

Department of Veterans Affairs

Breast Care Registry (BCR) User Guide



**June 2015
BCR Software Version 2.0**

Revision History

Date	Revision	Description	Author
06/09/2015	2.0	Revisions after stakeholder feedback	REDACTED
05/26/2015	1.0	Initial Version	REDACTED

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1. Introduction

The Department of Veterans Affairs (VA) Breast Care Registry (BCR), formerly known as Breast Cancer Clinical Case Registry (BCCCR), was established to provide a registry of information about breast cancer screening, test results, treatment, and follow-up for clinical care and population surveillance of breast care. The registry provides a user interface for clinicians and coordinators to analyze and report BCR patient health metrics and data.

BCR Version 2.0 enhances the existing BCR by completing the implementation of initial requirements; repairing legacy defects; ensuring report consistency; ensuring comprehensive data ingestion and accuracy from identified data sources; and deploying a fully functional national release of the registry. The enhanced BCR provides the Women's Health Services of the Veterans Health Administration (VHA) with the ability to determine areas of improvement for the timely and quality care of Veterans, and to enhance the VHA's capacity to monitor long-term outcomes of BCR patients within Women's Health Services.

1.1. Purpose

The purpose of this user guide is to familiarize users with the features and navigational elements of the enhanced BCR application.

1.2. Overview

BCR v2.0 is a Web-based intranet registry application, residing within the Converged Registries Solution (CRS) architectural framework. Figure 1 depicts the following data flow and system logic:

- 1) The provider documents patient care encounters and enters the data into the Computerized Patient Record System/Veterans Health Information Systems and Technology Architecture (CPRS/VistA).
- 2) The patient data is securely stored in the Corporate Data Warehouse (CDW). This CDW data is also compiled from feeds from corresponding Regional Data Warehouse (RDW) and Veterans Integrated Service Network (VISN) Data Warehouse (VDW) sources.
- 3) At regular intervals, the BCR database (residing within CRS) extracts data specific to the breast care patient cohort from CDW.
- 4) The BCR Dashboard provides BCR users with quality patient data, including patient details and standard, aggregate and ad hoc reports. Depending on user permissions, data is available at the national, regional and local levels, allowing providers to evaluate effective treatment, quality care, scheduling, and planning for their specific cohort.

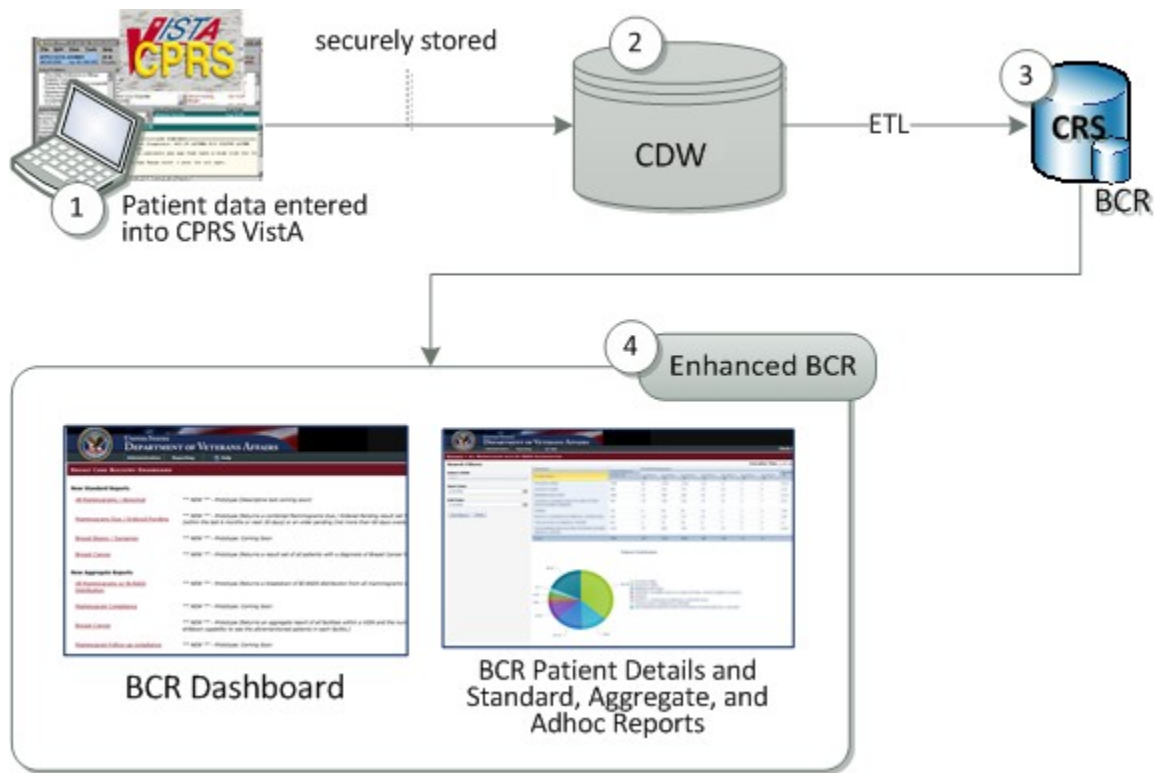


Figure 1: Enhanced BCR Data Flow and System Diagram (Conceptual)

1.3. Project References

The formal documentation for the enhanced BCR is located in the Technical Service Project Repository (TSPR) project notebook:

REDACTED

1.3.1. Information

Listed below are the points of contact for BCR administration, troubleshooting and information:

REDACTED

1.3.2. Coordination

The organizations that require coordination for BCR include the Registries Sustainment team, Women's Health Services, and the Austin Information Technology Center (AITC).

Security measures are upheld by AITC. The schedule of coordination activities is the timeframe of the BCR enhancements warranty and BCR sustainment activities.

1.3.3. Help Desk

REDACTED

REDACTED

1.4. Acronyms and Abbreviations

Table 1. Acronyms and Abbreviations

Term	Meaning
AITC	Austin Information Technology Center
BCCCR	Breast Cancer Clinical Case Registry
BCR	Breast Care Registry
BI-RADS	Breast Imaging Reporting and Data System
CDW	Corporate Data Warehouse
CPRS	Computerized Patient Record System
CPT	Current Procedural Terminology
CRS	Converged Registries Solution
ICD	International Classification of Diseases
NSD	National Service Desk
PACT	Patient Aligned Care Team
RDW	Regional Data Warehouse
TSPR	Technical Service Project Repository
VA	Department of Veterans Affairs
VDW	VISN Data Warehouse
VHA	Veterans Health Administration
VISN	Veterans Integrated Service Network

Term	Meaning
VistA	Veterans Health Information Systems and Technology Architecture
WAN	Wide Area Network

2. System Summary

The user interface for the enhanced BCR is a standard Web interface that provides optimized reporting tools with a variety of filtering and sorting capabilities, including the following features:

- BCR Dashboard
- BCR Standard Reports
- BCR Aggregate Reports
- BCR Ad Hoc Reporting Dashboard
- VISN/Facility Search

These features are described in detail in this User Guide.

2.1. System Configuration

The enhanced BCR utilizes the VA Wide Area Network (WAN), with a communications interface to transfer records as appropriate. The One VA Enterprise WAN is depicted in the figure below.

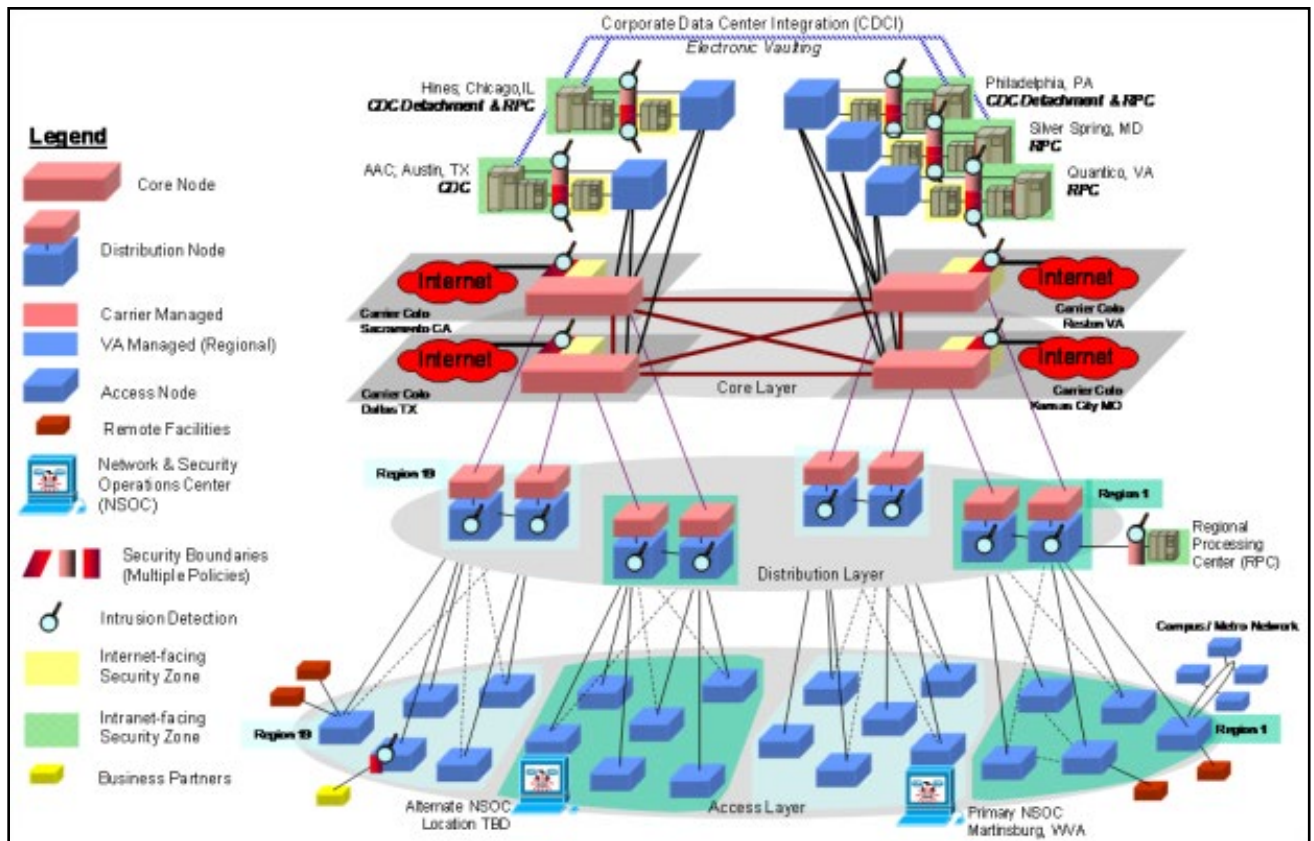


Figure 2: One VA Enterprise WAN

The VHA Data Warehousing Visual Architecture figure shown below depicts the interface relationship between BCR and CDW.

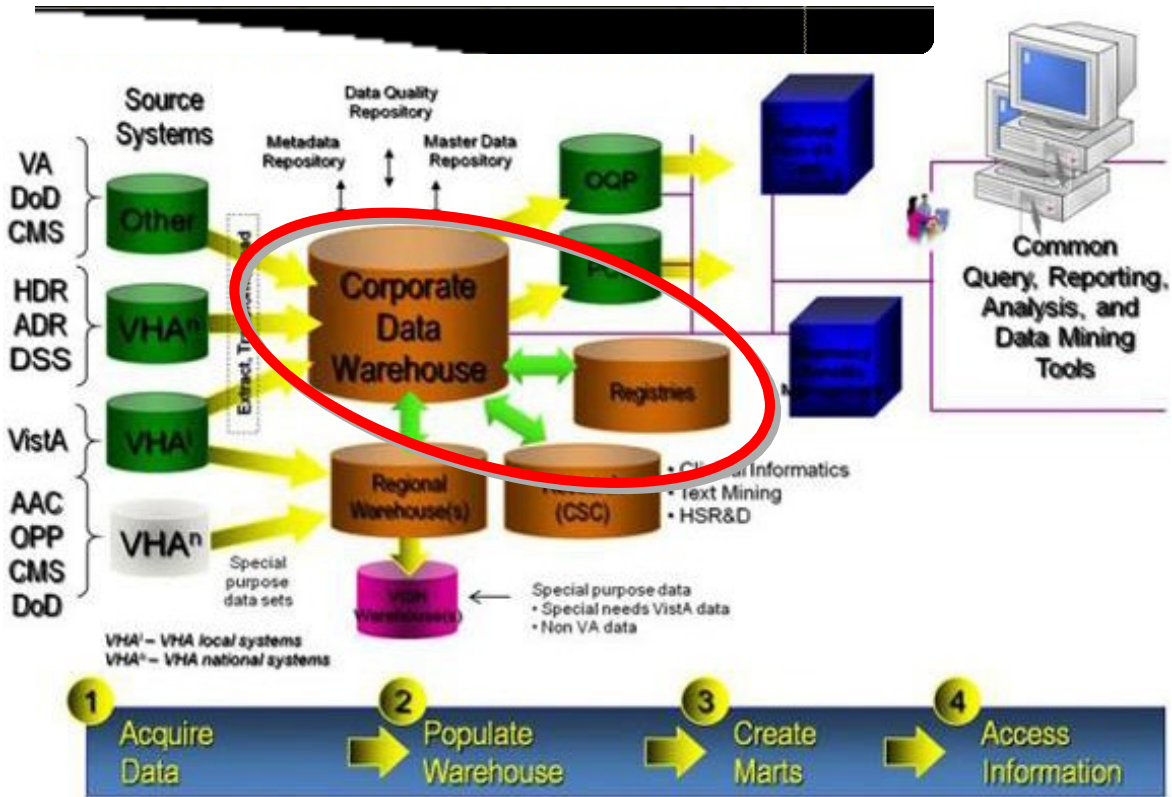


Figure 3: BCR and CDW Interface Relationship

2.2. Data Flows

The BCR data flow and system logic is described in Section 1.2.

2.3. User Access Levels

The enhanced BCR allows access to authenticated users on the CRS platform, consisting of BCR clinicians, support personnel for setup, and skilled administrators for installation and updates. The intended users of BCR are described in the table below.

Table 2. User Access Levels

Intended User(s)	System Proficiency	Background / Experience	Technical Support / Maint Expertise	Access Privileges
VHA Office of Women's Health Services	High	High	Low	Full
Clinicians	Varies	Varies	Low	Varies
BCR Local Administrators	Varies	Varies	Low	Varies
BCR System Administrators	High	High	High	Full

CRS further provides for the following three layers of access:

- **Enterprise Access:** To be granted to users requiring reports and information on an enterprise level. Enterprise access will also include access to the VISN local levels.
- **VISN Access:** To be granted to users requiring reports and information on a VISN-specific level. The access will be restricted to reports and information from that user's assigned VISN. VISN level access will also include local level functionality for sites within the VISN.
- **Local Level:** To be granted to users requiring reports and information on a local level. Users with local access will be restricted to reports and information for their assigned location. Local users will not have access to VISN or enterprise reports or information. Local level is the most restrictive level of access.

For BCR, privileges are delegated by facility, VISN, and national levels. For example, a local level user in Atlanta will be able to view the aggregate data for the Atlanta facility only, but a BCR system administrator will be able to view facility, VISN, and national data.

2.4. Contingencies and Alternate Modes of Operation

Continuity of operations in the event of an emergency, disaster, or accident is handled by AITC procedures.

3. Getting Started

3.1. Logging On

BCR is a Web-based intranet registry that allows access to authenticated users on the CRS architectural platform. No separate login procedure is required once the user has been given access to the BCR intranet site application.

BCR requires Internet Explorer (IE) versions 6.0 or higher.

3.2. System Menu

The BCR Dashboard is the main page, providing a menu of selections that allow providers to generate a variety of reports, including standard reports, aggregate reports, ad hoc (custom) reports, and VISN or facility-specific searches. The Dashboard also allows searching for specific patients.

United States DEPARTMENT OF VETERANS AFFAIRS
Reporting Administration Help

Patient Search:

BREAST CARE REGISTRY DASHBOARD

New Standard Reports

- [All Mammograms / Abnormal](#) This report allows PACTs and Providers to search for all their patients with mammograms (normal and abnormal) and show details of their results and follow-up care.
- [Mammograms Due](#) This report allows PACTs and Providers to run lists of all their patients who are due for follow-up mammograms.
- [Ordered/Pending](#) This report allows PACTs and Providers to run lists of all their patients who have had mammograms ordered and the latest status of each.
- [Breast Biopsies / Surgeries](#) This combined report allows PACTs and Providers to run lists of all their patients who have had breast biopsies and/or surgeries and show the details of their results and follow-up care.
- [Breast Cancer](#) This report allows PACTs and Providers to run lists of all their patients with Breast Cancer and shows details of diagnosis and follow-up care.

New Aggregate Reports

- [All Mammograms w/ BI-RADS Distribution](#) This report shows aggregate numbers of mammograms by BI-RADS code, by VISN / Facility.
- [Mammogram Compliance](#) This report shows percent of patients who are compliant with mammogram screening by VISN.
- [Breast Cancer](#) This report shows an aggregate report of all facilities within a VISN and the number of patients with a Breast Cancer diagnosis. This report also provides a drilldown capability to see the aforementioned patients in each facility.
- [Mammogram Follow-up compliance](#) This report shows the breakdown of patients with mammogram results who have a follow-up action taken.

Ad hoc Reporting

- [Ad hoc Reporting Dashboard](#) Allow users to create, select, and execute saved reporting templates from within the system. A reporting template is simply a saved query to run against the BCR database to allow for a more efficient and optimized data mining session.

Utilities

- [VISN / Facility Search](#) Allows users to search for VISN / Facility information to quickly determine location and details about particular establishments.

Figure 4: BCR Dashboard

3.3. System Navigation

As a Web-based application, BCR provides easy browser-based navigation between reports and pages.

- To generate a report, click the corresponding link on the BCR Dashboard.
- To return to the BCR Dashboard from any other page, click the **Reporting** link at the top of the page.



Navigation is also aided by the breadcrumb trail at the top of each report. Click the desired level to navigate between reporting levels (or click **Reports** to go back to the Dashboard).

REPORTS > MAMMOGRAM COMPLIANCE > MAMMOGRAM COMPLIANCE BY FACILITY (528)



Clicking the browser Back and Next buttons will navigate back and forth between to the previous and next page.

3.4. Report Navigation

Upon generating a report, BCR allows easy navigation between report pages.

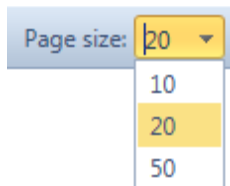
Details				01/31/2014 08:00 AM	1	01/31/2015	Screening	Ordered / Not Scheduled	47	F	UNKNOWN	Home: (000)000-0000 Work: (000)000-0000 Cell: (000-000-0000)
Details				05/05/2014 08:00 AM	1	05/05/2015	Screening	No order exists	68	F	WHITE	Home: (000)000-0000 Cell: (000-000-0000)

Page size: 20 1627 items in 82 pages

Use the Previous  and Next  buttons to go back and forth between pages sequentially, or click the desired page number to open it.

Click the First  and Last  buttons to jump to the first or last page.

To set the number of rows to display on one page, make the selection from the **Page Size** list:



3.5. Changing User ID and Password

As a Web-based VA intranet registry application, users log in with their VA network credentials. User IDs and passwords are not administered by BCR, and thus no specific procedures for changing the User IDs and passwords are required.

3.6. Exit System

- To exit the system, simply close the browser window.

3.7. Known Caveats and Exceptions

Known caveats and exceptions include the following:

- BCR is currently unable to differentiate the data within individual facilities for VISN 2 and VISN 23. The data from these facilities roll up at the VISN level only and cannot be provided at the facility level.
- As of May 2015, System for Mammography Results Tracking (SMART) Health Factor data for follow-up care is not available. Information about follow-up actions will be available in BCR with CPRS version 31, planned for release in 2016.
- Regional data in VDW/RDW may not always align with national data in CDW, and so patient data discrepancies are possible. Such discrepancies should be reported to BCR Administrators.

4. Standard Reports

Standard reports allow BCR users to run searches and generate reports about specific patient cohorts based on the desired criteria. Standard reports also provide the ability to view individual patient information.

Patient Eligibility: BCR includes all Veterans and non-Veterans who have actively been seen within the last 3 years, **excluding** males who have no mammography data and female non-Veterans who have no mammography data.

Ethnicity: The Hispanic ethnicity includes all Hispanic patients, including those identified as Hispanic Black, Hispanic White, and Hispanic/Latino.


4.1. All Mammograms / Abnormal

This report allows providers and coordinators to search for patients with both normal and abnormal mammograms, and to view details of results and follow-up care.

To run an All Mammograms / Abnormal report

1. Click **All Mammograms / Abnormal** on the BCR Dashboard.
2. Select the following filters:
 - VISN: Select the VISN from the drop-down list
 - Station/Healthcare System: Select the Station or Healthcare System from the list. The Facility ID will be shown in parentheses.

The image shows a dropdown menu with the title "Select Station / Healthcare System:". The menu is open, displaying a list of options. The first option, "BRONX VAMC (526)", is highlighted in yellow. The other options are "EAST ORANGE-VA NEW JERSEY HCS (561)", "HUDSON VALLEY HCS VAMC (620)", "NEW YORK HHS (630)", and "NORTHPORT (632)".

- PACT Team: Click the check box next to each Patient Aligned Care Team (PACT) to include in the search, or click **Check All** to include all PACTs. To narrow the list, type any portion of the name of the PACT and select from the resulting list of matches. (Default = All PACTs)
- Start/End Dates: Click the calendar  icons to select the start and end dates of the query, or enter the date in m/d/yyyy format. (Selecting an end date earlier than the start date will generate an error message.) (Default = one year prior to the current date.)
- Show only Latest Entries: When this check box is selected, only the latest test (for patients with multiple tests) will be returned. To include all tests, de-select the check box. (Default = Checked Box)

- **Show Only Mammograms:** Click this check box to view only mammograms. When de-selected, ultrasounds and MRIs are displayed in addition to mammograms. (Default = Unchecked Box)
- **BI-RADS Codes:** Select the desired Breast Imaging Reporting and Data System (BI-RADS) codes (1 – 6) to include in the search. (Default = All Items Checked)
- **Age Restriction:** Select the desired age range. (Default = All)
- **Patient Name:** Enter the first or last name of the patient, or any portion of the name.
- **Gender:** Select the gender. (Default = All)
- **Race:** Select the race. (Default = All)
- **Provider Name:** Enter the first or last name of the provider, or any portion of the name.
- **Follow-Up Action (available in 2016, see Section 3.7):** Select from the list to include only patients with a follow-up action, only those with no follow-up action, or All. (Default = All)

3. After setting filters, click **Run Report**. (To reset the filters and begin a new search, click **Reset**.)

Viewing the report

The resulting report will display the results of the search in a grid format. The data can be exported to different file formats, including Excel, CSV, PDF, or Word.

- To export, click the **Export** button that corresponds to the desired file format. Type a name for the report (or keep the default name) and click **OK**.

The report can be sorted by column in ascending or descending order by clicking the up or down arrow in the column.

- To view mammogram impression notes, hover the cursor over the **Impression** link.
- To view detailed patient information, click **Details**. For more information about the patient details screen see Section 8.

Export to Excel		Export to CSV		Export to PDF		Export to Word										
Details	Team / Provider		Patient		Mammogram						Patient Demographics					
	PACT Team	Provider Name	Last Name, First	VAID	Last MMG Date	Radiology Type	BI-RADS Code	Impression	Next MMG Due	Follow Up Notification	Follow Up Action	Ordering Provider	Age	Gender	Race	Phone Numbers
Details					06/09/2014 01:58 PM	Mammogram	1	Impression	06/09/2016				65	F	WHITE	Home: Work:

4.2. Mammograms Due

This report allows providers and coordinators to search for patients who are due for mammograms.

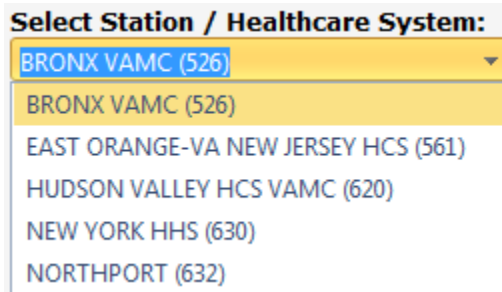
To run a Mammograms Due report

1. Click **Mammograms Due** on the BCR Dashboard.

2. Select the following filters:

- VISN: Select the VISN from the drop-down list
- Station/Healthcare System: Select the Station or Healthcare System from the list. The Facility ID will be shown in parentheses.

Select Station / Healthcare System:



BRONX VAMC (526)

BRONX VAMC (526)

EAST ORANGE-VA NEW JERSEY HCS (561)

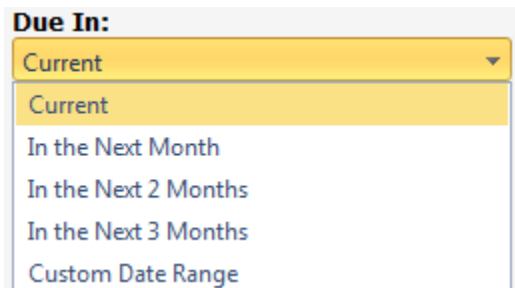
HUDSON VALLEY HCS VAMC (620)

NEW YORK HHS (630)

NORTHPORT (632)

- PACT Team: Click the check box next to each PACT to include in the search, or click **Check All** to include all PACTs. To narrow the list, type any portion of the name of the PACT and select from the resulting list of matches. (Default = All PACTs)
- Due In: Select the desired time period when the patient's mammogram is due. (Default = Current)

Due In:



Current


Current

In the Next Month

In the Next 2 Months

In the Next 3 Months

Custom Date Range

The Custom Date Range selection will bring up Start and End date fields. Use the calendar  icons to select the dates, or enter the dates in d/m/yyyy format. (Selecting an end date earlier than the start date will generate an error message.)

- Age Restriction: Select the desired age range. (Default = All)
- Mammogram Type: Select the type of mammogram, i.e., Screening, Diagnostic, Undetermined, or All. (Default = All)

Technical Notes used in Evaluating Mammogram Type

If an order exists for the mammogram, the current procedural terminology (CPT) code of the order is evaluated by the following:

- If code = (77052, 77057, G0202): The type is “Screening”
- If code = (77051, 77055, 77056, G0204, G0206): The type is “Diagnostic”

If an order does NOT exist the following criteria is used:

- Under the (40-74) age range, patient should not be "required" - diagnostic
WHEN ((Age < 40) AND (Mammogram Most Recent Screen Frequency IS NOT NULL)) THEN 'Diagnostic'
- Above (74) age range, patient should not be "required" to have a mammogram more frequently than 2 years – diagnostic
WHEN ((Age > 74) AND ((Mammogram Most Recent Screen Frequency < '2Yr' OR Mammogram Most Recent Screen Frequency IS NOT NULL))) THEN 'Diagnostic'
- If patient's last BI-RADS was 3 or greater – diagnostic
WHEN ((Age BETWEEN 40 and 74) AND BI-RADS Score >= 3) THEN 'Diagnostic'
- If patient in age range, has a screening frequency less than 1Yr - diagnostic
WHEN ((Age BETWEEN 40 and 74) AND (Mammogram Most Recent Screen Frequency < '1Yr' THEN 'Diagnostic'
- If patient is male THEN 'Diagnostic'

ELSE 'Screening'

- Patient Name: Enter the first or last name of the patient, or any portion of the name.
 - Gender: Select the gender. (Default = All)
 - Provider Name: Enter the first or last name of the provider, or any portion of the name.
3. After setting filters, click **Run Report**. (To reset the filters and begin a new search, click **Reset**.)
 4. To reset the filters and begin a new search, click **Reset**.

Viewing the report

The resulting report will display the results of the search in a grid format. The data can be exported to different file formats, including Excel, CSV, PDF, or Word.

- To export, click the **Export** button that corresponds to the desired file format. Type a name for the report (or keep the default name) and click **OK**.

The report can be sorted by column in ascending or descending order by clicking the up or down arrow in the column.

Export to Excel		Export to CSV		Export to PDF		Export to Word								
Details	Team / Provider		Patient		Mammogram			Orders	Patient Demographics					
	PACT Team	Provider Name	Last Name, First	VAID	Last MMG Date	BI-RADS Code	Next MMG Due	MMG Type	Order Information	Age	Gender	Race	Zip	Phone Numbers
Details						1		Screening	No order exists	68	F	WHITE		Home:
														Cell:
Details						2		Screening	Ordered / Not Scheduled	54	F	BLACK		Home:
														Cell:

- To view detailed patient information, click **Details**. For more information about the patient details screen see Section 8.

4.3. Ordered Pending

This report allows providers and coordinators to search for patients who have had mammograms ordered (but not yet completed), and the latest status.

To run an Ordered Pending report

- Click **Ordered Pending** on the BCR Dashboard.
- Select the following filters:
 - VISN: Select the VISN from the drop-down list
 - Station/Healthcare System: Select the Station or Healthcare System from the list. The Facility ID will be shown in parentheses.

Select Station / Healthcare System:

BRONX VAMC (526) ▼

BRONX VAMC (526)

EAST ORANGE-VA NEW JERSEY HCS (561)

HUDSON VALLEY HCS VAMC (620)

NEW YORK HHS (630)

NORTHPORT (632)

- PACT Team: Click the check box next to each PACT to include in the search, or click **Check All** to include all PACTs. To narrow the list, type any portion of the name of the PACT and select from the resulting list of matches. (Default = All PACTs)
- Date Range: Select the date range to search, i.e., an incomplete order older than 60 days, an incomplete order within the past 60 days, or a custom date range. (Default = Incomplete (60+ Days))


Date Range:

Incomplete (60+ Days) ▼

Incomplete (60+ Days)

Incomplete (0 - 60 Days)

Custom Date Range

The Custom Date Range selection will bring up Start and End date fields. Use the calendar  icons to select the dates, or enter the dates in d/m/yyyy format. (Selecting an end date earlier than the start date will generate an error message.)

- Show only Latest Entries: When this check box is selected, only the latest test ordered (for patients with multiple tests ordered) will be returned. To include all mammograms ordered, de-select the check box. (Default = Checked Box)
- Age Restriction: Select the desired age range. (Default = All)
- Mammogram Type: Select the type of mammogram, i.e., Screening, Diagnostic, Undetermined, or All. (Default = All)

Technical Notes used in Evaluating Mammogram Type

If an order exists for the mammogram, the CPT code of the order is evaluated by the following:

- If code = (77052, 77057, G0202): The type is “Screening”
- If code = (77051, 77055, 77056, G0204, G0206): The type is “Diagnostic”

If an order does NOT exist the following criteria is used:

- Under the (40-74) age range, patient should not be "required" - diagnostic
WHEN ((Age < 40) AND (Mammogram Most Recent Screen Frequency IS NOT NULL)) THEN 'Diagnostic'
- Above (74) age range, patient should not be "required" to have a mammogram more frequently than 2 years – diagnostic
WHEN ((Age > 74) AND ((Mammogram Most Recent Screen Frequency <> '2Yr' OR Mammogram Most Recent Screen Frequency IS NOT NULL))) THEN 'Diagnostic'
- If patient's last BI-RADS was 3 or greater – diagnostic
WHEN ((Age BETWEEN 40 and 74) AND BI-RADS Score >= 3) THEN 'Diagnostic'
- If patient in age range, has a screening frequency less than 1Yr - diagnostic
WHEN ((Age BETWEEN 40 and 74) AND (Mammogram Most Recent Screen Frequency < '1Yr' THEN 'Diagnostic'
- If patient is male THEN 'Diagnostic'

ELSE 'Screening'

- Patient Name: Enter the first or last name of the patient, or any portion of the name.
- Gender: Select the gender. (Default = All)
- Provider Name: Enter the first or last name of the provider, or any portion of the name.

- After setting filters, click **Run Report**. (To reset the filters and begin a new search, click **Reset**.)

Viewing the report

The resulting report will display the results of the search in a grid format.

Export to Excel		Export to CSV		Export to PDF		Export to Word									
Details	Team / Provider		Patient		Mammogram			Orders		Patient Demographics					
	PACT Team	Provider Name	Last Name, First	VA ID	Last MMG Date	BI-RADS Code	Next MMG Due	MMG Type	Order Desired Date	Order Information	Age	Gender	Race	Zip	Phone Numbers
Details						1	10/26/2014	Screening	01/02/2015 12:00 AM	Ordered / Not Scheduled Incomplete Order	57	F	UNKNOWN		Home: Work:
Details						No Score - Source: VDiagnosis	01/31/2015	Screening	01/15/2015 12:00 AM	Ordered / Not Scheduled Incomplete Order	47	F	UNKNOWN		Home: Work: Cell:

Technical Notes:

BI-RADS Code: *No Score – Source <source name>* is shown when a mammogram/test comes in from a non-Radiology source. In these cases there will not be an accompanying BI-RADS score.

Ordered Desired Date: The “Order Start Date” (in CDW), which is the date the physician recommended the test to occur.

Order Information:

If No Order Exists ==> 'No order exists'

If Order Status = 'PENDING' ==> 'Ordered / Not Scheduled'

If Order Status = 'SCHEDULED' AND the Order Start Date Time is not more than 2 months in the past ==> 'Ordered / Scheduled' with date and location

If Order Status = 'SCHEDULED' AND the Order Start Date Time IS more than 2 months in the past ==> 'Ordered / Scheduled' with date and location

If None of the Above (Hold, Active) ==> Display 'Hold' or 'Active'

If Order Status = 'SCHEDULED' OR 'ACTIVE' OR 'PENDING' AND the Order Start Date Time is more than 2 months in the past THEN "Order Overdue"

Incomplete Order = Order date more than 2 months past

The data can be exported to different file formats, including Excel, CSV, PDF, or Word.

- To export, click the **Export** button that corresponds to the desired file format. Type a name for the report (or keep the default name) and click **OK**.

The report can be sorted by column in ascending or descending order by clicking the up or down arrow in the column.

- To view detailed patient information, click **Details**. For more information about the patient details screen see Section 8.


4.4. Breast Biopsies / Surgeries

This report allows providers and coordinators to search for patients who have had biopsies and/or other surgical procedures, and to view results and follow-up care.

To run a Breast Biopsies / Surgeries report

1. Click **Breast Biopsies / Surgeries** on the BCR Dashboard.
2. Select the following filters:
 - VISN: Select the VISN from the drop-down list
 - Station/Healthcare System: Select the Station or Healthcare System from the list. The Facility ID will be shown in parentheses.

The image shows a dropdown menu with the title "Select Station / Healthcare System:". The menu is currently open, displaying a list of options. The first option, "BRONX VAMC (526)", is highlighted in yellow. The other options are "EAST ORANGE-VA NEW JERSEY HCS (561)", "HUDSON VALLEY HCS VAMC (620)", "NEW YORK HHS (630)", and "NORTHPORT (632)".

- PACT Team: Click the check box next to each PACT to include in the search, or click **Check All** to include all PACTs. To narrow the list, type any portion of the name of the PACT and select from the resulting list of matches. (Default = All PACTs)
- Start/End Dates: Click the calendar  icons to select the start and end dates of the query, or enter the date in m/d/yyyy format. (Selecting an end date earlier than the start date will generate an error message.) (Default = one year prior to the current date)
- Biopsy vs Surgery: Select the type of procedure to include in the search, i.e., only biopsies, only surgeries, or All. (Default = All)
- Procedure Code: Type the CPT or International Classification of Diseases (ICD-9) code into the text field.
- Patient Name: Enter the first or last name of the patient, or any portion of the name.
- Age Restriction: Select the desired age range. (Default = All)
- Gender: Select the gender. (Default = All)
- Race: Select the race. (Default = All)
- Provider Name: Enter the first or last name of the provider, or any portion of the name.
- Follow-Up Action (available in 2016, see Section 3.7): Select from the list to include only patients with a follow-up action, only those with no follow-up action, or All. (Default = All)

- After setting filters, click **Run Report**. (To reset the filters and begin a new search, click **Reset**.)

Viewing the report

The resulting report will display the results of the search in a grid format. The data can be exported to different file formats, including Excel, CSV, PDF, or Word.

- To export, click the **Export** button that corresponds to the desired file format. Type a name for the report (or keep the default name) and click **OK**.

The report can be sorted by column in ascending or descending order by clicking the up or down arrow in the column.

- To view report details if available, hover the cursor over the **Report** link.
- To view pathology details if available, hover the cursor over the **Pathology** link.
- To view tumor registry information if available, hover the cursor over the **Tumor Registry Data** link.
- To view detailed patient information, click **Details**. For more information about the patient details screen see Section 8.

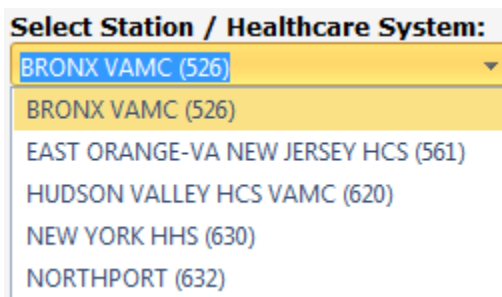
Export to Excel Export to CSV Export to PDF Export to Word																	
Details	Team / Provider		Patient					Biopsy vs Surgery	Date	Procedure	Report	Other Data					
	FACT Team	Provider Name	Last Name, First	VAD	Age	Gender	Race					Last MMG Date	BI-RADS Code	Follow Up Notification	Follow Up Action	Tumor Registry Data	Pathology
Details					44	F	UNKNOWN	Biopsy	05/06/2014 12:44 PM	19083	View Report Date	05/15/2013 01:32 PM	3				View Pathology Report Data
Details					58	F	BLACK	Biopsy		19281	View Report Date		No Score - Source: Radiology				


4.5. Breast Cancer

This report allows providers and coordinators to search for patients who have had a breast cancer diagnosis, and to view details of diagnosis and follow-up care.

To run a Breast Cancer report

1. Click **Breast Cancer** on the BCR Dashboard, under Standard Reports.
2. Select the following filters:
 - VISN: Select the VISN from the drop-down list
 - Station/Healthcare System: Select the Station or Healthcare System from the list. The Facility ID will be shown in parentheses.



- PACT Team: Click the check box next to each PACT to include in the search, or click **Check All** to include all PACTs. To narrow the list, type any portion of the name of the PACT and select from the resulting list of matches. (Default = All PACTs)
 - Start/End Dates: Click the calendar  icons to select the start and end dates of the query, or enter the date in m/d/yyyy format. (Selecting an end date earlier than the start date will generate an error message.) (Default = one year prior to the current date)
 - Patient Name: Enter the first or last name of the patient, or any portion of the name.
 - Age Restriction: Select the desired age range. (Default = All)
 - Gender: Select the gender. (Default = All)
 - Race: Select the race. (Default = All)
 - Provider Name: Enter the first or last name of the provider, or any portion of the name.
 - Follow-Up Action (available in 2016, see Section 3.7): Select from the list to include only patients with a follow-up action, only those with no follow-up action, or All. (Default = All)
3. After setting filters, click **Run Report**. (To reset the filters and begin a new search, click **Reset**.)

Viewing the report

The resulting report will display the results of the search in a grid format. The data can be exported to different file formats, including Excel, CSV, PDF, or Word.

- To export, click the **Export** button that corresponds to the desired file format. Type a name for the report (or keep the default name) and click **OK**.

The report can be sorted by column in ascending or descending order by clicking the up or down arrow in the column.

- To view the specific breast cancer diagnosis, hover the cursor over the **Breast Cancer Dx** link.
- To view BRCA gene information, hover the cursor over the **BRCA Status** link.
- To view pathology details if available, hover the cursor over the **Pathology** link. To view Tumor Registry data (obtained from the VA Central Cancer Registry) if available, hover the cursor over the **Tumor Registry Data** link.
- To view additional information about treatment, including chemotherapy medication, radiation therapy, or hormone therapy, hover the cursor over the corresponding treatment link.
- To view detailed patient information, click **Details**. For more information about the patient details screen see Section 8.

Export to Excel				Export to CSV				Export to PDF				Export to Word						
Details	Team / Provider		Patient					Breast Cancer			BRCA Status	Follow Up Notification	Follow Up Action	Tumor Registry Data	Treatment			
	FACT Team	Provider Name	Last Name, First	VAID	Age	Gender	Race	Zip Code	Breast Cancer Dx	Pathology Report Data					Stage	Chemo Data	Radiation Data	Hormone Therapy Data
Details					43	F	BLACK		View Breast Cancer Dx									
Details					51	F	BLACK		View Breast Cancer Dx	View Pathology Data	III			View Tumor Registry Data	View Chemo Data		View Radiation Data	View Hormone Therapy Data
Details					41	F	BLACK		View Breast Cancer Dx									
Details					53	F	BLACK		View Breast Cancer Dx	View Pathology Data	II			View Tumor Registry Data	View Chemo Data	View Radiation Data		
Details					54	F	BLACK		View Breast Cancer Dx	View Pathology Data	I			View Tumor Registry Data	View Chemo Data			

5. Aggregate Reports

Aggregate reports allow BCR users to view statistical summaries and overviews of patient information filtered by the desired criteria. Reports can be further refined to view statistical information by facility, race, and age. Aggregate reports also provide the ability to view individual patient information.


Patient Eligibility: BCR includes all Veterans and non-Veterans who have actively been seen within the last 3 years, **excluding** males who have no mammography data and female non-Veterans who have no mammography data.

Ethnicity: The Hispanic ethnicity includes all Hispanic patients, including those identified as Hispanic Black, Hispanic White, and Hispanic/Latino.

5.1. All Mammograms w/BI-RADS Distribution

This aggregate report allows providers and coordinators to review BI-RADS scores for mammogram reports by VISN and facility.

To run an All Mammograms w/BI-RADS Distribution report

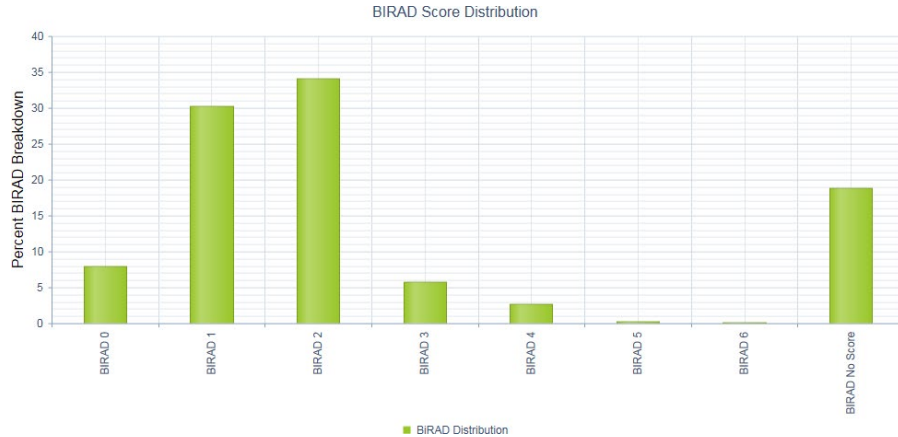
1. Click **All Mammograms w/BI-RADS Distribution** on the BCR Dashboard.
2. Select the following filters:
 - **VISN:** Select the VISN from the drop-down list. Multiple VISNs can be selected, as well as all VISNs.
 - **Start/End Dates:** Click the calendar  icons to select the start and end dates of the query, or enter the date in m/d/yyyy format. (Selecting an end date earlier than the start date will generate an error message.) (Default = one year prior to the current date)
 - **Age Restriction:** Select the desired age range' (Default = All)
 - **Gender:** Select the gender. (Default = All)
 - **Race:** Select the race. (Default = All)
3. After setting filters, click **Run Report**. (To reset the filters and begin a new search, click **Reset**.)

Viewing the report

The resulting report displays the results of the search in a grid format. The information includes the name of each facility and VISN, and the total mammograms performed at each facility.

The grid also lists the breakdown of results by BI-RADS score (0 – 6), and the percentage of mammograms that the facility performs in relation to other facilities in the same VISN.

A bar graph also displays the breakdown of BI-RADS codes. Hover the cursor over a code to view additional details.



The data can be exported to different file formats, including Excel, CSV, PDF, or Word. The report can be sorted by column in ascending or descending order by clicking the up or down arrow in the column.


- To export, click the **Export** button that corresponds to the desired file format. Type a name for the report (or keep the default name) and click **OK**.
- To view the patient list for the facility, click **View More** (requires the appropriate user permissions).

Export to Excel				Export to CSV				Export to PDF				Export to Word			
Details	Facility Name	Facility ID	VISN	Total MMG in Facility	Bi-RADS Distribution								VISN Percentage		
					Bi-RADS 0	Bi-RADS 1	Bi-RADS 2	Bi-RADS 3	Bi-RADS 4	Bi-RADS 5	Bi-RADS 6	No Bi-RADS Score			
View More				3805	460 (12.09%)	1926 (50.62%)	1068 (28.07%)	214 (5.62%)	96 (2.52%)	23 (0.6%)	16 (0.42%)	2 (0.05%)	29.4		
View More				1357	121 (8.92%)	74 (5.45%)	1032 (76.05%)	73 (5.38%)	22 (1.62%)	6 (0.44%)	0 (0%)	29 (2.14%)	10.48		
View More				1325	178 (13.43%)	512 (38.64%)	437 (32.98%)	84 (6.34%)	49 (3.7%)	3 (0.23%)	3 (0.23%)	59 (4.45%)	10.24		
View More				1166	105 (9.01%)	441 (37.82%)	458 (39.28%)	59 (5.06%)	24 (2.06%)	6 (0.51%)	1 (0.09%)	72 (6.17%)	9.01		
View More				2376	224 (9.43%)	744 (31.31%)	1048 (44.11%)	233 (9.81%)	65 (2.74%)	5 (0.21%)	3 (0.13%)	54 (2.27%)	18.36		
View More				2033	317 (15.59%)	720 (35.42%)	864 (42.5%)	44 (2.16%)	38 (1.87%)	4 (0.2%)	0 (0%)	46 (2.26%)	15.71		
View More				480	17 (3.54%)	41 (8.54%)	113 (23.54%)	13 (2.71%)	4 (0.83%)	0 (0%)	0 (0%)	292 (60.83%)	3.71		
View More				402	50 (12.44%)	95 (23.63%)	201 (50%)	13 (3.23%)	4 (1%)	1 (0.25%)	0 (0%)	38 (9.45%)	3.11		
Total:				12944	1472	4553	5221	733	302	48	23	592			

5.1.1. All Mammograms w/BI-RADS Distribution by Facility

The All Mammograms w/BI-RADS Distribution page also allows users to view information specific to each facility.

To run an All Mammograms w/BI-RADS Distribution by Facility report

1. Click the **View More** link in the Details column for the desired facility.
2. Select the following filters:
 - Start/End Dates: Click the calendar  icons to select the start and end dates of the query, or enter the date in m/d/yyyy format. (Selecting an end date earlier than the

start date will generate an error message.) (Default = one year prior to the current date)

- **PACT Team:** Click the check box next to each PACT to include in the search, or click **Check All** to include all PACTs. To narrow the list, type any portion of the name of the PACT and select from the resulting list of matches. (Default = All PACTs)
 - **Show only Latest Entries:** When this check box is selected, only the latest test (for patients with multiple tests) will be returned. To include all tests, de-select the check box. (Default = Checked Box)
 - **Show Only Mammograms:** Click this check box to view only mammograms. When de-selected, ultrasounds and MRIs are displayed in addition to mammograms. (Default = Unchecked Box)
 - **BI-RADS Codes:** Select the desired BI-RADS codes (1 – 6) to include in the search, or click. (Default = All Items Checked)
 - **Age Restriction:** Select the desired age range. (Default = All)
 - **Patient Name:** Enter the first or last name of the patient, or any portion of the name.
 - **Gender:** Select the gender. (Default = All)
 - **Race:** Select the race. (Default = All)
 - **Provider Name:** Enter the first or last name of the provider, or any portion of the name.
 - **Follow-Up Action** (available in 2016, see Section 3.7): Select from the list to include only patients with a follow-up action, only those with no follow-up action, or All. (Default = All)
3. After setting filters, click **Run Report**. (To reset the filters and begin a new search, click **Reset**.)

Viewing the report

The resulting report will display the results of the search in a grid format. The data can be exported to different file formats, including Excel, CSV, PDF, or Word.

- To export, click the **Export** button that corresponds to the desired file format. Type a name for the report (or keep the default name) and click **OK**.

The report can be sorted by column in ascending or descending order by clicking the up or down arrow in the column.

Export to Excel Export to CSV Export to PDF Export to Word

Details	Team / Provider		Patient		Mammogram						Patient Demographics			
	PACT Team	Provider Name	Last Name, First	VAID	Last MMG Date	Radiology Type	BI-RADS Code	Next MMG Due	Follow Up Notification	Follow Up Action	Ordering Provider	Age	Race	Gender
Details					10/31/2014 01:07 PM	Ultrasound	3	02/28/2015		Follow-Up Action		52	BLACK	F
Details					10/31/2014 01:07 PM	Mammogram	3	02/28/2015		Follow-Up Action		52	BLACK	F
Details					11/18/2014 02:19 PM	Ultrasound	4	04/04/2033	Follow-Up Notification	Follow-Up Action		32	BLACK	F
Details					11/18/2014 11:22 AM	Mammogram	4	04/04/2033	Follow-Up Notification	Follow-Up Action		32	BLACK	F
Details					12/26/2014 12:34 PM	Ultrasound	4	03/21/2027	Follow-Up Notification	Follow-Up Action		38	WHITE	F
Details					12/26/2014 11:55 AM	Mammogram	4	03/21/2027	Follow-Up Notification	Follow-Up Action		38	WHITE	F
Details					03/19/2015 09:52 AM	Mammogram	1	03/19/2016				43	BLACK	F

- To view detailed patient information, click **Details**. For more information about the patient details screen see Section 8.

5.2. Mammogram Compliance

This aggregate report allows providers and coordinators to review mammogram compliance rates by VISN and facility.

In BCR, the age limits for “compliance” are only applicable for women between the ages of 50 and 74. Data is captured for men and women outside of this age range as well, but this data is not included in the compliance reports.

The criteria for Compliant, Non-Compliant, and Not Applicable are as follows:

Compliant:

- Non-deceased women between the ages of 50 and 74
- And-
- Do not have one of more of the following:
 - Bi-Lateral Mastectomy
 - Terminal Health Factor
 - Mammogram Exclusion Health Factor
- And-
- Have had a mammogram performed within the last 2 years

Non-Compliant:

- Non-deceased women between the ages of 52 and 74 (women between the ages of 50 – 51 are still in window for their first mammogram, and so are considered compliant)
- And-
- Do not have one of more of the following:
 - Bi-Lateral Mastectomy
 - Terminal Health Factor

- Mammogram Exclusion Health Factor

-And-

- Have not had a mammogram performed in the last 2 years.

Not Applicable:

- Women outside of the 50 – 74 age range

-Or-

- Have one of more of the following:
 - Bi-Lateral Mastectomy
 - Terminal Health Factor
 - Mammogram Exclusion Health Factor

-Or-

- Are deceased

Table 3. Mammogram Compliance Matrix

Patient Age	Mammogram Completed?	Compliance?
50	Yes	Yes
50	No	Yes
51	Yes	Yes
51	No	Yes
52 – 74	Yes	Yes
52 – 74	No	No
75 or >	N/A	N/A

To run a Mammogram Compliance report

1. Click **Mammogram Compliance** on the BCR Dashboard.
2. Select the following filters:
 - **VISN:** Select the VISN from the drop-down list. Multiple VISNs can be selected, as well as all VISNs.
 - **Current or Historical Data:** Select the type of data to search, i.e., Current (default, signifying compliance rates to date), or Historical (snapshots of compliance data for the indicated month and year). (Default = Current)
 - **Age Restriction:** Select the desired age range. (Default = All)
 - **Race:** Select the race. (Default = All)
3. After setting filters, click **Run Report**. (To reset the filters and begin a new search, click **Reset**.)

Viewing the report

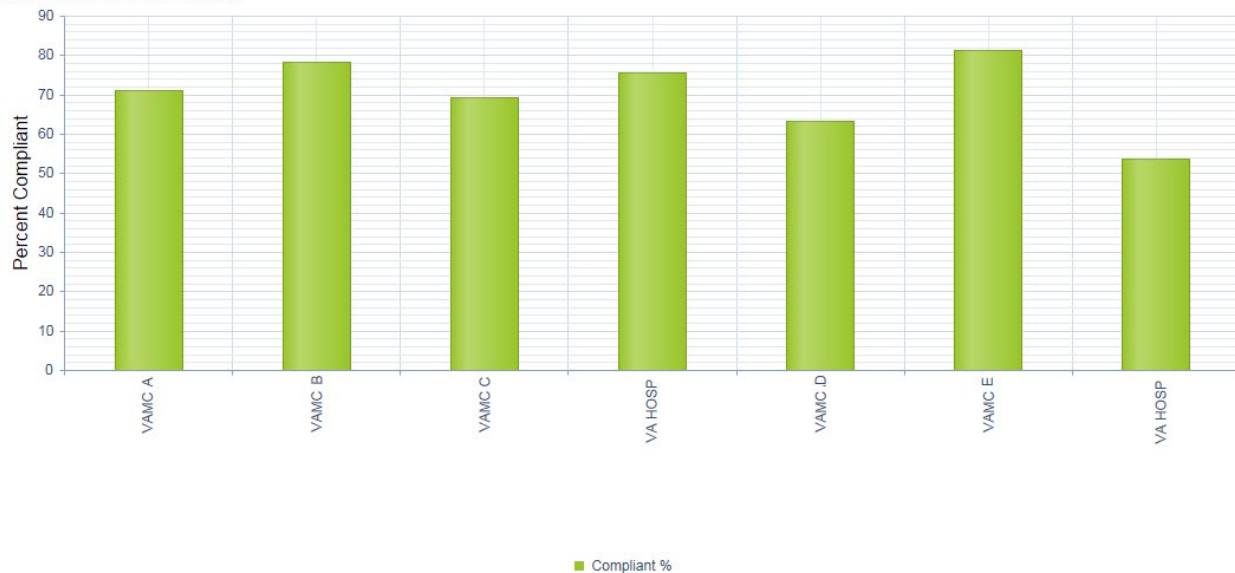
The resulting report displays the results of the search in a grid format. The information includes total number of patients (applicable and not applicable), as well as the total number and percentage of compliant and non-compliant patients.

Export to Excel Export to CSV Export to PDF Export to Word

Details ▾	Data Date ▾	Institution			Breakdown						
		VISN ▾	Facility Name ▾	Facility ID ▾	Compliant ▾	Compliant % ▾	Non-Compliant ▾	Non-Compliant % ▾	Total Applicable ▾	Total Applicable % ▾	Not Applicable ▾
View More	Current	VISN			3402	68.69%	1551	31.31%	4953	98.35%	83
View More	Current	VISN			1419	76.99%	424	23.01%	1843	98.19%	34
View More	Current	VISN			1626	75.10%	539	24.90%	2165	98.19%	40
View More	Current	VISN			1331	66.58%	668	33.42%	1999	97.56%	50
View More	Current	VISN			2001	83.17%	405	16.83%	2406	98.69%	32
View More	Current	VISN			1998	65.62%	1047	34.38%	3045	98.80%	37
View More	Current	VISN			803	59.44%	548	40.56%	1351	99.27%	10
View More	Current	VISN			422	72.51%	160	27.49%	582	99.83%	1
					13002		5342		18344		287

A bar graph also displays the breakdown of compliance rates by facility. Hover the cursor over a facility to view additional details about that facility.

Showing all facilities in report



The data can be exported to different file formats, including Excel, CSV, PDF, or Word. The report can be sorted by column in ascending or descending order by clicking the up or down arrow in the column.

- To export, click the **Export** button that corresponds to the desired file format. Type a name for the report (or keep the default name) and click **OK**.
- To view the list of patients for the facility, click **View More** (requires the appropriate user permissions).

5.2.1. Mammogram Compliance by Facility

The Mammogram Compliance page also allows users to view information specific to each facility.

To run a Mammogram Compliance by Facility report

1. Click the **View More** link in the Details column for the desired facility.

Export to Excel Export to CSV Export to PDF Export to Word											
Details	Data Date	Institution			Breakdown						
		VISN	Facility Name	Facility ID	Compliant	Compliant %	Non-Compliant	Non-Compliant %	Total Applicable	Total Applicable %	Not Applicable
View More	Current	VISN			3402	68.69%	1551	31.31%	4953	98.35%	83
View More	Current	VISN			1419	76.99%	424	23.01%	1843	98.19%	34
View More	Current	VISN			1626	75.10%	539	24.90%	2165	98.19%	40
View More	Current	VISN			1331	66.58%	668	33.42%	1999	97.56%	50
View More	Current	VISN			2001	83.17%	405	16.83%	2406	98.69%	32
View More	Current	VISN			1998	65.62%	1047	34.38%	3045	98.80%	37
View More	Current	VISN			803	59.44%	548	40.56%	1351	99.27%	10
View More	Current	VISN			422	72.51%	160	27.49%	582	99.83%	1
					13002		5342		18344		287

2. Select the following filters:
 - Compliance Status: Select All , Yes (compliant), No (non-compliant) or N/A. (Default = All)
 - Age Restriction: Select the desired age range. (Default = All)
 - Race: Select the race. (Default = All)
3. After setting filters, click **Run Report**. (To reset the filters and begin a new search, click **Reset**.)

Viewing the report

The resulting report will display the results of the search in a grid format. The data can be exported to different file formats, including Excel, CSV, PDF, or Word. The report can be sorted by column in ascending or descending order by clicking the up or down arrow in the column.

- To export, click the **Export** button that corresponds to the desired file format. Type a name for the report (or keep the default name) and click **OK**.
- To view the list of patients for the facility, click **Details** (requires the appropriate user permissions).

Export to Excel Export to CSV Export to PDF Export to Word														
Details	Team / Provider		Patient			Mammogram					Patient Demographics			
	PACT Team	Provider Name	Last Name, First	VAID	Compliant	Last MMG Date	BI-RADS Code	Next MMG Due	Follow Up Notification	Follow Up Action	Age	Gender	Race	Phone Numbers
Details					No		No Score	10/01/2010			63	F	WHITE	Home: Cell:
Details					Yes		No Score	10/10/2015			53	F	UNKNOWN	Home: Cell:
Details					Yes		No Score	10/10/2015			53	F	UNKNOWN	Home: Cell:
Details					Yes		No Score	08/01/2015			62	F	BLACK	Home: Cell:

5.2.2. Mammogram Compliance by Age

The Mammogram Compliance page also provides the ability to review compliance rates by age.

To create a Mammogram Compliance by Age report

1. Click the **Mammogram Compliance by Age** link under Additional Views.

REPORTS > MAMMOGRAMS COMPLIANCE

Search Filters:

Run Report Reset

Select VISN(s):
VISN Selection

Select Current or Historical Data:
Current

Age Restriction:
All

Race:
All

Run Report Reset

Additional Slicer Views:

[Mammogram Compliance By Age](#)

[Mammogram Compliance By Race](#)

2. VISN: Select the VISN. Multiple VISNs can be selected, or all VISNs.
3. Click **Run Report**. (To reset the filters and begin a new search, click **Reset**.)

Viewing the report

The resulting report displays compliance rates broken down by age. The data can be exported to different file formats, including Excel, CSV, PDF, or Word.

- To export, click the **Export** button that corresponds to the desired file format. Type a name for the report (or keep the default name) and click **OK**.

Clicking on a column header will sort the results by that category.

- Click the **View More** link to view compliance rates by facility, as described in Section 5.2.1.

		Export to Excel	Export to CSV	Export to PDF	Export to Word
Details	Facility Name	Facility ID	Age 50-60 (%)	Age 61-64 (%)	Age 65-74 (%)
View More			77.62%	70.78%	65.31%
View More			80.66%	70.18%	74.51%
View More			72.70%	78.87%	71.52%
View More			67.49%	60.98%	54.11%
View More			75.33%	72.92%	60.65%
View More			75.41%	69.91%	67.42%
View More			70.59%	64.62%	62.52%
View More			79.26%	73.86%	69.37%

5.2.3. Mammogram Compliance by Race

The Mammogram Compliance page also provides the ability to review compliance rates by race.

Note that the Hispanic ethnicity includes all Hispanic patients, including those identified as Hispanic Black, Hispanic White, and Hispanic/Latino.

To create a Mammogram Compliance by Race report

1. Click the **Mammogram Compliance by Race** link under Additional Views.

REPORTS > MAMMOGRAMS COMPLIANCE

Search Filters:

Run Report Reset

Select VISN(s):
VISN Selection

Select Current or Historical Data:
Current

Age Restriction:
All

Race:
All

Run Report Reset

Additional Slicer Views:

[Mammogram Compliance By Age](#)
[Mammogram Compliance By Race](#)

2. VISN: Select the VISN. Multiple VISNs can be selected, or all VISNs.
3. Click **Run Report**. (To reset the filters and begin a new search, click **Reset**.)

Viewing the report

The resulting report displays compliance rates broken down by race. The data can be exported to different file formats, including Excel, CSV, PDF, or Word.

- To export, click the **Export** button that corresponds to the desired file format. Type a name for the report (or keep the default name) and click **OK**.

Clicking on a column header will sort the results by that category.

- Click the **View More** link to view compliance rates by facility, as described in Section 5.2.1.

		Export to Excel	Export to CSV	Export to PDF	Export to Word					
Details	Facility Name	Facility ID	AMERICAN INDIAN OR ALASKAN NATIVE (%)	ASIAN OR PACIFIC ISLANDER (%)	BLACK (%)	HISPANIC (%)	NATIVE HAWAIIAN OR OTHER PACIFIC ISLANDER (%)	UNKNOWN (%)	WHITE (%)	
View More			91.30%	78.57%	80.31%	68.18%	81.82%	60.29%	74.07%	
View More			62.50%	100.00%	78.72%	70.00%	87.50%	70.18%	77.53%	
View More				100.00%	70.00%	100.00%	100.00%	81.48%	73.62%	
View More			75.00%	100.00%	61.54%	61.29%	83.33%	57.54%	65.48%	
View More			50.00%	100.00%	73.05%	72.22%	62.50%	68.10%	73.63%	
View More			46.15%	100.00%	72.64%	64.71%	50.00%	69.70%	73.03%	

5.3. Breast Cancer

This aggregate report allows providers and coordinators to review the number of patients with a breast cancer diagnosis by VISN and facility.

To run a Breast Cancer report

1. Click **Breast Cancer** on the BCR Dashboard, under Aggregate Reports.
2. Select the following required filter:
 - VISN: Select the VISN from the drop-down list. Multiple VISNs can be selected, as well as all VISNs.
3. Select the following additional filters:
 - Age Restriction: Select the desired age range. (Default = All)
 - Gender: Select the gender. (Default = All)
 - Race: Select the race. (Default = All)
4. After setting filters, click **Run Report**. (To reset the filters and begin a new search, click **Reset**.)

Viewing the report

The resulting report displays the results of the search in a grid format. The information includes the name and ID of each facility, as well as patient counts for breast cancer diagnosis.

The data can be exported to different file formats, including Excel, CSV, PDF, or Word. The report can be sorted by column in ascending or descending order by clicking the corresponding column header.

- To export, click the **Export** button that corresponds to the desired file format. Type a name for the report (or keep the default name) and click **OK**.
- To view the list of patients for the facility, click **View More** (requires the appropriate user permissions).

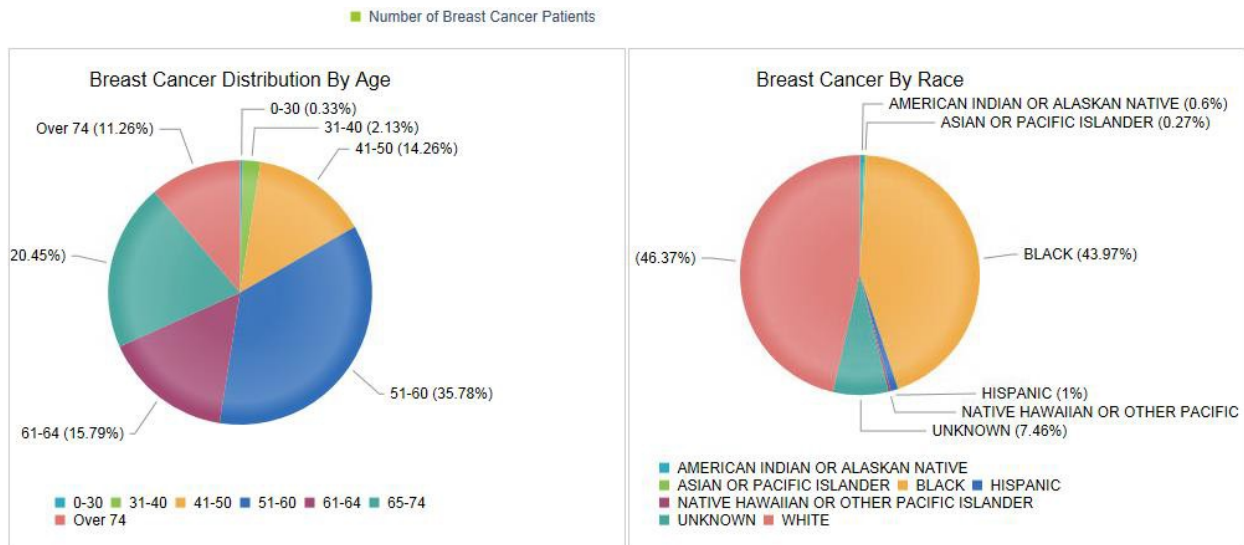
Export to Excel Export to CSV Export to PDF Export to Word

Details	Facility Name	Facility ID	Total Facility Patient Count in Registry	Facility Female Patient Count in Registry	Facility Male Patient Count in Registry	Total Breast Cancer Patient Count in Registry **	New Diagnosis (Last 12 mo.)	Breast Cancer Patients Seen in Last 12 mo.?
View More			94	94	0	1	0	1
View More			317	303	14	1	1	1
View More			483	475	8	10	4	10
View More			246	235	11	4	3	4
View More			199	196	3	1	1	1
View More			253	250	3	6	5	6
View More			443	436	7	8	4	8
View More			225	224	1	3	0	2
View More			1675	1629	46	30	12	29

A bar graph also displays the breakdown of breast cancer diagnosis by facility. Hover the cursor over a facility to view additional details about that facility.



Pie charts indicate breast cancer diagnosis by age and race. Hover the cursor over a category to view additional details about that demographic.



5.3.1. Breast Cancer by Facility

The Breast Cancer page also allows users to view information specific to each facility.

To run a Breast Cancer by Facility report

1. Click the **View More** link in the Details column for the desired facility.
2. Select the following filters:
 - Age Restriction: Select the desired age range. (Default = All)
 - Gender: Select the gender. (Default = All)
 - Race: Select the race. (Default = All)
 - New Diagnosis: Select the diagnosis type, i.e., Yes (diagnosed within the last 12 months), No (not diagnosed within the last 12 months) or All. (Default = All)
3. After setting filters, click **Run Report**. (To reset the filters and begin a new search, click **Reset**.)

Viewing the report

The resulting report will display the results of the search in a grid format. The data can be exported to different file formats, including Excel, CSV, PDF, or Word. The report can be sorted by column in ascending or descending order by clicking the corresponding column header.

- To export, click the **Export** button that corresponds to the desired file format. Type a name for the report (or keep the default name) and click **OK**.
- To view detailed patient information, click **Details**.


		Export to Excel	Export to CSV	Export to PDF	Export to Word		
Details	Patient Name	Total Number of Cancer Dx	Number Dx this Year (last 12 mo)	Number of Dx older than 1 year	Number of Visits this Year (last 12 mo)	Seen in this Year? (last 12 mo)	New Diagnosis
Details		2	1	1	0	No	No
Details		2	1	1	0	No	No
Details		4	2	2	0	No	No
Details		3	2	1	0	No	No
Details		2	1	1	0	No	No
Details		2	1	1	0	No	No
Details		4	1	3	0	No	No
Details		6	3	3	0	No	No
Total:					0	Primary Care, Nexus Clinic, and Women's Health	

5.4. Mammograms Follow-Up Compliance

This aggregate report allows providers and coordinators to view information about whether follow-up action and patient communication has occurred for all mammogram results.

See Section 5.2 for information on the criteria used to determine compliance.

To run a Mammograms Follow-Up Compliance report

1. Click **Mammograms Follow-Up Compliance** on the BCR Dashboard.
2. Select the following filters:
 - **VISN:** Select the VISN from the drop-down list. Multiple VISNs can be selected, as well as all VISNs.
 - **Start/End Dates:** Click the calendar  icons to select the start and end dates of the query, or enter the date in m/d/yyyy format. (Selecting an end date earlier than the start date will generate an error message.) (Default one year prior to the current date)
 - **Race:** Select the race (Default = All).
3. After setting filters, click **Run Report**. (To reset the filters and begin a new search, click **Reset**.)

Viewing the report

The resulting report displays the results of the search in a grid format. The information includes the name and ID of each facility, as well as patient counts and percentages for compliance and non-compliance with follow-up.

The data can be exported to different file formats, including Excel, CSV, PDF, or Word. The report can be sorted by column in ascending or descending order by clicking the corresponding column header.

- To export, click the **Export** button that corresponds to the desired file format. Type a name for the report (or keep the default name) and click **OK**.
- To view the list of patients for the facility, click **View More** (requires the appropriate user permissions).

Export to Excel Export to CSV Export to PDF Export to Word								
Details	Institution			Breakdown				
	VISN	Facility Name	Facility ID	Total Count	Compliant	Compliant %	Non-Compliant	Non-Compliant %
View More	VISN			3964	13	0.33%	3951	99.67%
View More	VISN			1404	0	0.00%	1404	100.00%
View More	VISN			1374	0	0.00%	1374	100.00%
View More	VISN			2481	0	0.00%	2481	100.00%
View More	VISN			2125	0	0.00%	2125	100.00%
View More	VISN			496	0	0.00%	496	100.00%
View More	VISN			1195	0	0.00%	1195	100.00%
View More	VISN			413	0	0.00%	413	100.00%
Total:				13452	13		13439	


A bar graph also displays the breakdown of compliance rates by facility. Hover the cursor over a facility to view additional details about that facility.

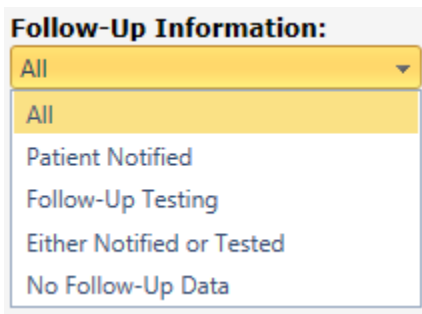


5.4.1. Mammogram Follow-Up Compliance by Facility

The Mammogram Follow-Up Compliance page also allows users to view mammogram compliance follow-up information by facility.

To run a Mammogram Follow-Up Compliance by Facility report

1. Click the **View More** link in the Details column for the desired facility.
2. Select the following filters:
 - Start/End Dates: Click the calendar  icons to select the start and end dates of the query, or enter the date in m/d/yyyy format. (Selecting an end date earlier than the start date will generate an error message.) (Default = one year prior to the current date)
 - Race: Select the race (Default = All).
 - Follow-Up Information: Select the type of patient follow-up action taken. (Default = All)



3. After setting filters, click **Run Report**. (To reset the filters and begin a new search, click **Reset**.)

Viewing the report

The resulting report will display the results of the search in a grid format. The data can be exported to different file formats, including Excel, CSV, PDF, or Word.

- To export, click the **Export** button that corresponds to the desired file format. Type a name for the report (or keep the default name) and click **OK**.

The report can be sorted by column in ascending or descending order by clicking the corresponding column header.

- To view information about follow-up notifications or actions taken, hover the cursor over the link to display the note as a tooltip.
- To view detailed patient information, click **Details**.

[Export to Excel](#)
[Export to CSV](#)
[Export to PDF](#)
[Export to Word](#)

Details	Team / Provider		Patient		Mammogram							Patient Demographics			
	PACT Team	Provider Name	Last Name, First	VAID	Last MMG Date	Radiology Type	BI-RADS Code	Next MMG Due	Follow Up Notification	Follow Up Action	Ordering Provider	Age	Gender	Race	Phone Numbers
Details						Mammogram	1	03/19/2016				43	F	BLACK	
Details						Mammogram	1	10/01/2016				50	F	BLACK	
Details						Mammogram	4	03/21/2007	Follow-Up Notification	Follow-Up Action		38	F	WHITE	
Details						Ultrasound	4	03/21/2007	Follow-Up Notification	Follow-Up Action		38	F	WHITE	

6. Ad Hoc Reporting Dashboard

The Ad Hoc Reporting Dashboard allows users to create templates for BCR database searches and queries with customized parameters.

- To open the Ad Hoc Reporting Dashboard, click **Ad Hoc Reporting Dashboard** from the menu on the main BCR Dashboard page.

The Ad Hoc Reporting Dashboard provides a list of pre-defined system templates, any of which can be used as the starting point for the custom query. Alternatively, queries can be created from a new, blank template.

- To preview a system template, click the **Execute** link for the report. This will display the report as a grid in the preview area. The report can be sorted by column in ascending or descending order by clicking the corresponding column header.

The data can be exported to different file formats, including Excel, CSV, PDF, or Word.

- To export, click the **Export** button that corresponds to the desired file format. Type a name for the report (or keep the default name) and click **OK**.

Create New Report Template

My Templates

Clone	Edit	Delete	Report Name	Created Date	Updated Date	Last Executed	Execute
Clone			Breast Biopsy and Surgery Report (System Template)	4/8/2015 10:10:55 AM	4/21/2015 7:39:38 AM	4/29/2015 3:59:55 PM	Execute
Clone			Breast Cancer Report (System Template)	4/8/2015 10:15:17 AM	4/21/2015 7:45:19 AM	4/29/2015 7:52:04 AM	Execute
Clone			Mammogram Report by Facility (System Template)	4/8/2015 10:06:48 AM	4/21/2015 7:35:10 AM	4/28/2015 12:27:21 PM	Execute
Clone			Mammograms Due Report (System Template)	4/21/2015 7:57:48 AM	4/21/2015 7:57:48 AM	4/28/2015 12:11:02 PM	Execute
Clone			Oncology Report (System Template)	4/21/2015 8:22:01 AM	4/21/2015 8:22:01 AM	4/21/2015 2:06:26 PM	Execute
Clone			Ordered Pending Report (System Template)	4/8/2015 10:29:50 AM	4/21/2015 8:19:12 AM	4/28/2015 12:42:49 PM	Execute

Page size: 10 9 items in 1 pages

Preview Area

Export Options: [Export to Excel](#) [Export to CSV](#) [Export to PDF](#) [Export to Word](#)

bcr.PatientSID	bcr.StaIn	bcr.PCMMTeam	bcr.PCMMStaName	bcr.PatientLastName	bcr.PatientFirstName	bcr.VAID	bcr.Age	bcr.Gender	bcr.Race	SurgBop.Type	SurgBop.Event_Date	SurgBop.Procedure	SurgBop.Report
							47	F	BLACK	Surgery		19371	CPT 19371: PERIPROSTHETIC CAPSULECTOMY, BREAST
							47	F	BLACK	Surgery		19371	CPT 19371: PERIPROSTHETIC CAPSULECTOMY, BREAST
							51	F	BLACK	Surgery		19307	CPT 19307: MASTECTOMY, MODIFIED RADICAL, INCLUDING AXILLARY LYMPH NODES, WITH OR WITHOUT PECTORALIS MINOR MUSCLE, BUT EXCLUDING PECTORALIS MAJOR MUSCLE
							48	F	BLACK	Surgery		19120	CPT 19120: EXCISION OF CYST, FIBROADENOMA, OR OTHER BENIGN OR MALIGNANT TUMOR,

To create a report template

1. Click the **Clone** link for the corresponding system template.

-or-

Click the **Create New Report Template** button.

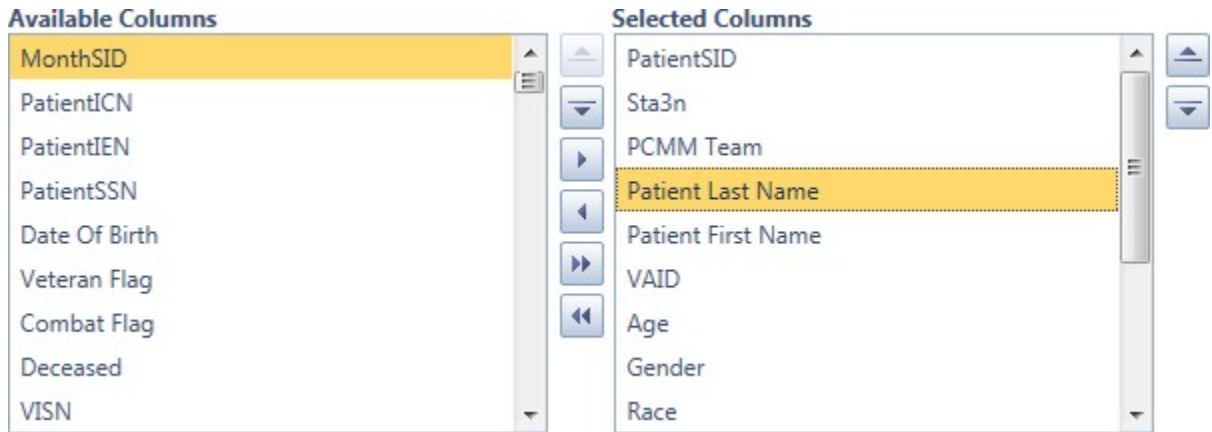
This will open the BCR Ad Hoc Report Template Creation System.







The screenshot shows the top navigation bar with the path: REPORTING HOME > AD HOC DASHBOARD > AD HOC REPORTING ADMINISTRATION (v2). Below the navigation bar, the page title is "Ad hoc Reporting Administration". A progress bar at the top indicates four steps: Introduction (highlighted in yellow), 1.) Report Template Name, 2.) Column Selection, 3.) Filters, and 4.) Preview. The main content area contains the text: "Welcome to the BCR Ad Hoc Report Template Creation System. In the following screens, you will be able to create custom report templates from existing data structures within the BCR system. These report templates can then be save for later use through the Ad Hoc Reporting Dashboard page. To get started, simply click the "Next" button located at the bottom right of the wizard control." At the bottom of the page, there are two buttons: "Cancel" on the left and "Next" on the right.

2. Click **Next** and type a name for the new template.

The screenshot shows the same navigation bar and progress bar as the previous screen. The progress bar now highlights the first step, "1.) Report Template Name". Below the progress bar, the text "Enter Template Name:" is followed by a text input field containing the text "Breast Biopsy and Surgery Report Copy". At the bottom of the page, there are three buttons: "Cancel" on the left, "Previous" in the middle, and "Next" on the right.

3. Click **Next** to select the columns to include in the report.
 - The Available Columns list shows the columns available for inclusion in the report.
 - The Selected Columns list shows the columns that are currently selected for inclusion in the report.



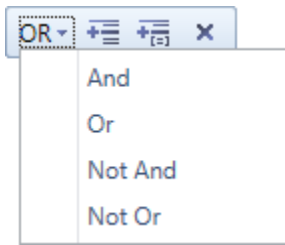
- To add columns to the Selected list, go to the Available list and select the desired columns. Use the Ctrl or Shift key to select multiple columns. To add the selected items, click the To Right  button. Alternatively, to add all available items, click the All To Right  button.
 - To remove columns from the Available list, go to the Available list and select the columns to remove. Use the Ctrl or Shift key to select multiple columns. To remove the selected items, click the To Left  button. Alternatively, to remove all items (thereby clearing the Selected Columns list), click the All to Left  button.
 - To move the position of an item in either list, select the item and click the Move Up  or Move Down  buttons.
4. With the columns selected and placed in the desired order, click **Next**. This will open the Filter Creation page. This page allows users to apply filters using conditional statements and SQL operators.
 5. Select the patient grouping method.


Patient Grouping Method

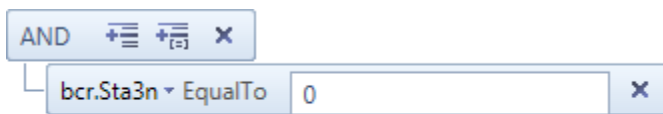
Show only patients with matching criteria / tests

Show ALL patients with or without matching criteria / tests

- If the first option is chosen, only patients that match each criterion will be displayed in the final report.
 - If the second option is chosen, all patients will be displayed in the final report, but specific columns will be blank (null) if they don't match the criteria.
6. Select the desired operator: AND, OR, Not And (NAND), or Not Or (NOR). This logic gate will be applied to the conditional statements that follow it.

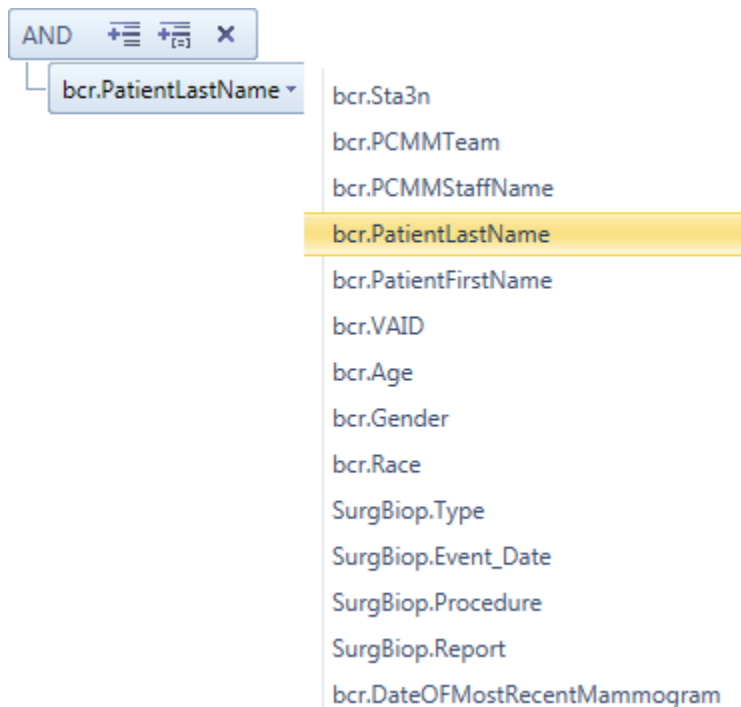


7. Click the Add Statement  button to add a conditional statement. By default, the conditional statement will apply to the first item that was selected in the Column Selection page.

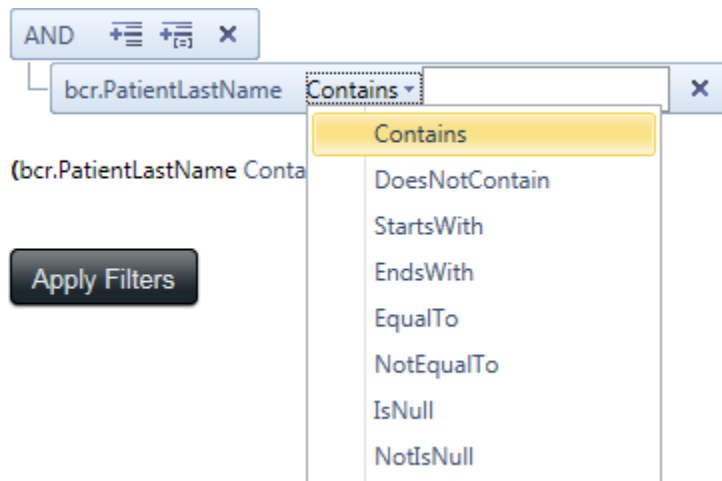


(bcr.Sta3n = '0')

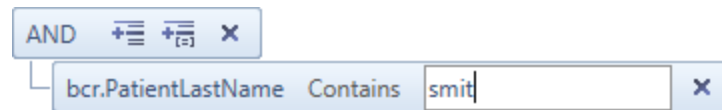
8. Click the down arrow to select the field to be filtered. The available fields depend on the columns selected in the Column Selection page.




9. Click the down arrow to select the conditional operator.



10. Type or select the conditional value. Refer to the list of “Selected Column Filter Instructions” for the expected format.



11. Repeat steps 7 – 10 to add conditional statements that will be evaluated by the selected logical operator.

- To create a new group of operators / conditional statements, click the **New Group**  button and repeat steps 6 – 10 for the new group.

12. With the filters defined as desired, click **Apply Filters**.

13. Click **Next** to preview the report. This will display the report as a grid.

- To make the template public click the **Use as Public Template** check box. This will make the template available and visible to all BCR users. Keep the check box de-selected to make it private.

14. Click **Next** to exit the BCR Ad Hoc Report Template Creation System.

Upon returning to the Ad Hoc Dashboard, the newly created template will be visible in the My Templates list. Unlike the system templates, a user-created template can be edited or deleted by the user who created it. The template can also be cloned and viewed by others if set to Public.

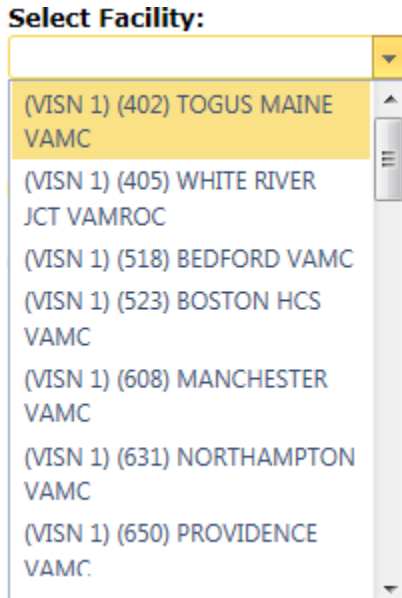
- To view / export the report, click the **Execute** link.

7. VISN / Facility Search

This utility allows the user to view information about a specific facility within a VISN, and to run a subsequent patient search for patients in that facility.

To run a facility/patient search

1. Click **VISN / Facility Search** in the BCR Dashboard, under Utilities.
2. Select the facility from the drop-down list.



This will display general information about the facility.

Select Facility: (VISN 1) (405) WHITE RIVER JCT \	Search for Patient in this Facility Enter Name, VA ID, or SSN
	Facility Name: WHITE RIVER JCT VAMROC
	Facility Code: 405
	VISTA Name: WHITE RIVER JCT VAMROC
	VISN: VISN 1
	Address: VA Medical and Regional Office Center WHITE RIVER JUNCTION, Vermont 05009
	Facility Type: Medical And Regional Office Center

3. Type the name (first or last), VAID or Social Security Number, or any portion of this information, into the search text field and click the Search  icon.

Search for Patient in this Facility

This will display the search results.

REPORTS > SEARCH RESULTS			
Patients Search Results			
Select	VAID	Patient Name ▲	Facility
<input type="button" value="Select"/>			405
<input type="button" value="Select"/>			405
<input type="button" value="Select"/>			405

4. To view patient details, click **Select**.

8. Patient Details

The Patient Details page provides detailed patient information. The data can be saved as an Excel spreadsheet or Word file.

- To export patient details, click the **Export** button that corresponds to the desired file format. Type a name for the report (or keep the default name) and click **OK**.

The report includes the following sections:

- Patient – The patient’s name, age, Veteran status, and demographic/contact information.
- Team – The PACT team and provider.
- Upcoming Appointments – The list of upcoming appointment dates, times and locations.
- Mammogram Compliance and Health Factors – Mammogram compliance and exam history, and complicating health factors.

PATIENT DETAILS									
			Export Options: <input type="button" value="Export to Excel"/> <input type="button" value="Export to Word"/>						
Patient Name:									
Age: 40	Race: BLACK	Contact Information Home: (000)000-0000 Work: (000)000-0000 Cell: --	Address:						
Is Veteran: Y	Gender: F								
Team		Upcoming Appointment(s)							
PACT Team: BRONZE		<table border="1"> <thead> <tr> <th>Appointment Date</th> <th>Location</th> </tr> </thead> <tbody> <tr> <td>9/2/2015 10:00:00 AM</td> <td></td> </tr> <tr> <td>9/2/2015 11:40:00 AM</td> <td></td> </tr> </tbody> </table>		Appointment Date	Location	9/2/2015 10:00:00 AM		9/2/2015 11:40:00 AM	
Appointment Date	Location								
9/2/2015 10:00:00 AM									
9/2/2015 11:40:00 AM									
Provider:									
Mammogram Compliance		Mammogram Health Factors							
Mammogram Screening Compliance: N/A		Had Bilateral Mastectomy: No							
Last MMG Date: None Available		Has Terminal Health Factor: No							
Last MMG BIRAD: No Score - Source:		Has MMG Exclusion Health Factor: Yes 10/29/2014 12:00:00 PM							
Next screening date: None Available		MMG Screening Frequency Health Factor: None Available							
		Date of MMG Screening Frequency Health Factor: None Available							

Depending on the report type and reporting source, additional information will be displayed, such as radiology information, BCR diagnosis, co-morbidities, and treatment history.

Radiology History									
Date Performed	Procedure	BI-RADS Code	Hospital	Requesting Physician	Report	Impression	Follow Up Notification	Follow Up Action	
Either no results were found with the selected parameters or the initial search has not been performed yet. Please select criteria and click on the "Run Report" button									

BCR Diagnosis				
ICD Code	ICD Code Desc.	Dx Start Date	Dx Last Date	
174.9	MALIGNANT NEOPLASM OF BREAST (FEMALE), UNSPECIFIED			
V10.3	PERSONAL HISTORY OF MALIGNANT NEOPLASM OF BREAST			
233.0	CARCINOMA IN SITU OF BREAST			

Co-Morbidities (Based on Problem List Diagnoses)				
Last Updated Date on Problem List	ICD Code	Problem List ICD Code Desc.	BCR Category	
10/1/2009 12:00:00 AM	250.00	DIABETES MELLITUS WITHOUT MENTION OF COMPLICATION, TYPE II OR UNSPECIFIED TYPE, NOT STATED AS UNCONTROLLED	Diabetes	
6/8/2005 12:00:00 AM	401.9	UNSPECIFIED ESSENTIAL HYPERTENSION	Hypertension	
6/8/2005 12:00:00 AM	715.90	OSTEOARTHRITIS, UNSPECIFIED WHETHER GENERALIZED OR LOCALIZED, INVOLVING UNSPECIFIED SITE	Joint Disorders	

Tumor Registry Data			
Event Date	Result	Details	
3/15/1996 12:00:00 AM			

Treatment			
Chemotherapy			
Treatment Date	Type	Details	
1/1/1841 12:00:00 AM	None		

Radiation Therapy				
Radiation	Radiation/Surgery Seq.	Reason for No Radiation	Radiation Details	Radiation Therapy Details
None	No rad and/or surgery	Not part of 1st course		

Hormonal Therapy		
Start Date	Hormone Therapy	Hormone Rx
1/1/1841 12:00:00 AM	None	

Medications				
Drug Name with Dose	Issue Dates	Fill Count	Primary Drug Class Code	
No Medications were found for this patient.				

Biopsies / Surgeries				
Procedure Date	Procedure	Report	Biopsy vs. Surgery	Hospital Location
No Biopsies / Surgeries were found for this patient.				

Upcoming Orders						
Order Start Date	Requesting Provider	Code Source	Orderable Item Code	Description	Order Status	
No Order Data was found for this patient.						

9. Administration

This section applies only to BCR users with administrator permissions.

BCR administration procedures for adding users follow those of other Health Registries systems that are sub-components of CRS.

To add users

1. From the BCR Dashboard, click **Administration**.



This opens the current list of users. From here, the administrator can edit the user's contact information, edit their role, or remove them from the list.

Search:

Users

<u>Id</u>	<u>NT Username</u>	<u>Name</u>			
110	vhaisw		Edit	Edit Roles	Remove
114	vaaitcr		Edit	Edit Roles	Remove
120	vaaitc		Edit	Edit Roles	Remove
122	vhaisd		Edit	Edit Roles	Remove
123	vaaitcj		Edit	Edit Roles	Remove
124	Vhaisc		Edit	Edit Roles	Remove
147	VHAMO		Edit	Edit Roles	Remove
161	VHAISA		Edit	Edit Roles	Remove
165	vhamin		Edit	Edit Roles	Remove
166	VHACON		Edit	Edit Roles	Remove
1 2 3 4 5					

2. Click **Add User**, and then enter the NT (VA) username into the search field:

To add a new user, first search if the NT username exists in the Registries application:

Search:

3. Enter the user's domain, full name, first and last name, and any other desired information into the text fields, and click **Save** to add the user. Click **Close** to return to the user list.

To view or edit user roles

1. Click **Edit Roles**.

Edit	Edit Roles	Remove
----------------------	----------------------------	------------------------

2. Patient Metadata Access: Select **Administrator** or **Facility User**.
3. Select the facilities the user will have access to. Use the Ctrl or Shift key to multi-select.

Patient Metadata Access

Patient Metadata Access Roles

Administrator **Facility User**

VISN/Facility Access:

(VISN 1) (402) TOGUS MAINE VAMC
(VISN 1) (405) WHITE RIVER JCT VAMROC
(VISN 1) (518) BEDFORD VAMC
(VISN 1) (523) BOSTON HCS VAMC
(VISN 1) (608) MANCHESTER VAMC
(VISN 1) (631) NORTHAMPTON VAMC
(VISN 1) (650) PROVIDENCE VAMC
(VISN 1) (689) CONNECTICUT HCS
(VISN 2) (528) UPSTATE NEW YORK HCS
(VISN 3) (526) BRONX VAMC
(VISN 3) (561) EAST ORANGE-VA NEW JERSEY HCS
(VISN 3) (620) HUDSON VALLEY HCS VAMC
(VISN 3) (630) NEW YORK HHS
(VISN 3) (632) NORTHPORT
(VISN 4) (460) WILMINGTON VAMC
(VISN 4) (503) ALTOONA
(VISN 4) (529) BUTLER
(VISN 4) (540) CLARKSBURG VAMC
(VISN 4) (542) COATESVILLE VAMC
(VISN 4) (562) ERIE VAMC


4. Dashboard Reporting Defaults: To grant the user National (Enterprise) access, select the **National** check box. To grant the user VISN-level access, select the **VISN** check box.
5. Select the VISNs the user will have access to, using the Ctrl or Shift key to make multiple selections.

Dashboard Reporting Defaults

BCR Reporting User National

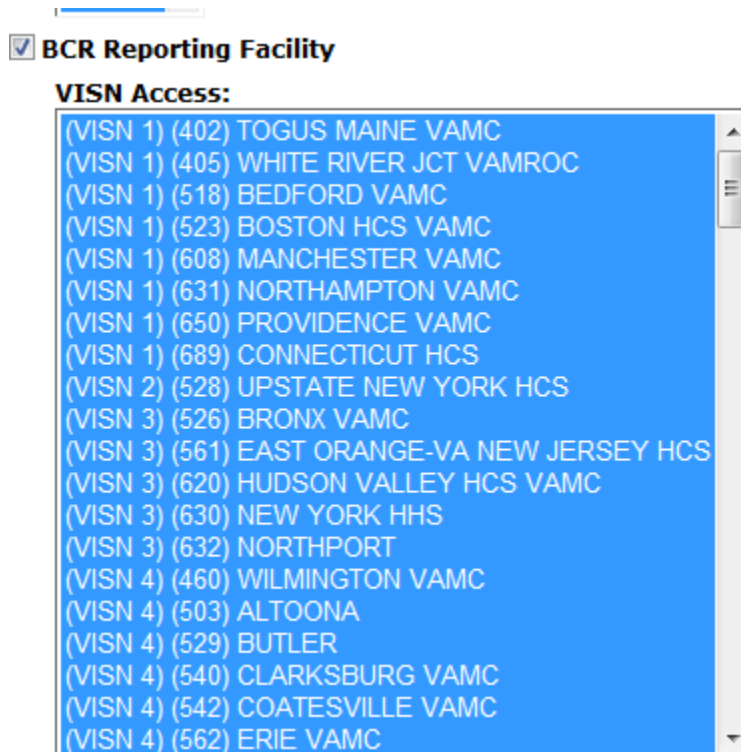
BCR Reporting User VISN

VISN Access:



VISN 1
VISN 2
VISN 3
VISN 4
VISN 5
VISN 6
VISN 7
VISN 8
VISN 9
VISN 10
VISN 11
VISN 12
VISN 15
VISN 16
VISN 17
VISN 18
VISN 19
VISN 20
VISN 21
VISN 22

6. BCR Reporting Facility: To grant the user access to one or more reporting facilities, select the **Reporting Facility** check box and select the facility, or use the Shift or Ctrl key to select multiple facilities.



7. Click **Save** to save the changes. Click **Close** to return to the user list.

10. Troubleshooting

As a VA intranet Web site, BCR troubleshooting procedures will usually involve contacting the BCR network administrators or the NSD.

Calls to the NSD should state that the user is working with the Converged Registries Solution and the Breast Care Registry. The NSD will then direct the trouble ticket to AITC, who will use established procedures to direct the problem to the CRS sustainment team.