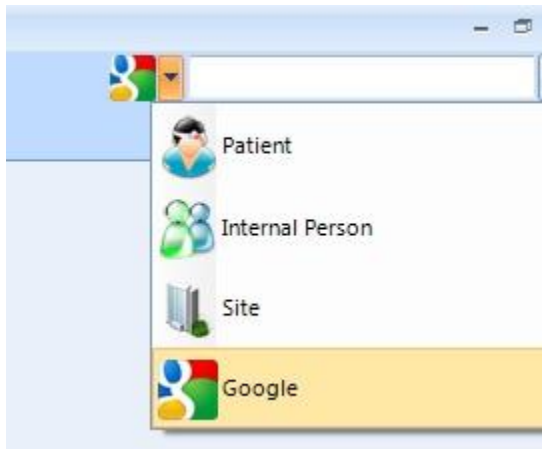


Figure 4.12 – Shortcut to Google Search

Filter Body Part Based on Procedure

There is a requirement to filter the list of applicable body parts based on the procedure code. This is useful if the procedure code is generic like a CT Lower Extremity W (73701). For a CT Lower, it does not make sense to present the user with a list of body parts like arm or shoulder that are not considered lower. In the example below the list of available body parts for a CT Lower include Hip Joint, Ankle Joint, Knee, Leg, Foot, and Pelvis. A default can still be specified from this list.

Procedure co...	Description	Body part code	Laterality co...	Body part required flag	Laterality required fl...	Display order	Duration
Contains: ▾	Contains: lower ▾	Contains: ▾	Contains: ▾	Contains: ▾	Contains: ▾	Equals: ▾	Equ... ▾
73592	XR LOWER EXTREMITY INFANT 2 VIEWS			N	N	1	5
73700	CT Lower Extremity W			N	N	1	30
73701	CT Lower Extremity W			Y	N	1	30

I_procedure_code_x_billing_code	I_procedure_code_x_body_part
procedure_code	body_part_code
73701	Hip joint
73701	Ankle joint
73701	Pelvis
73701	Knee
73701	Leg
73701	Foot
*	

Click here to add a new row

Figure 4.12 – Available Body Parts for Procedure CT Lower Extremity W

Lookup Tables - ProcedureCode Reception WL (7) Orders To Schedule (542) Schedule Order (Pineda Joann5) * x

Patient Order Insurance Schedule

Studies

CT Lower Extremity W x

Body Part: ! ▾

Laterality: ▾ Overbook Reason: ▾

Ankle joint

Foot

Hip joint

Knee

Leg

Figure 4.13 – Filtered Body Parts during Scheduling

Cloning Rooms, Availability Templates, and Schedule Groups

A large amount of administrative time can be spent on creating and editing rooms, availability templates, and schedule groups. rRIS allows the administrative user to clone these areas to save valuable time. For example, a user is setting up a CT room at the Townson site and it operates on the same or similar working hours to the CT room at the Lutherville site. The user simply highlights the Lutherville CT template, clicks the Clone button, and enters a new name. Now a new template has been created that is already configured and ready to be applied to a Schedule Group.

Template: LU CT Add Clone Remove

Date Ranges:

Default Template

Add Edit Remove

Time Ranges:

Monday			Tuesday			Wednesday			Thursday			Friday		
Start	End	Dur	Start	End	Dur	Start	End	Dur	Start	End	Dur	Start	End	Dur
* Click here to add a new row			* Click here to add a new row			* Click here to add a new row			* Click here to add a new row			* Click here to add a new row		
7:45 AM	4:00 PM		7:45 AM	4:00 PM		7:45 AM	4:00 PM		7:45 AM	4:00 PM		7:45 AM	4:00 PM	

Figure 4.14 – Cloning an Availability Template

No Show Workflow

In Build 1.12, a No Show worklist has been added to the application. The purpose of this worklist is to track all overdue patients. This worklist has been configured to include all studies that are still in a scheduled status and were scheduled between yesterday and fourteen days prior. From the worklist, a scheduling user can track No Show patients and easily contact them to reschedule or cancel the appointment.

Lookup Tables - AvailabilityTemplate		Orders To Schedule (542)		Schedule Order (Frank Tia8) *		No Show WL (62) x	
First name	Last name	MRN	Scheduled start date	Scheduled modality code	Procedures	Status code	Due Time
Contains: ▼	Contains: ▼	Contains: ▼	Equals: ▼	Contains: ▼	Contains: ▼	Contains: ▼	Contains: ▼
Kenneth42	Townsend	693	4/9/2011 10:30:00 AM	US1LU	76604*US Chest	Scheduled	OVERDUE by 9 DAYS 23 HOURS 43 MINUTES
Bonnie	Test	639	4/12/2011 11:00:00 AM	CT1LU	70491*CT Soft Tissue Neck W	Scheduled	OVERDUE by 6 DAYS 23 HOURS 13 MINUTES
Mike	Richards	4444	4/13/2011 1:05:00 PM	XR1TO	70140*XR Facial Bones 1-2 Views	Scheduled	OVERDUE by 5 DAYS 21 HOURS 8 MINUTES
chris	pronger	453	4/13/2011 1:00:00 PM	XR2TO	RD20*XR Hand 2 Views & Finger 2 Views, Unilat	Scheduled	OVERDUE by 5 DAYS 21 HOURS 13 MINUTES
Mike	Richards	4444	4/13/2011 1:00:00 PM	XR1TO	RD30*XR Foot 2 Views, Bilat	Scheduled	OVERDUE by 5 DAYS 21 HOURS 13 MINUTES
Mike	Richards	4444	4/13/2011 2:30:00 PM	XR1TO	RD20*XR Hand 2 Views & Finger 2 Views, Unilat	Scheduled	OVERDUE by 5 DAYS 19 HOURS 43 MINUTES
chris	pronger	453	4/13/2011 2:30:00 PM	XR2TO	RD26*XR Hand 3 Views & Wrist 3 Views, Bilat	Scheduled	OVERDUE by 5 DAYS 19 HOURS 43 MINUTES
chris	pronger	453	4/13/2011 3:30:00 PM	XR2TO	74000*XR ABDOMEN AP, KUB	Scheduled	OVERDUE by 5 DAYS 18 HOURS 43 MINUTES
Ian4	Allen	96485	4/14/2011 10:00:00 AM	XR1TO	71020*XR CHEST PA LAT	Scheduled	OVERDUE by 5 DAYS 0 HOURS 13 MINUTES
Staci406	Wallace	914	4/15/2011 1:00:00 AM	XR1TO	RD3*XR Knee Min 4 Views, Bilat	Scheduled	OVERDUE by 4 DAYS 9 HOURS 13 MINUTES
Leanne	Pham	503	4/15/2011 6:00:00 AM	XR1TO	RD2*XR Knee 3 Views, Bilat	Scheduled	OVERDUE by 4 DAYS 4 HOURS 13 MINUTES
Jesus2	Alexander	53709	4/14/2011 10:20:00 AM	XR1TO	73650*XR HEEL MIN 2 VIEWS	Scheduled	OVERDUE by 4 DAYS 23 HOURS 53 MINUTES
Bonnie	Test	580	4/14/2011 11:30:00 AM	XR2TO	RD21*XR Knee 1-2 Views, Bilat	Scheduled	OVERDUE by 4 DAYS 22 HOURS 43 MINUTES
Denise	Test	573	4/14/2011 12:00:00 PM	XR2TO	71020*XR CHEST PA LAT	Scheduled	OVERDUE by 4 DAYS 22 HOURS 13 MINUTES
chris	pronger	453	4/14/2011 12:20:00 PM	US2TO	76536*US Thyroid	Scheduled	OVERDUE by 4 DAYS 21 HOURS 53 MINUTES
Mike	Richards	4444	4/14/2011 1:00:00 PM	MA1TO	G0204CBUS*MA DIGITAL MAMMO CB DIAG B...	Scheduled	OVERDUE by 4 DAYS 21 HOURS 13 MINUTES
Ian	Power	565	4/14/2011 1:30:00 PM	CT1LU	70450*CT Head Wo	Scheduled	OVERDUE by 4 DAYS 20 HOURS 43 MINUTES
Rene	Wilson	865	4/15/2011 9:00:00 AM	XR1TO	RD2*XR Knee 3 Views, Bilat	Scheduled	OVERDUE by 4 DAYS 1 HOURS 13 MINUTES
Andrea	Young	833	4/15/2011 10:30:00 AM	XR1TO	RD2*XR Knee 3 Views, Bilat	Scheduled	OVERDUE by 3 DAYS 23 HOURS 43 MINUTES
chris	pronger	453	4/15/2011 3:00:00 PM	US1LU	76604*US Chest	Scheduled	OVERDUE by 3 DAYS 19 HOURS 13 MINUTES
Chri	Mendez	324	4/5/2011 1:15:00 PM	CT1LU	70460*CT Head W	Scheduled	OVERDUE by 13 DAYS 20 HOURS 58 MINUTES
Angelique	Copeland	1251	4/5/2011 2:20:00 PM	DX1LU	77080*DX AXIAL SKELETON	Scheduled	OVERDUE by 13 DAYS 19 HOURS 53 MINUTES
chris	pronger	453	4/6/2011 10:40:00 AM	CT1LU	76604*US Chest	Scheduled	OVERDUE by 12 DAYS 23 HOURS 33 MINUTES
Angela932	Smith	69014	4/6/2011 1:00:00 PM	CT1LU	CT13*CT 3 Phase	Scheduled	OVERDUE by 12 DAYS 21 HOURS 13 MINUTES
Angela932	Smith	69014	4/6/2011 2:00:00 PM	CT1LU	CT66*CT Abdomen W & CTA Chest W/Wo	Scheduled	OVERDUE by 12 DAYS 20 HOURS 13 MINUTES
Alfons	Smith	63114	4/7/2011 8:00:00 AM	US1LU	76604*US Chest	Scheduled	OVERDUE by 12 DAYS 2 HOURS 13 MINUTES
Alfons	Smith	63114	4/7/2011 8:00:00 AM	US2LU	76604*US Chest	Scheduled	OVERDUE by 12 DAYS 2 HOURS 13 MINUTES

Figure 4.15 – No Show Worklist

Advanced Scheduling Search – Next # of Days

The Advanced Search Criteria screen used when searching for scheduling solutions has been enhanced to include Next and Previous buttons represented below by green arrows. If the user has a defined date range set at 7 days, simply clicking the Next Arrow will automatically advance the search by the next 7 days. The Previous Arrow will search the previous 7 days.

The image displays two side-by-side screenshots of the 'Advanced Search Criteria' window. Both windows have the same layout with the following fields:

- Search Criteria:** (Header)
- Region:** Maryland (dropdown)
- Practice:** Advanced Radiology (dropdown)
- Site:** Towson (dropdown)
- Start Date:** 04-25-2011 (left) / 05-01-2011 (right)
- End Date:** 04-30-2011 (left) / 05-07-2011 (right)
- Days:** A list of days from Monday to Sunday, each with a checked checkbox.
- Start Time:** 7:00 AM
- End Time:** 7:00 PM
- Buttons:** A 'Search' button and two green arrow buttons (one pointing left, one pointing right) are located at the bottom of each window.

The left screenshot shows the initial search criteria for the week of April 25-30, 2011. The right screenshot shows the same criteria but with the date range advanced to May 1-7, 2011, illustrating the 'Next' functionality.

Figure 4.15 – Advanced Search Criteria showing Next and Previous Days

Appointments Booked

The Appointments Booked screen is a visual representation of schedule activity for scanners/rooms. The user has the ability to filter by:

- Region
- Practice
- Site Group
- Site
- Modality Type
- Room
- Schedule Date

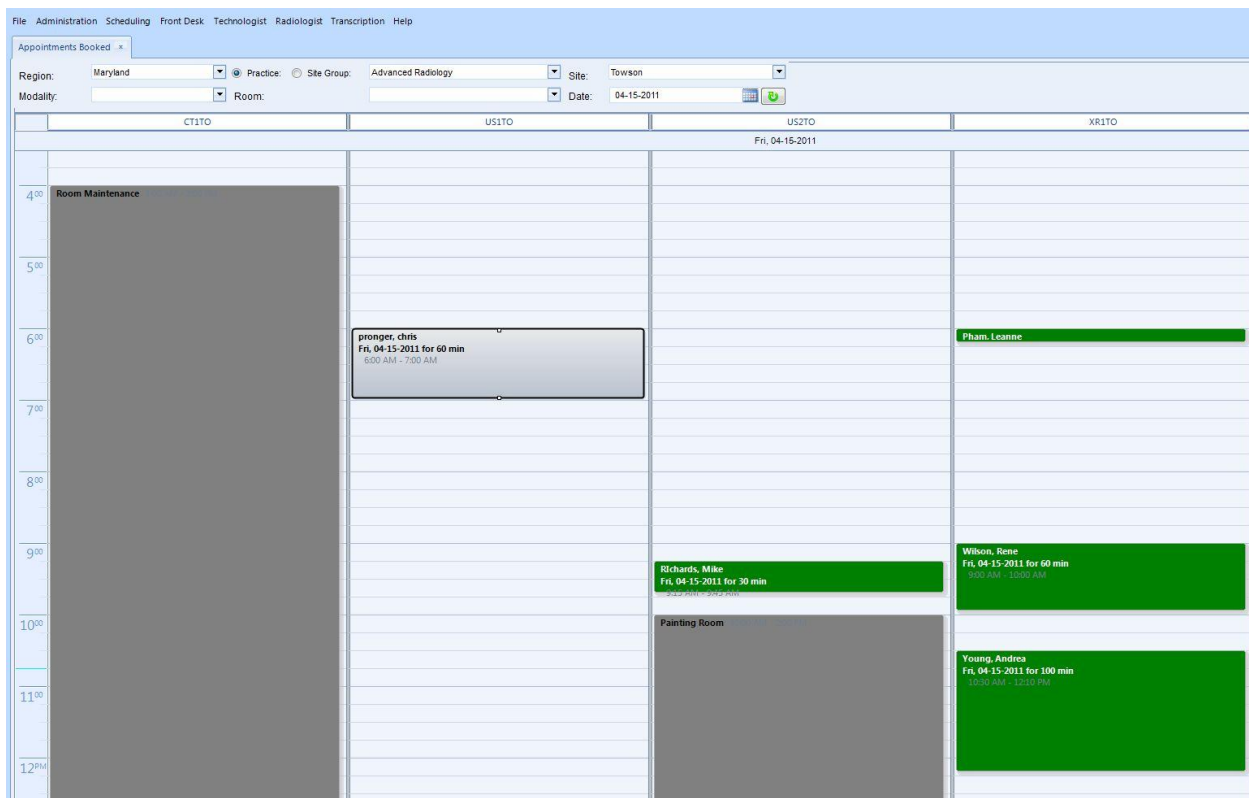


Figure 4.16 – Appointments Booked Screen filtered by Site and Date

With the proper permissions granted, users have the ability to create new or edit existing scheduled studies simply by clicking on the desired timeslot. Room Closures and the Availability Template are reflected in the layout.

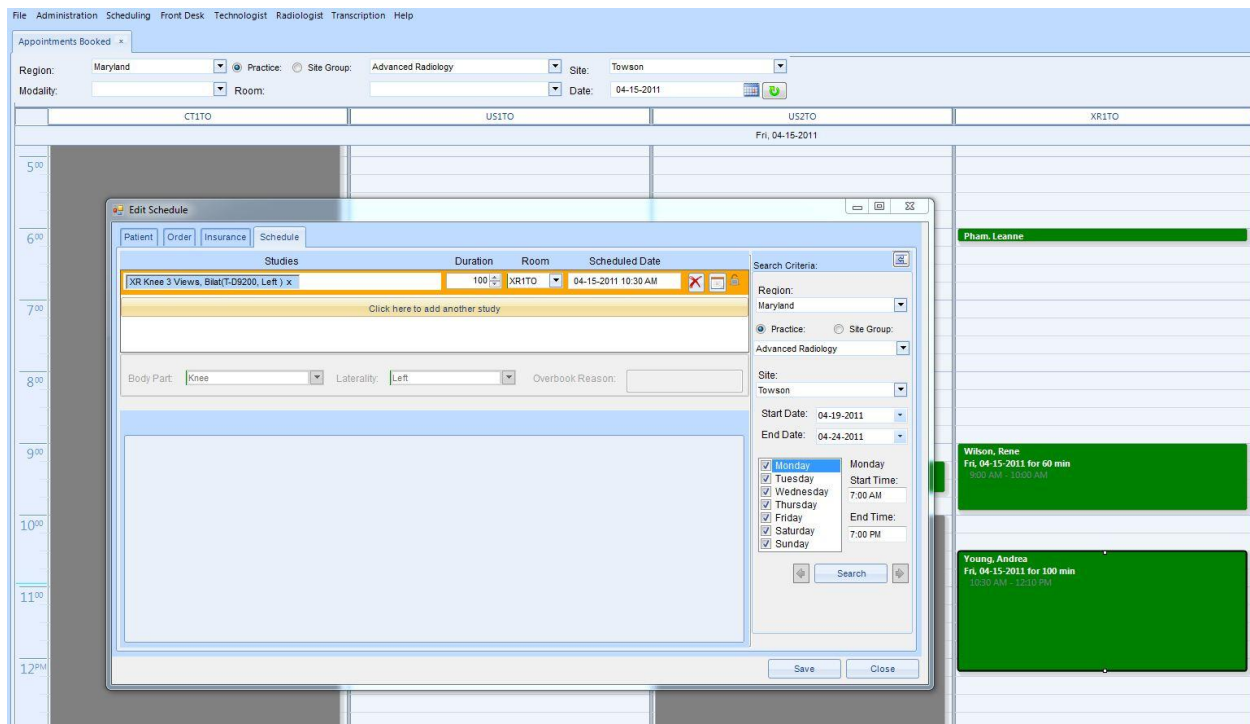


Figure 4.17 – Edit Appointment via Appointments Booked Screen

5. Known Limitations

Bugs, Suggested Features, and Support Issues are now tracked in a web based system called Redmine. The following is a snapshot of the issues found in Build 1.12 as of the end of Sprint 13. Note that the majority of these issues will be resolved in Build 1.13.

#	Status	Subject	Category	Found	%Done	Resolved
343	New	Idle Time Error - Error Creating Window Handle	Thick Client GUI	1.12	0	
342	New	Modality Closure - Inactive closures are still reflected in search results	Admin Tools	1.12	0	
341	New	Worklist - Issue with multi-select and Enter key	Thick Client GUI	1.12	0	
339	New	Scheduling - User can launch appointment book without room selected	Thick Client GUI	1.12	0	
338	New	Scheduling - Modalities marked as Inactive are shown in search results	Thick Client GUI	1.12	0	
337	Closed	Scheduling - Defaulting Room	Thick Client GUI	1.12	100	1.13
336	Resolved	Required Fields - Validation is not refreshing on scheduling screen	Thick Client GUI	1.12	100	1.13
335	Resolved	Scheduling - Exception when scrolling search results	Thick Client GUI	1.12	100	1.13
334	New	Scheduling - Insurance tab	Thick Client GUI	1.12	0	
333	New	Lookups Editor - Forms and Labels to Procedure mappings	Thick Client GUI	1.12	0	
332	New	Scheduling - Room closures are not being reflected in the GUI timeslots	Thick Client GUI	1.12	0	
331	New	Scheduling - Issue with procedures with less than 30 minute duration	Thick Client GUI	1.12	0	
330	New	Scheduling - Issue when searching over multiple days	Thick Client GUI	1.12	0	
329	New	Scheduling - Issue with times in search criteria	Thick Client GUI	1.12	0	
328	New	Scheduling - Edit Schedule	Thick Client GUI	1.12	0	
327	Resolved	Scheduling - Templates are not being stored as default	Admin Tools	1.12	100	1.13
326	Resolved	AvailabilityTemplate - Issue adding date ranges	Admin Tools	1.12	100	1.13
325	New	No Show - Workflow issues/suggestions	Thick Client GUI	1.12	0	
324	New	Insurance - No consideration for field length when entering policies	Thick Client GUI	1.12	0	
323	New	Search Providers - Missing Access String for Google Search	Thick Client GUI	1.12	0	
322	New	Search Providers - Missing Access Strings after upgrade	Admin Tools	1.12	0	
321	New	DataSet Visualizer - Does not show for Studys and CC Physician	Thick Client GUI	1.12	0	
320	New	Internal Person Search - Ignores permissions	Thick Client GUI	1.12	0	
319	Closed	Labels and Forms - Require ability to specify full path to forms	Admin Tools	1.12	100	1.12
318	New	Data Visualizers - Periodically the data visualizers on one tab carry over to another tab	Thick Client GUI	1.12	0	
317	New	Scheduling - Search results don't seem to be returning all timeslots comapred to Appointment Book	Thick Client GUI	1.12	0	
316	Closed	Appointment Book - Issue with new appointment on empty timeslot	Thick Client GUI	1.12	0	
315	New	Scheduling - Registration - Patient Contacts Arrival issue	Thick Client GUI	1.12	0	
314	New	DataSet Visualizer - Should be Read Only	Thick Client GUI	1.12	0	
313	New	Appointment Book - Out of memory exception	Thick Client GUI	1.12	0	
312	Closed	Scheduling - Filling up room schedules	Thick Client GUI	1.12	100	1.12
311	Resolved	Appointment Book - Issue converting timeslots to local time	Thick Client GUI	1.12	100	1.13
310	Resolved	Appointment Book - Needs to default to a configurable start of day	Thick Client GUI	1.12	100	1.13
309	New	Scheduling - Availability not reflected per template	Thick Client GUI	1.12	0	
308	Resolved	Scan Error - Patient Key does not allow nulls	Thick Client GUI	1.12	100	1.13
307	New	Order - dropdowns do not limit user to listed values	Thick Client GUI	1.12	0	
306	Resolved	Modalities - Unable to copy mappings	Admin Tools	1.12	100	1.13
305	Resolved	Scheduling - Advance Search	Thick Client GUI	1.12	100	1.13
304	New	Scheduling - Schedule New Order	Thick Client GUI	1.12	0	
303	Closed	Scheduling - Composite Codes - changing from single procedure to composite	Thick Client GUI	1.12	100	1.13

RADNET, Inc. – rRIS Pre-Release Notes

302	New	Insurance - buttons are enabled when row count is zero	Thick Client GUI	1.12	0	
301	Closed	Lookups - Issue with validation on ScanType	Admin Tools	1.12	100	1.13
300	Resolved	Scheduling - Refresh lock timer continues to fire	Thick Client GUI	1.12	100	1.13
299	Resolved	Lookups - Availability Template - data storing incorrectly	Thick Client GUI	1.12	100	1.13
298	Resolved	Lookups - Availability Template - Add button, incorrect focus	Thick Client GUI	1.12	100	1.13
297	New	Lookups - Concurrency violation - Delete from lookup	Web Services/DB	1.12	0	
296	New	Lookups - Personnel - Concurrency violation	Services/DB	1.12	0	
295	Closed	Scheduling - Composite Codes	Thick Client GUI	1.12	100	1.13
294	New	Registration - Insurance tab is not properly enforcing required fields	Thick Client GUI	1.12	0	
293	Resolved	Scheduling - Issue adding second study row	Thick Client GUI	1.12	100	1.13
292	Closed	Data Visualizers - Only showing Patient Data	Admin Tools	1.12	0	
291	Closed	Scheduling - Getting prompted that user does not have permission to schedule	Thick Client GUI	1.12	100	1.13
290	New	Scheduling - Study picker has issues with case	Thick Client GUI	1.12	0	
289	Closed	Scheduling - When adding new study, study picker should get focus	Thick Client GUI	1.12	100	1.13
288	Resolved	Order - Search criteria is not defaulting properly	Thick Client GUI	1.12	100	1.13
287	Resolved	Order - Issue with referring delivery method being null	Web Services/DB	1.12	100	1.13
286	New	Installer - No indication that the application installed successfully	Thick Client GUI	1.12	0	
284	New	Personnel - Performance issues on save	Admin Tools	1.12	0	
283	New	Personnel - No character validation with usernames	Admin Tools	1.12	0	
282	New	Worklist - No means to specify "And" or "Or" filter	Thick Client GUI	1.12	0	
281	New	Order - Performance issue with CC Physicians	Thick Client GUI	1.12	0	
280	New	Order - Require additional criteria to filter referrals	Thick Client GUI	1.12	0	
279	New	Order - Performance issue with New Order screen	Thick Client GUI	1.12	0	
278	New	Carrier - No related table for Carrier Type	Admin Tools	1.12	0	
277	New	Registration - Issue presenting carrier notes to user	Thick Client GUI	1.12	0	
276	New	Carrier - Notes field requires more characters	Admin Tools	1.12	0	
275	New	Lookup - The carrier lookup is missing a filter bar	Admin Tools	1.12	0	
274	New	Authorization - InsuranceVerificationRequired is not consistent with other lookups	Admin Tools	1.12	0	
273	New	Lookup - Exception when removing referenced carrier	Admin Tools	1.12	0	
196	Progress	Edit and Add Patient - Age calculated field	In Thick Client GUI	1.12	100	
181	Closed	Scheduling - Room text box on the study grid	In Thick Client GUI	1.12	100	1.13
167	Progress	Permissions - Missing permission on Administration menu item	In Thick Client GUI	1.12	100	
106	Progress	Worklist - Issue with refreshing when web services are down	In Thick Client GUI	1.12	100	