

# PHS Viewer

Date: 4/21/2016

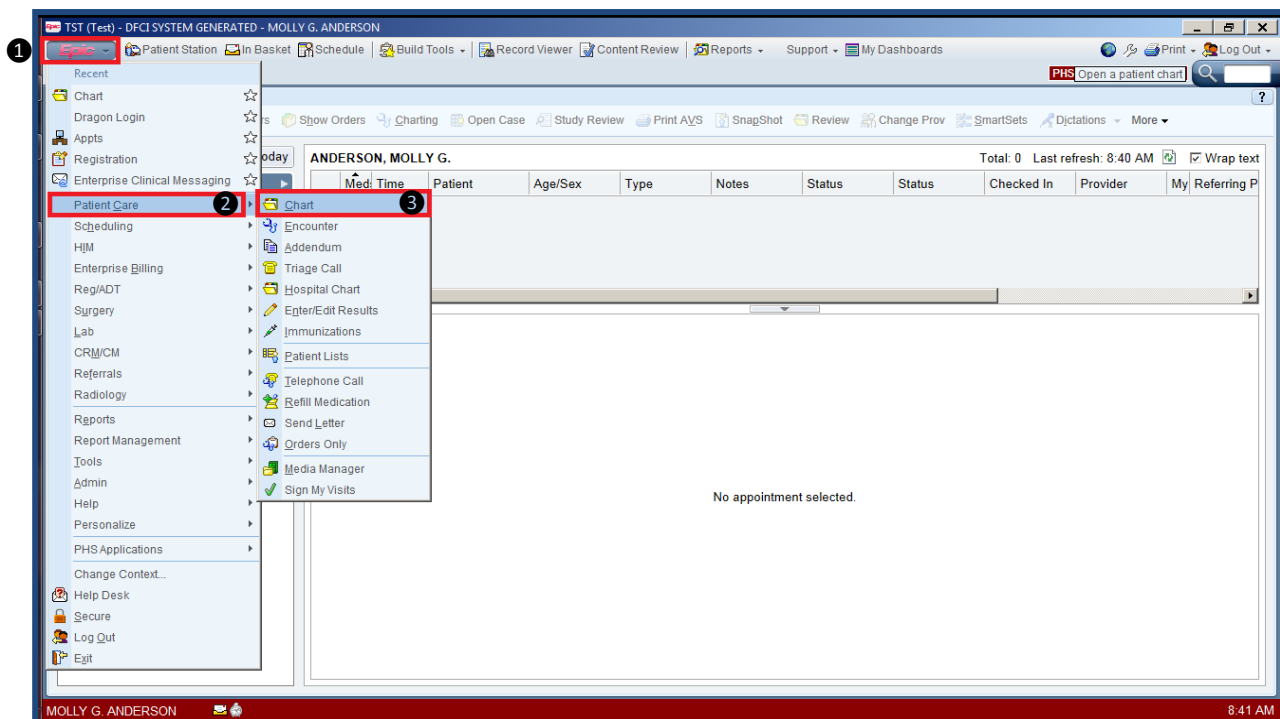
The PHS Viewer application will allow one-click access to view historical, clinical data which may not be viewable elsewhere in Epic. The user will have the ability to view historical data within his or her clinical workflow without leaving Epic or reselecting the Epic patient. This feature will be available to all users with access to Epic's Chart Review activity.



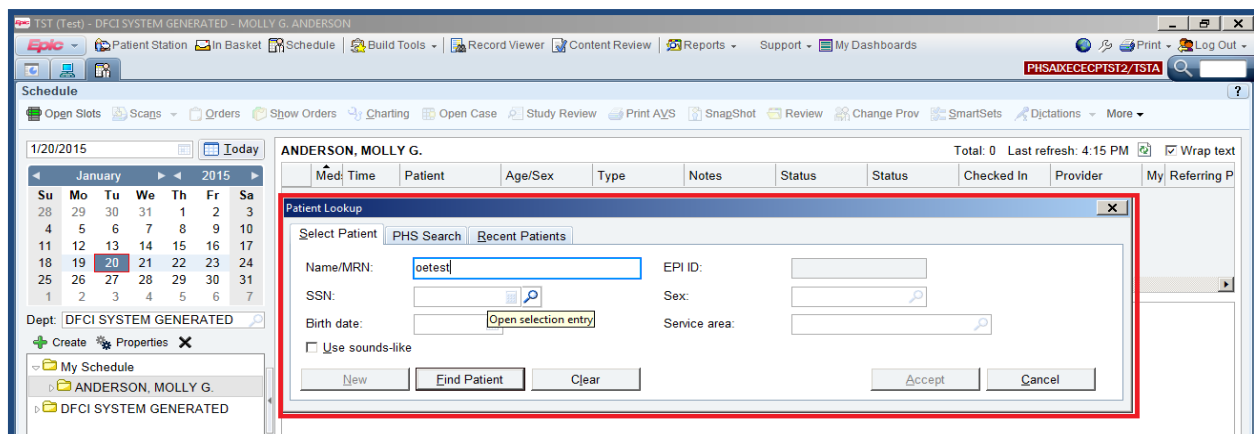
## Try it out!

**\*Please note: There are several methods for opening a patient's chart within Hyperspace. The following instructions describe how to access the PHS Viewer via Epic's Patient Lookup tool.**

- 1) Once logged into Epic Hyperspace, navigate to the **Epic button** (❶) in the top left-hand corner of the workspace. Locate the **Patient Care** (❷) menu, and then select the **Chart** (❸) submenu, which will launch the **Patient Lookup** tool.



- 2) When the **Patient Lookup** window launches, you are prompted to **search** for a patient. You are prompted to search by **Name** or by **MRN**. In this scenario, we will search by typing in a **last name**.



- 3) Select the **Find Patient** button (or simply key **ENTER**) to proceed to the **Patient Select** screen. In this example, the user will select the patient **Oetest, Bridget May** and click **Accept** to open her chart.

The screenshot shows the Epic Patient Select interface. The search results table is as follows:

%	PATIENT NAME	MRN	ID Type	Sex	DOB	Street Address	SSN
	OETEST,ALEXIS	<20400475...	PMRN	F	04/10/1980	1 DR. BOSTON MA 02101	xxx-xx-0000
	OETEST,ANGELAT	<20400461...	PMRN	F	07/31/1981	123 EAST AVE. SOMERVILLE MA 02...	xxx-xx-0000
	OETEST,BRIDGET	<20400537...	PMRN	F	01/01/1967	111 OVERLOOK DRIVE, NEW IPSWIL...	xxx-xx-0000
	OETEST,BRIDGET MAY	920844	DFCI	F	02/13/1934	11 MAIN STREET, BOSTON MA 02127	xxx-xx-0000
	OETEST,CATHY	900767	DFCI	F	01/01/1950	TOWER 5, BOSTON MA 02215	xxx-xx-0000
	OETEST,CATHY	<20400509...	PMRN	F	01/01/1950	TOWER 5, BOSTON MA 02215	xxx-xx-0000
	OETEST,CHLOE	<10400360...	PMRN	F	10/06/1964		xxx-xx-0000
	OETEST,CHRISTINE	<20400479...	PMRN	F	04/22/1980	1 DR. BOSTON MA 02101	xxx-xx-0000
	OETEST,HILLAWEE-WADHAM	920845	DFCI	F	12/09/1984	129 HEATH BLVD, BOSTON MA 02129	xxx-xx-0000
	OETEST,IAPOR	<10400363	PMRN	F	01/01/1965	850 ROY STON STREFT, CHFI SFA	xxx-xx-0000

The 'Accept' button is highlighted with a red box.

- 4) The application displays the chart of **Bridget May Oetest**. On the **left activity toolbar**, click the **PHS Viewer** activity. The PHS Viewer will launch its default page, the Big Board, within the patient workspace.

The screenshot shows the Epic PHS Viewer interface for patient Bridget May Oetest. The left activity toolbar has the 'PHS Viewer' button highlighted with a red box. The main content area displays the 'Big Board' with various tabs and data.

Patient Summary: Oetest,Bridget May, 920844 (DFCI), 02/13/1934 (80 yrs.) F

Specimen Inquiry: Lab Views, Summary Views: Big Board, Search, LMR Views, Links, CMLV, Allergy, OE / eMAR, Home, ?

Chart Review: PHS Viewer, Synopsis, Immunizations, Order Entry, Education, Communications, SnapShot

PHS Viewer Data:

Chem	Imm	BBank	Path	OpRpt	Endosc	Note	Scanned
Hem	Micro	Rad	Card	Disch	Pulm	Neuro	Vasc

Immunizations:

	3yr	6yr	12dy	4mo	Tdy	9yr
Oetest,Bridget May						
	2yr	4mo	4mo	6mo	3mo	

More Activities: MOLLY G. ANDERSON, 8:22 AM

## PHS Viewer Popup Windows:

### 1) Popup on left activity toolbar:

In some cases, when you click links within the PHS Viewer to display additional details, the application displays those details in the **PHS Viewer Popup**. You can toggle back and forth between the PHS Viewer Popup and the PHS Viewer activity, as needed. However, if you click to display different details within the PHS Popup activity, the contents of this popup are replaced.

The screenshot shows the PHS Viewer Popup window for patient Claus, Santa. The window displays a table of test results for Sodium. The table has columns for Start, Collected, Result, Ref Range, and Units. The results show a trend for Test NA - Sodium, with values ranging from 122 to 140 mmol/L. A result comment is provided for the 09/22/2007 10:54 entry: "HEMOLYZED SPECIMEN Performed at Chelsea Health Center Lab, director ASD, dia license number 787878".

Start	Collected	Result	Ref Range	Units
09/24/2013 09:16		139	135-145	mmol/L
06/06/2012 10:07		PEND	135-145	mmol/L
06/06/2012 10:05		PEND	135-145	mmol/L
03/19/2012 10:00		140	135-145	mmol/L
03/15/2012 09:00		122	135-145	mmol/L
02/28/2012 09:00		122	135-145	mmol/L
09/22/2011 06:00		122 (L)	135-145	mmol/L
05/13/2011 09:00		122	135-145	mmol/L
12/20/2010 10:34		PEND	135-145	mmol/L
12/20/2010 09:50		138	135-145	mmol/L
10/25/2010 09:40		139	135-145	mmol/L
10/25/2010 09:10		139	135-145	mmol/L
10/29/2008 04:41		142	135-145	mmol/L
10/07/2008 15:45		143	135-145	mmol/L
10/23/2007 18:19		125 (L)	135-145	mmol/L
		136		

Result Comment:  
HEMOLYZED SPECIMEN  
Performed at Chelsea Health Center Lab, director ASD, dia license number 787878

### 2) Floating window popup:

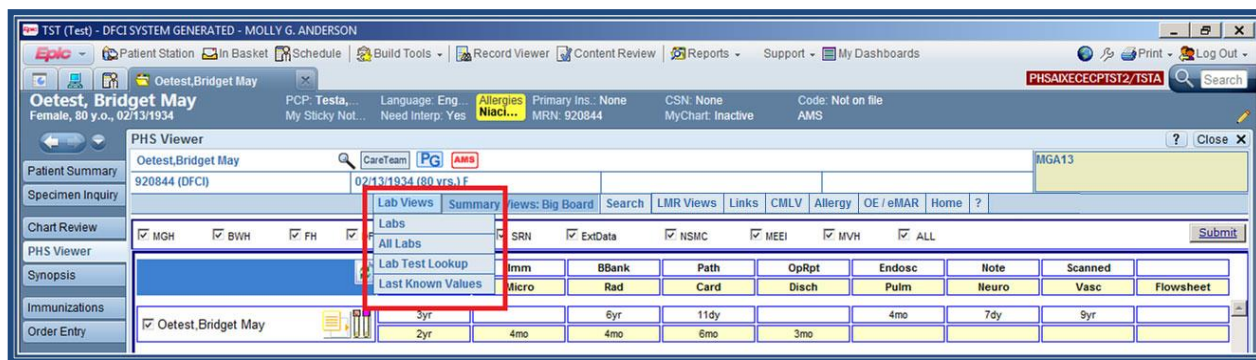
The second type of popup rendered within the PHS Viewer activity is a floating window. It is launched when you click any icon displaying in the WebShell. While the window is not corralled within the patient workspace, you cannot access the popup when switching into another patient's chart. The popups contain patient-specific information.

The screenshot shows the PHS Viewer floating window popup. The window displays patient information for Claus, Santa N, Jr. (DOB: 01/01/1949) and a message regarding a Liver Transplant evaluation. The message states: "SANTA CLAUS (0000004) is a member of the MGH Transplant Registry and is currently being referred for a Liver transplant evaluation, being referred for a Kidney transplant evaluation and being referred for a Heart transplant evaluation. Please page the following individuals for assistance with any care related issues 6AM - 4:30PM, M-F: Liver Transplant Center: 617-720-0822".

The following sections provide a high-level overview of each page within the PHS Viewer application.

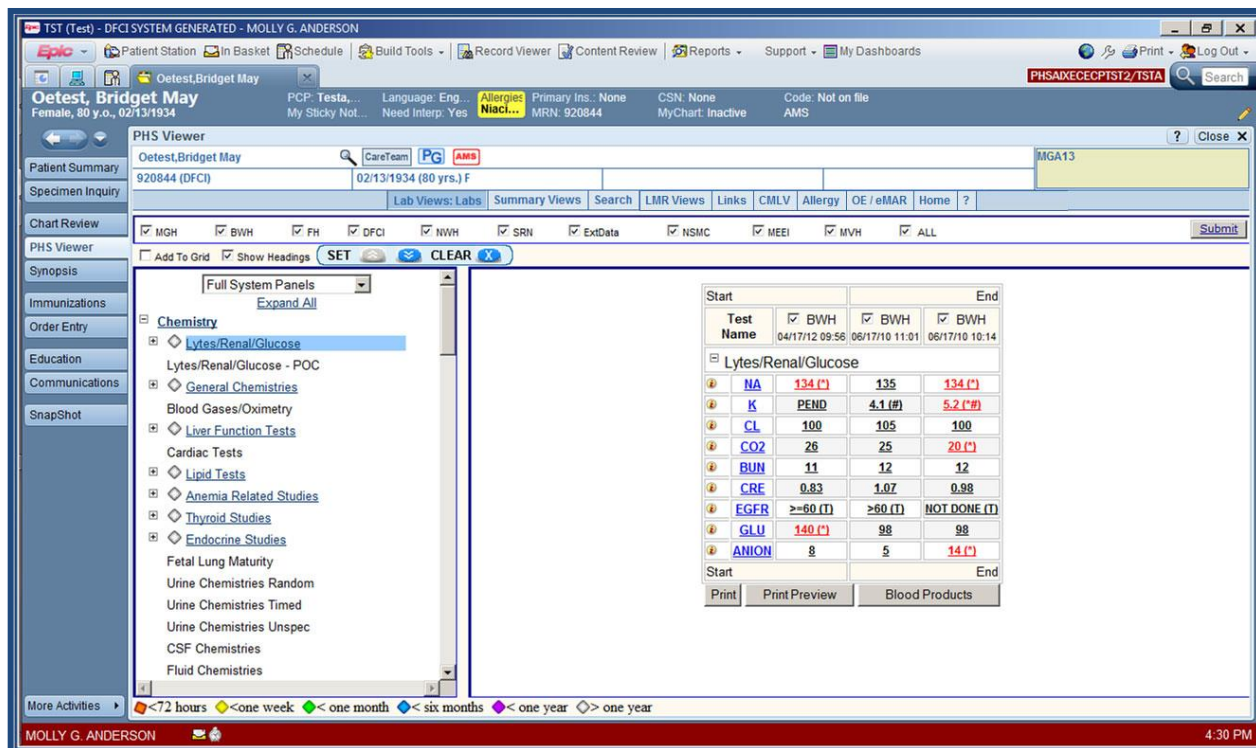
## Lab Views

Each Lab view includes test results from the following clinical labs: Chemistry, Hematology, Coagulation, Urinalysis, Cell Counts, Immunology, Therapeutic Drugs, Cell Markers, Neurochemistry, and Blood Bank.




### Labs:

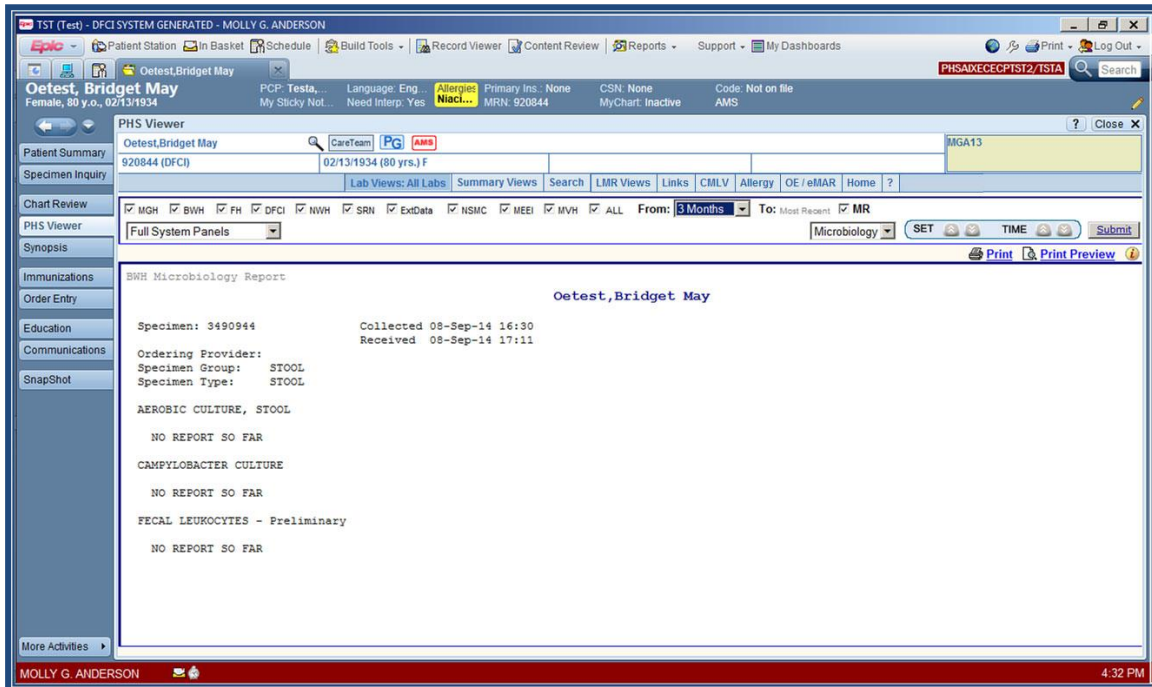
The Labs view displays test results from the previously listed clinical labs. Lab data is organized into system panels or user-defined panels. Colored icons to the left of panel (test grouping) names indicate the age of the most recent results from that panel. You can view results for specific tests as well as test trending and graphing. Result codes are used to flag abnormal and critically abnormal results.






## All Labs:

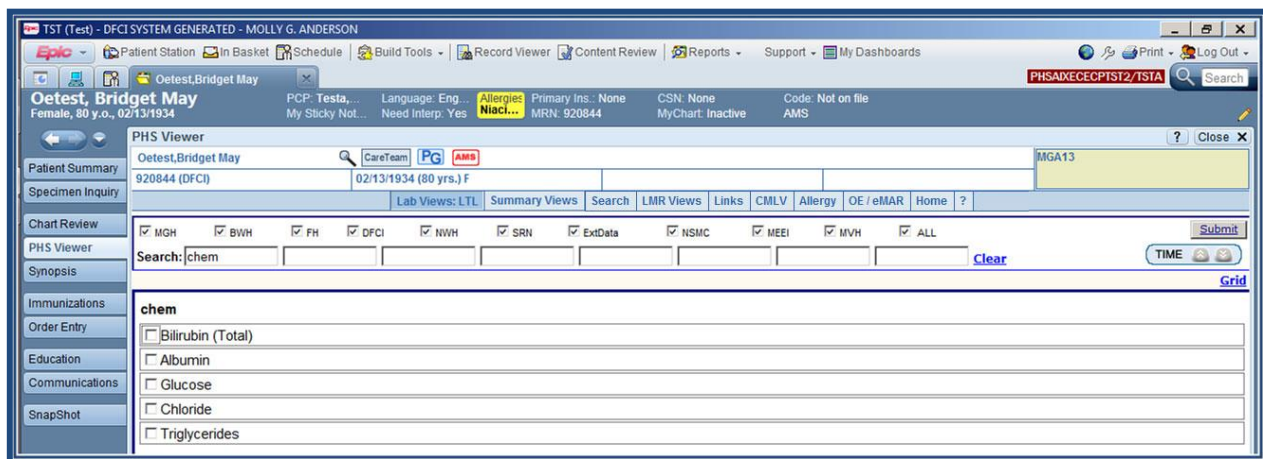
The All Labs view displays test results from the previously listed clinical labs and Microbiology. To move through other results for this patient, click the SET  button (or click anywhere within the grid and press **ENTER**). Labs data is organized into system panels or user-defined panels. You can view results for specific tests as well as test trending and graphing. Result codes are used to flag abnormal and critically abnormal results.



The screenshot shows the Epic PHS Viewer interface for patient Oetest, Bridget May. The patient's demographic information is displayed at the top: Female, 80 y.o., 02/13/1934. The patient's MRN is 920844. The patient is currently in the PHS Viewer, and the Microbiology Report is displayed. The report shows the specimen 3490944, collected on 08-Sep-14 at 16:30. The specimen group is STOOL, and the specimen type is STOOL. The report includes results for Aerobic Culture, Stool, Campylobacter Culture, and Fecal Leukocytes - Preliminary. The results are all reported as "NO REPORT SO FAR".

## Lab Test Lookup:

The Lab Test Lookup view allows you to look up the most recent results for one or more tests from the previously listed clinical labs. You can also view older results by utilizing the scroll bar and the TIME  button. To display the trend of results for any test, click its column header. To view trended results as a graph, click the associated link. To display specimen detail, click a specimen date. Result codes are used to flag abnormal and critically abnormal results.



The screenshot shows the Epic PHS Viewer interface for patient Oetest, Bridget May. The patient's demographic information is displayed at the top: Female, 80 y.o., 02/13/1934. The patient's MRN is 920844. The patient is currently in the PHS Viewer, and the Lab Test Lookup view is displayed. The view shows a search for "chem" and a list of tests: Bilirubin (Total), Albumin, Glucose, Chloride, and Triglycerides. The results are displayed in a table with columns for Test Name, Result, and Specimen Date. The results are all reported as "NO REPORT SO FAR".

## Last Known Values:

The Last Known Values view displays the most recent and last flagged results from the previously listed clinical labs. Result codes are used to flag abnormal and critically abnormal results.

TST (Test) - DFCI SYSTEM GENERATED - MOLLY G. ANDERSON

Epix Patient Station In Basket Schedule Build Tools Record Viewer Content Review Reports Support My Dashboards

Oetest, Bridget May  
Female, 80 y.o., 02/13/1934

PCP: Testa...  
My Sticky Not...

Language: Eng...  
Need Interp: Yes

Allergies: Niac...  
Primary Ins.: None  
MRN: 920844

CSN: None  
MyChart: Inactive

Code: Not on file  
AMS

PHSAKECECP1ST2/TSTA

Search

PHS Viewer

Oetest, Bridget May

920844 (DFCI)

02/13/1934 (80 yrs.) F

Lab Views: LKV Summary Views Search LMR Views Links CMLV Allergy OE / eMAR Home ?

Chart Review

MGH BWH FH DFCI NWH SRN ExtData NSMC MEEI MVH ALL

From: All Data To: Most Recent Submit

PHS Viewer

Synopsis

Immunizations

Order Entry

Education

Communications

Snapshot

More Activities

Expand All

Test Description Last Known Date Last Flagged Date

Chemistry

Lytes/Renal/Glucose

Sodium 134 (\*) 04/17/2012 134 (\*) 04/17/2012

Potassium PEND 04/17/2012 5.2 (\*) 06/17/2010

Chloride 100 04/17/2012

Carbon Dioxide 26 04/17/2012 20 (\*) 06/17/2010

BUN 11 04/17/2012

Creatinine 0.83 04/17/2012

GFR (estimated) >=60 (T) 04/17/2012

Glucose 140 (\*) 04/17/2012 140 (\*) 04/17/2012

Anion Gap 8 04/17/2012 14 (\*) 06/17/2010

General Chemistries

Calcium 8.3 (\*) 04/17/2012 8.3 (\*) 04/17/2012

Magnesium PEND 04/17/2012

Bilirubin (Total) 1.0 06/17/2010

Total Protein 7.2 06/17/2010

Albumin 4.1 06/17/2010

Globulin 3.1 06/17/2010

Liver Function Tests

Click to expand/collapse test details

MOLLY G. ANDERSON 4:36 PM

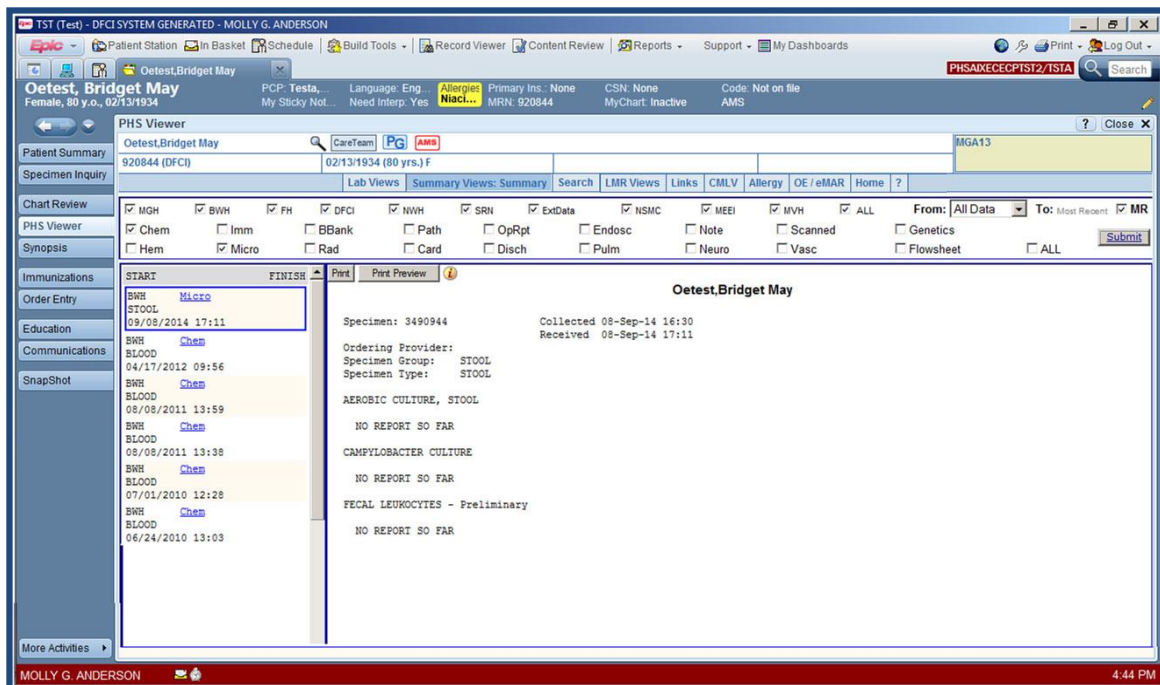
## Summary Views

The screenshot shows the Epic PHS Viewer interface for patient Oettest, Bridget May. The 'Summary Views' dropdown menu is open, showing three options: 'Big Board', 'Patient Abstract', and 'Notes Viewer'. The 'Big Board' option is highlighted with a red box. The interface also displays various tabs like Patient Summary, Specimen Inquiry, Chart Review, PHS Viewer, Synopsis, Immunizations, and Order Entry. The patient's information, including name, date of birth, and MRN, is visible at the top.

### Big Board:


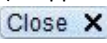
The Big Board view displays the elapsed time since clinical activity was recorded in each data category or in each data type available. The Big Board displays result data in a grid with data types organized by column and row. If a patient has activity for a data type, a time value (such as "2dy," "12min," and so on) displays beneath the column heading. Values under 31 minutes are highlighted in blue. Values posted today are highlighted in light blue. Click a time value to display result details. To view the Labs view, click . To view all data, click . The Big Board automatically refreshes every two minutes. To manually refresh data at any time, click .

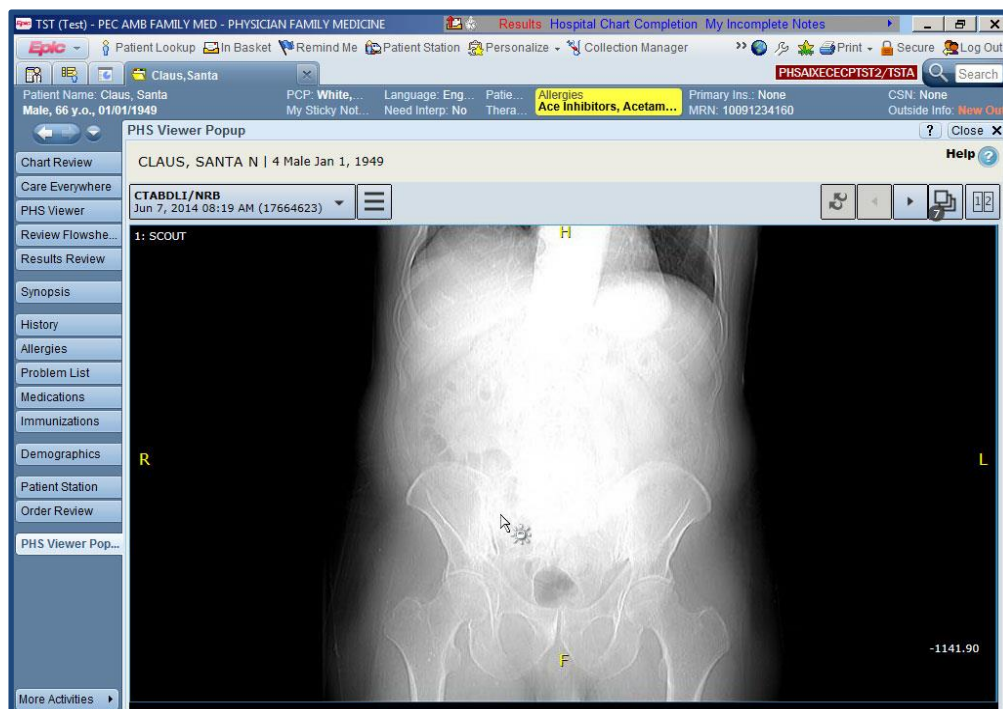
The screenshot shows the Epic PHS Viewer interface with the 'Big Board' view selected. The grid displays time values for various data categories. The patient's information and navigation tabs are visible at the top. The grid shows data for Oettest, Bridget May, with time values ranging from 2yr to 9yr. The 'Big Board' view is highlighted in the 'Summary Views' dropdown menu.

**Summary:**

The Summary view displays available lab specimens, reports, and notes for the selected patient. Click any item in the index to display details. Results are listed in reverse chronological order. For lab specimens, result codes are used to flag abnormal and critically abnormal results. For reports, click the Image link (when available) to display images in the associated image viewer.

**Viewing Images:**

Images associated with reports may be available for online display when a link for “Image” or “Images” displays in the report index. Click the link to display either an index of images for the patient or the associated image (as applicable). For additional information on the image viewer, click  in the image title bar. To exit from the image, click  in the upper-right corner.





## Patient Abstract:

The Patient Abstract view displays a compilation of labs, reports, and notes for the selected patient. The top section displays two scrolling lists. The list on the left shows results for common lab tests. The list on the right shows results for most recent lab tests. The bottom section displays a scrolling list of the two most recent reports for each data type. Click the Image link (when available) to display images in the associated image viewer.

The screenshot shows the Patient Abstract view for patient Oettest, Bridget May (Female, 80 y.o., 02/13/1934). The interface includes a top navigation bar with various tools and a left sidebar with navigation options. The main content area is divided into several sections:

- Common Lab Tests:** A table showing results for various tests.
 

Test	Result	Unit	Date/Time
NA	134	(*)	04/17/2012 09:56
K	PEND		04/17/2012 09:56
CL	100		04/17/2012 09:56
CO2	25		04/17/2012 09:56
BUW	11		04/17/2012 09:56
CRE	0.83		04/17/2012 09:56
GLU	140	(*)	04/17/2012 09:56
HGBA1G	11.4	(*)	05/17/2010 10:14
CA	8.3	(*)	04/17/2012 09:56
MG	PEND		04/17/2012 09:56
- Most Recent Tests:** A table showing the most recent test results.
 

Test	Result	Date/Time
HGB	10	09/20/2013 11:23
- Microbiology:** A section showing microbiology results.
 

Specimen	Result	Date/Time
STOOL	AEROBIC CULTURE, STOOL	08/08/2014 17:11

## Notes Viewer:

The Notes Viewer contains an index of documents filed in the LMR and Document Repository. This includes notes, letters, and consents as well as a limited set of miscellaneous reports. By default, inpatient documents are included from the last week (or up to the most recent); outpatient documents are included from the last 6 months (or up to the most recent). However, you can expand the range, as desired. Column headers can be used to sort or filter the displayed list. To view details for any note, click its line in the list. Or to view details in full-screen mode, right-click the item in the list.

The screenshot shows the Notes Viewer for patient Oettest, Bridget May. The interface includes a top navigation bar and a left sidebar. The main content area displays a list of notes with columns for Site, Date, Set, Specialty, Role, Type, Category, Description/Subject, Status, Author, and History. The notes are sorted by date, showing three entries from 01/13/2015.

Site	Date	Set	Specialty	Role	Type	Category	Description/Subject	Status	Author	History
MGH	01/13/2015	O	Emergency Medi...	Medical Student	Note	SN	Prelimi...	Prelimi...	Klokman, Lynn L.	
MGH	01/13/2015	O	Emergency Medi...	Medical Student	Note	SN	Prelimi...	Prelimi...	Klokman, Lynn L.	
MGH	01/13/2015	O	Emergency Medi...	Medical Student	Note	SN	Prelimi...	Prelimi...	Klokman, Lynn L.	

Below the list, there is a section for patient details and allergies:

Patient: OETEST.BRIDGET MAY 8461584(MGH) 02/13/34 F  
 Author: Lynn L. Klokman  
 Status: Preliminary  
 Visit Date: 01/13/2015

**Allergies**  
 Aspirin - Anxiety, Last Updated: 01/13/2015  
 peanut - Bronchospasm, Rash

## Search

Use the Search page to search the content of the notes filed for this patient. This includes consult notes, progress notes, nursing assessments, and so on, entered into applications used throughout Partners HealthCare (such as Epic, LMR, and MGH eBridge).

It does not include the following:

- LMR scanned notes
- Private or restricted notes from the LMR or Epic
- Notes from other source systems, such as Op Reports and Discharge Reports

This page can be used to search the text of a document, but not the header information (such as the site or category). Matching terms display as highlighted text within the main panel. Only a brief excerpt displays initially. To see the full text of any note, click the blue heading. Related terms, based on the Health Topics data base from the National Library of Medicine (NLM), display on the left. These terms are automatically searched and included for you and may be helpful to you to refine your search.

The screenshot shows the Partners eCare Search interface for patient Molly G. Anderson. The search term "swallow" is entered in the search bar, and the results show 25 matches. The interface includes a patient summary, a list of related terms (NLM), and a list of search results with details like date, author, and note content.

**Patient Summary:** Oetest, Bridget May, Female, 80 y.o., 02/13/1934, PCP: Testa..., Language: Eng..., Need Interp: Yes, Allergies: Niac..., Primary Ins.: None, MRN: 920844, CSN: None, MyChart: Inactive, Code: Not on file, AMS.

**Search Results:** 25 Results. Search is limited to LMR text notes. More Detail. 1 to 3 of 3.

**Related Terms (NLM):** gerd, dysphagia, child safety, first aid, esophageal cancer, gas, digestive diseases, belch, burp, eructation, flatulence, flatus, household products, cosmetics, pesticides, Show More.

**Filters:** + Site, + Author, + Type, + Category.

**Search Results:**

- 8/19/2011 BWH Whipple, Nancy J Patient Note Preliminary  
Internal Medicine Attending Note THE PHYLLIS JEN CENTER FOR PRIMARY CARE  
Patient Note.
- 6/29/2003 BWH Roche, Susan E Physical Exam Final  
Internal Medicine History and Physical, Comprehensive Note THE PHYLLIS JEN CENTER FOR PRIMARY CARE  
Physical Exam. Review of Systems AM Stiffness: No Fever: No Wt Change: No Hair Loss: No Visual: No abnormality Pulmonary: no cough, wheeze, chest tightness, shortness of breath Cardiac: no chest pain/discomfort/palpitations Swallowing: no
- 8/20/2002 MGH Roche, Susan E Physical Exam Final  
Rheumatology History and Physical, Comprehensive Note MGH RHEUMATOLOGY  
Physical Exam. Review of Systems AM Stiffness: No Fever: No Wt Change: No Hair Loss: No Visual: No abnormality Pulmonary: no cough, wheeze, chest tightness, shortness of breath Cardiac: no chest pain/discomfort/palpitations Swallowing: no dysphagia/

## LMR Views

The screenshot shows the Epic PHS Viewer interface for patient Oettest, Bridget M. The 'LMR Views' dropdown menu is open, listing various LMR-related options. A red box highlights the following items in the dropdown:

- LMR Views
- LMR Summary
- LMR Flowsheets
- Oncology Staging / Treatment Plan
- Oncology Treatment History
- BWH Infusion Flowsheet
- DFCI BMT Flowsheet
- DFCI Infusion Flowsheet
- MGH Infusion Flowsheet
- NSMC Infusion Flowsheet
- LMR OB Summary Report
- LMR Patient Pharmacy

### LMR Summary:

The LMR Summary displays a summary of information entered into the LMR for the selected patient. This information includes (as available): vital signs, last appointment date, provider name and practice name, active problem list, active procedures list, family history, active allergies list, active medication list, health monitoring information, immunizations, and a To Do List/Reminders List.

The screenshot shows the Epic PHS Viewer interface for patient Oettest, Bridget M, displaying the LMR Summary. The patient's information includes MRN: 920844, DOB: 02/13/1934, and gender: F. The summary includes the following sections:

**VITAL SIGNS:** 11/21/2013 BP N/A P N/A RR N/A Temp N/A Ht 64 in Wt 150 lb PAIN LEVEL N/A

**LAST APPOINTMENT:** 01/16/2015 09:00

**PROVIDER:** SAVGAN-GUROLERAY, M.D. **PRACTICE:** PEDI

**PROBLEMS**

Problem List	Comments
Migraine	
H/O Smoker	Mef's custom paragrah test2 pxd x 25 yrs 50% of time testing's test's Date off study: _____ Date of last dose of IP: _____ If applicable, include: Participant withdrew consent and will/will not allow long term follow-up.
Overweight	
Bronchitis	
F/H Coronary arteriosclerosis	
S/P Total shoulder replacement	
anxiety disorder	
F/H Lyme disease	
Cholecystitis	
Cholangitis	
Knee pain	

**FAMILY HISTORY**

Condition	Relative	Status	Age of Onset	Living Status (yrs)	Cause of Death	Comments
Bipolar	Mother	Positive				
Biventricular Congestive Heart Failure [uncoded]	Mother	Positive				
	Father	Positive	88			
[Negative] Brain Cancer	Maternal Grandmother	Negative				
Colonic Polyps	Mother	Positive				comment entered for colonic polyps for mother



**LMR Flowsheets:**

The LMR Flowsheets view displays flowsheet information that has been recorded in the LMR for the patient. If you have more than one location in the LMR, you can select another location by clicking **Change LMR Location**. You can click the Select Flowsheet drip-down list to select other flowsheets, or click **Show All** to display all flowsheet items recorded for this patient.

The screenshot shows the LMR Flowsheets view for patient Oetest, Bridget M (MRN: 11489986). The interface includes a top navigation bar with various tools like Schedule, In Basket, Chart, Patient Station, Remind Me, Resources, Phone Directory, Print, Secure, and Log Out. The patient's demographic information is displayed at the top, including name, MRN, date of birth, gender, and primary care physician (PCP: Testa, Mauro). The left sidebar contains navigation options such as Snapshot, Chart Review, PHS Viewer, Care Team Page, Results Review, and Synopsis. The main content area shows the PHS Viewer with a table of flowsheet data. The table has columns for Item Name, 03/17/2016, 01/04/2016, and 10/05/2015. The data includes BLOOD PRESSURE, TEMPERATURE, PULSE, RESPIRATORY RATE, O2 SAT, HEIGHT/LENGTH, WEIGHT, BMI, PAIN LEVEL, and Smoking status.

Item Name	03/17/2016	01/04/2016	10/05/2015
BLOOD PRESSURE	130/70	137/87	70/110
TEMPERATURE	99 F		
PULSE			
RESPIRATORY RATE			
O2 SAT			
HEIGHT/LENGTH	62 in*		
WEIGHT	110 lb		
BMI	20.1		
PAIN LEVEL	1		
Smoking status			

**Oncology Staging/Treatment Plan:**

This view displays a summary of oncology staging information that has been recorded in the LMR for the patient across Partners institutions.

The screenshot shows the Oncology Staging/Treatment Plan view for patient Oetest, Bridget M (MRN: 11489986). The interface is similar to the LMR Flowsheets view, with a top navigation bar and a left sidebar. The main content area displays the Treatment Plan section, which includes patient information (OETEST, BRIDGET MAY MRN:11489986 (BWH), DOB: 02/13/1934 Age: 82) and a table of tumor description data. The table has columns for Dx Date, Date Estimated, Tumor Size (cm), N, M, Prov. Stage, Site, LVI, T, N, M, ER, PR, HER2/neu IHC, and HER2/neu FISH. The data includes Tumor Description: Breast, 11/04/2011, Yes, TX, 1, N0, M0, 1, Right, Absent, T0, N0, cM0(i+), Positive, Negative, +1, and Positive.

Dx Date	11/04/2011
Date Estimated	Yes
Tumor Size (cm)	TX
N	1
M	N0
Prov. Stage	M0
Site	1
LVI	Right
T	Absent
N	T0
M	N0
ER	cM0(i+)
PR	Positive
HER2/neu IHC	Negative
HER2/neu FISH	+1



## Oncology Treatment History:

The Oncology Treatment History provides a summary of the oncology treatments that have been recorded in the LMR for the patient across Partners institutions. It includes a summary of treatments provided during the previous 5 years.

The screenshot displays the Epic PHS Viewer interface for patient Oetest, Bridget M. The patient's MRN is 11489986, and she is 82 years old, born on 02/13/1934. The interface shows various tabs for viewing patient data, including Lab Views, Summary Views, and LMR Views: Onc Treatment History. The LMR Views: Onc Treatment History tab is selected, showing a table of treatments.

**Patient:** OETEST, BRIDGET MAY MRN:11489986 (BWH)  
**DOB:** 02/13/1934 Age: 82

**Diagnosis:** 1. Dermatology

**Staging:** Breast T\_\_N\_\_M\_\_ Stage\_\_ Dx Date: 09/14/2015  
 Staging: Endometrial T\_\_N\_\_M\_\_ Stage\_\_ Dx Date: 09/14/2015  
 Staging: Brain and Spinal Cord T\_\_N\_\_M\_\_ Stage\_\_ Dx Date: 09/13/2015

Source	Initially Entered	Administration / Start Date	Regimen	Status	Medication and Route	Administration Dose	Standard Dose	Est. Standard Anthra Dose	Est. Cumulative Anthra Dose	Site
Oral	09/14/2015	09/14/2015		Active	Cytosan (CYCLOPHOSPHAMIDE) IV BOLUS					MGH
Oral	09/14/2015	09/14/2015		D/C	Cytosan (CYCLOPHOSPHAMIDE) IV BOLUS					MGH
Oral	09/14/2015	09/14/2015		D/C	Xeloda (CAPECITABINE) PO		1043.75 MG			MGH

## Oncology Flowsheets:

The LMR Views menu includes the following options for viewing patient visits relating to a chemotherapy regimen or protocol documented in the LMR:

- BWH Infusion Flowsheet
- DFCI BMT Flowsheet
- DFCI Infusion Flowsheet
- MGH Infusion Flowsheet
- NSMC Infusion Flowsheet

These flowsheets include a wide variety of record and assessment information including a medications list and administration record, vital signs, labs, intake/output totals, patient assessment, as well as disposition, teaching and nursing notes.

The DFCI Infusion Flowsheet displays information regarding patient visits relating to a bone marrow transplant documented within the LMR by providers at DFCI, if applicable.

**TST (Test) - BWH FAMILY MED SJP - MOLLY G. ANDERSON**

**Oetest, Bridget M**  
Female, 82 years, 02/13/1934  
MRN: 11489986  
PCP: Testa, Mauro  
Language: English  
Room/Be...  
My Sticky Note: None

**PHSAIXECECPTST1/TST1**

**PHS Viewer**  
Oetest, Bridget May  
11489986 (BWH) 02/13/1934 (82 yrs.) F  
Lab Views Summary Views Search LMR Views: MGH Infusion Flowsheet Links CMLV Allergy OE / eMAR Home ?

**MGH Infusion FlowSheet**  
Patient: Oetest, Bridget May MRN: 8461584 (MGH)  
FlowSheet: Treatment Flow Sheet - MGHC Created at: MGH  
RN: TEST, LMR JFG9  
DIAGNOSIS 1: Breast ( Primary)  
MD: TEST, VIEW, M.D.  
FEL/NP: TEST, LMR RJC36  
Social Worker:  
General Comments:  
03/17/2016 PHS INFO SYSTEMS - PHS INFO SYSTEMS  
Visit Type  
Chemotherapy;  
Chemo Consent Verified  
Treated By: KLOKMAN, LYNN  
Diagnosis: Breast Regimen/Protocol: 5-FU /LEUCOVORIN 500/500-BREAST  
C1W1D2  
Goal of Treatment/Indication: Curative / Adjuvant / Neo-adjuvant  
Pre-Medication Active  
BENADRYL ORAL (DIPHENHYDRAMINE ORAL) PO (ordered on: 03/17/2016)  
Order Comments:  
Dose 1: 25mg Time-Up: 08:16am  
Chemotherapy Active

**OB Summary Report:**

The OB Summary Report provides access to clinical data on obstetric patients documented within the LMR, if applicable.

**OB Summary Report Link**

OB Summary OETEST, BRIDGET MAY MRN: 11489986 (BWH) DOB: 02/13/1934 Age: 82 GA: EDD: G: 2 P: 0 BMI: Subset: N/A  
Date of appointment: N/A at N/A Provider: CENSULLO, PAUL V

**DEMOGRAPHICS**

Father of Baby	
Obstetrician	Test, View, M.D.
Referring MD	

**PREGNANCY DATING**

LMP Date	09/17/2015
LMP EDD	06/23/2016
Ultrasound Date	
Ultrasound EGA	
Ultrasound EDD	
Current GA	26 1/7
Final EDD	06/22/2016

**GTPAL TOTALS**

Gravida	9	TAB	2	Living Children	1
Term	0	SAB	1	Mult preg	1

**Patient Pharmacy:**

This view displays retail and mail order pharmacies entered by LMR users for this patient. The pharmacy indicated as the default is the one used when LMR users electronically send prescriptions.

**Patient Pharmacy**

Patient: OETEST, BRIDGET MAY MRN: 11489986 (BWH)  
DOB: 02/13/1934 Age: 82

**Retail Pharmacies**

Default	Pharmacy Name	Phone	Fax	Address	Type
<input checked="" type="radio"/>	CVS Pharmacy #2054	781-769-2422	781-551-9121	136 Nahatan St, Norwood, MA 02062-4252	

**Mail Order Pharmacies**

Default	Pharmacy Name	Phone	Fax	Address	Type
<input checked="" type="radio"/>	Aetna Mail Order Pharmacy	800-416-9262	877-270-3317	P.O. Box 417019, Kansas City, MO 64179	

## Links Page

The Links page displays a list of links to commonly-used clinical applications and retracted documents, organized by category. Active links are underlined and may be either blue or purple. Clicking an active link allows you to access the associated clinical application and view patient data (if available). Inactive links indicate that the patient does not have an MRN for the site associated with the link. Inactive links are not clickable.

*Note: You may need additional authorization to access certain applications via the Links page.*

The screenshot shows the Epic PHS Viewer interface for patient Oetest, Bridget M. The patient's MRN is 11489986, and the date of birth is 02/13/1934. The interface includes a top navigation bar with various tools like Schedule, In Basket, Chart, and Patient Station. The main content area is titled 'PHS Viewer' and displays a list of links organized into categories. The 'Links' tab is selected, showing a grid of links under three main headings: Scanned Records, LMR Oncology Links, and EKG Images. The 'Additional Clinical Links' section is also visible at the bottom right.


Scanned Records	LMR Oncology Links
<a href="#">BWV Inpt/ED/Day Surg Scanned Record</a>	<a href="#">Oncology Staging Treatment Plan</a>
<a href="#">FH Scanned Record</a>	<a href="#">Oncology Treatment History</a>
	<a href="#">BWV Infusion Flowsheet</a>
	<a href="#">DFCI BMT Flowsheet</a>
	<a href="#">DFCI Infusion Flowsheet</a>
	<a href="#">MGH Infusion Flowsheet</a>
	<a href="#">NSMC Infusion Flowsheet</a>

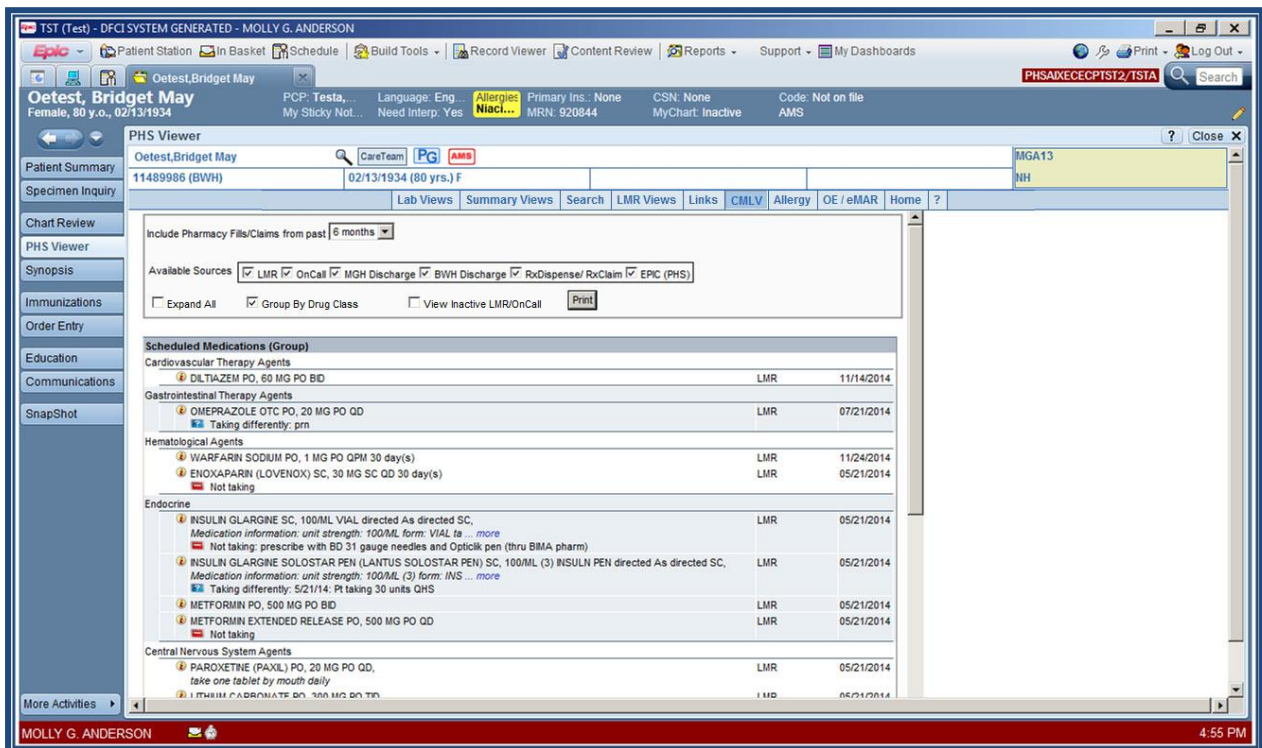
EKG Images	Additional Clinical Links
<a href="#">BWV/BWFH EKG Images</a>	<a href="#">PAML Viewer</a>
<a href="#">DFCI EKG Images</a>	<a href="#">Patient Reported Outcome Measures (PROMs)</a>
<a href="#">MGH EKG Images</a>	<a href="#">LMR OB Summary Report</a>
	<a href="#">LMR Patient Pharmacy</a>
	<a href="#">Remote Patient Monitoring</a>
	<a href="#">Retracted Documents</a>
	<a href="#">BWV Surgical Research Portal / WCPE Preop Eval and Brief Op Notes</a>
	<a href="#">Infectious Disease</a>



## CMLV (Consolidated Medications List Viewer)

The Consolidated Medications List Viewer (CMLV) lists all current and inactive medications for the patient across multiple Partners platforms, sorted by drug class. This list includes medications from the following applications: OnCall, LMR, recent MGH discharges, and recent BWH discharges. It also includes medications from insurance claims and commercial pharmacy fills (only if you indicated that patient consent was received) as well as LMR Prescription History for active and inactive medications. Current medications from Epic will also be included. To present a clearer view, duplicate medications are nested within the most recent instance. Click the  to display older instances for specific medications, or click the Expand All check box to show older instances for all.

- To change the range from 6 months to 3 months or 12 months, click the associated drop-down list and make your choice.
- To sort the list by date, click to clear the Drug Class check box. You can also sort on any column by clicking the column header.
- To filter by any source, click the associated check box. For example, click Oncall to display only Oncall medications. Default is all sources.
- To include inactive medications from the LMR and MGH OnCall application, click the associated check box.



**PHS Viewer**

Include Pharmacy Fills/Claims from past: 6 months

Available Sources: ☒ LMR ☒ OnCall ☒ MGH Discharge ☒ BWH Discharge ☒ RxDispense/RxClaim ☒ EPIC (PHS)

☐ Expand All ☒ Group By Drug Class ☐ View Inactive LMR/OnCall

**Scheduled Medications (Group)**

Medication	Source	Date
<b>Cardiovascular Therapy Agents</b>		
DILTIAZEM PO, 60 MG PO BID	LMR	11/14/2014
<b>Gastrointestinal Therapy Agents</b>		
OMEPRAZOLE OTC PO, 20 MG PO QD	LMR	07/21/2014
Taking differently: prn		
<b>Hematological Agents</b>		
WARFARIN SODIUM PO, 1 MG PO QPM 30 day(s)	LMR	11/24/2014
ENOXAPARIN (LOVENOX) SC, 30 MG SC QD 30 day(s)	LMR	05/21/2014
Not taking		
<b>Endocrine</b>		
INSULIN GLARGINE SC, 100/ML VIAL directed As directed SC	LMR	05/21/2014
Medication information: unit strength: 100/ML form: VIAL ta ... more		
Not taking: prescribe with BD 31 gauge needles and Opticlick pen (thru BMA pharm)		
INSULIN GLARGINE SOLOSTAR PEN (LANTUS SOLOSTAR PEN) SC, 100/ML (3) INSULIN PEN directed As directed SC	LMR	05/21/2014
Medication information: unit strength: 100/ML (3) form: INS ... more		
Taking differently: 5/21/14: Pt taking 30 units QHS		
METFORMIN PO, 500 MG PO BID	LMR	05/21/2014
METFORMIN EXTENDED RELEASE PO, 500 MG PO QD	LMR	05/21/2014
Not taking		
<b>Central Nervous System Agents</b>		
PAROXETINE (PAXIL) PO, 20 MG PO QD, take one tablet by mouth daily	LMR	05/21/2014
17/11/14 PAROXETINE PO 20 MG QD	LMR	05/21/2014

## Allergy (Manager)

The Allergy view displays the patient's active and inactive allergies and reactions that have been recorded in the Partners Enterprise Allergy Repository (PEAR). The Allergy Manager allows the user to see complete history for each allergy.

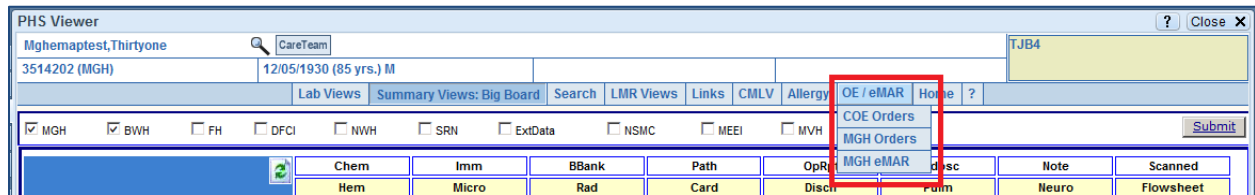
The screenshot shows the Partners eCare interface for patient Oettest, Bridget May. The top navigation bar includes links for Patient Station, In Basket, Schedule, Build Tools, Record Viewer, Content Review, Reports, Support, and My Dashboards. The patient's name and date of birth (02/13/1934) are displayed, along with various clinical details like PCP, Language, Allergies (Niaci...), Primary Ins., CSN, and Code. The left sidebar contains a list of navigation options: Patient Summary, Specimen Inquiry, Chart Review, PHS Viewer, Synopsis, Immunizations, Order Entry, Education, Communications, and SnapShot. The main content area is titled "Allergy / Intolerance Record" and displays a table of active allergies. Below the table, there is a note about free text allergies and a link to view inactive allergies.

Allergen	Severity	Reaction	Comment	Updated
Adhesive		Hypotension		1/20/2015
aspirin		Anxiety		1/13/2015
bee venom protein (honey bee)		Diarrhea		1/13/2015
codeine		GI Upset		1/13/2015
penicillin G benzathine	mild	Diarrhea	test	1/13/2015

\* Free Text Allergies are not used in decision support  
Inactive Allergies (32)

## OE /eMAR Views

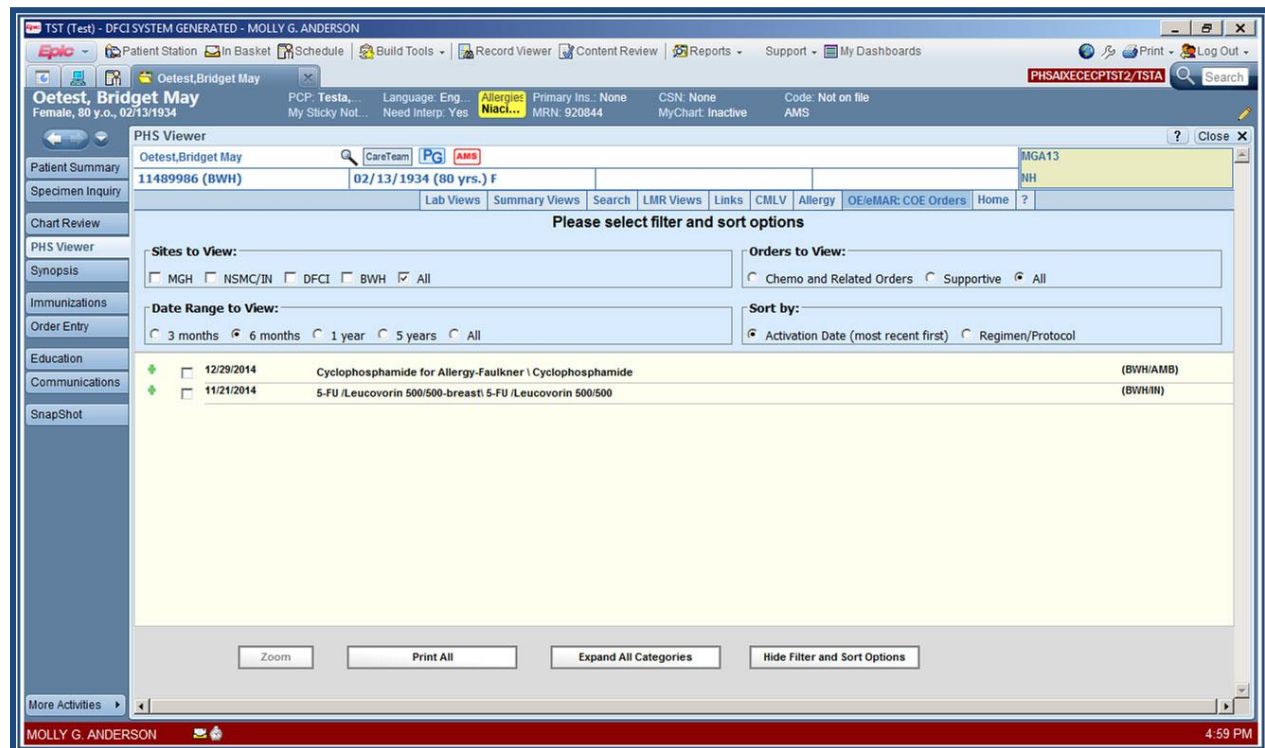
The OE/eMAR Views include COE Orders and MGH Orders historical views, and MGH eMAR historical overviews and reports.



### COE Orders:

The COE Orders page includes a list of all active chemo order sessions from applicable sites (the default view is for the past six months). This also includes chemotherapy and chemo-related (chemo sessions #2 and #3) orders as well as non-chemo (session #1) orders. Orders are sorted by activation date, most recent to oldest. You can change the time frame, update the filter and sort options, as well as display order details.

*Note: Historical data accessible through the COE Viewer will only be available for sites that currently order chemotherapy through the COE application. This includes chemotherapy and chemo-related orders from sites: MGH, NSMC/IN, DFCI, and BWH/FH. Users from all other Partners sites will still have access to the COE Orders page within the PHS Viewer, but results will only render from the sites listed above.*



## MGH Orders:

The MGH Historical Order Viewer allows you to search for any orders entered in Provider Order Entry at MGH before the Epic cutover time of 9:00 p.m. on April 1, 2016. You can limit the search to one or more visits, a range of dates, and one or more types of orders.

The screenshot shows the 'MGH HISTORICAL ORDER VIEWER' interface. At the top, it displays patient information for Oetest, Bridget May (Female, 80 y.o., 02/13/1934). The search criteria section includes a 'Visit Date' dropdown set to 'All', a 'Date Range' field with 'to' separators, and an 'Order Type(s)' dropdown menu. The dropdown menu is open, showing a list of order types: All, Blood Products, Chemo, Consults, Diagnostic Studies, Discharge, Discharge Instructions, Food and Nutrition, General Care, IV Fluids, Laboratory, Medication, Radiology, Respiratory, TPN, and VS/Restrains/Code Status. A 'Search Orders' button is located at the bottom right of the criteria section. A note at the bottom states: '\* Historical Allergy data can be accessed via the "Allergy" button in PHS Viewer.'

Searches result in a list of orders matching the criteria, in summary view. You can print the entire list, or individual orders, in either the summary or expanded format. Clicking an order in the list automatically displays a detailed view.

The screenshot shows the 'MGH HISTORICAL ORDER VIEWER' results screen. The search criteria are displayed at the top: 'Criteria - OrderType(s): Blood Products, Diagnostic Studies, IV Fluids; VisitDate: 04/16/2008; BeginDate: 03/15/2016, EndDate: 03/16/2016'. Below this, the 'Results (3)' section shows a table of orders:

Status	Visit Date	Order	Order Date
Active	04/16/2008	Electrocardiogram <More> Routine	03/15/2016 1:59 PM
Active	04/16/2008	D5W @15 mL/hr in Peripheral	03/15/2016 1:59 PM
Active	04/16/2008	Type and Screen Routine	03/15/2016 1:59 PM

Below the table, there is a 'Display More Orders' button and a 'Print All' button. At the bottom, there are radio buttons for 'Summary View' (selected) and 'Expanded View'. A 'Zoom' section is also visible at the bottom.



**MGH eMAR:**

The MGH eMAR page includes the Medication Overview and Chemotherapy Overview, with access to administration information, pain scales, lab and fingerstick results, and chemotherapy verification signatures, as well as all of the eMAR reports for both individual patients and care units.

The screenshot displays the MGH eMAR interface for patient Oetest, Bridget May. The top navigation bar includes links for Patient Station, In Basket, Schedule, Build Tools, Record Viewer, Content Review, Reports, Support, and My Dashboards. The patient's name, date of birth (02/13/1934), and gender (Female) are shown. The interface is divided into a left sidebar with navigation options (Patient Summary, Specimen Inquiry, Chart Review, PHS Viewer, Synopsis, Immunizations, Order Entry, Education, Communications, SnapShot) and a main content area. The main content area shows the 'Medication Administration Record - View Only' for the patient. It includes a 'Med Overview' section with a dropdown menu set to 'AHFS Class'. Below this is a table of medications and their administration times. The table has columns for dates from Sunday, 09/20 to Saturday, 10/03. The medications listed are FENTANYL (PATCH) 75 MCG/HR TRANSDERMAL Q7H and METHYLPHENIDATE 9 HOUR TRANSDERMAL PATCH 10 MG TRANSDERMAL QAM. The administration times are 11:37 and 13:26. The interface also includes a search bar, a 'Copy Meds' button, and a 'Find' field. The bottom status bar shows the user 'MOLLY G. ANDERSON' and the time '4:59 PM'.

Medication	Sun 09/20	Mon 09/21	Tue 09/22	Wed 09/23	Thu 09/24	Fri 09/25	Sat 09/26	Sun 09/27	Mon 09/28	Tue 09/29	Wed 09/30	Thu 10/01	Fri 10/02	Sat 10/03
FENTANYL (PATCH) 75 MCG/HR TRANSDERMAL Q7H	11:37			11:37	09:43									
METHYLPHENIDATE 9 HOUR TRANSDERMAL PATCH 10 MG TRANSDERMAL QAM									13:26					

## Home Page

The Home page allows the user to set preferences in both the PHS Viewer and the Results Web application. It also allows you to launch the Personal Panels Builder application to create personal panels of tests for use with Labs, All Labs, Last Known Values, and Patient Abstract views. Options allow you to modify the default settings for several views, including Labs, Summary, Big Board, Patient Abstract, All Labs, Last Known Values, and Notes.

The screenshot displays the Partners Healthcare EHR v1.1 interface. The main window is titled "Results/PHS Viewer Homepage" and shows a "User Preferences" dialog box. The dialog box has a "Save Changes" button and a note: "Settings apply to Results Web and PHS Viewer unless otherwise noted".

**Initial Results Page (Results Web Only)**  
Initial Results Page for PHS Viewer: Big Board

**Default Panel:** Full System Panels

**BWH Centricity:** Link to Image

**Labs Page**  
☒ Auto-submit on page load  
☒ Show Empty Panels and Subpanels

**Summary Page**  
View Summary Index on: Top.Filter/Sort  
☒ Auto-submit on page load  
☒ MR: Most Recent Date Range  
From: 1 Year

## ? (Help)

Displays a pop-up window containing specific details for the current page the user is viewing in the workspace. For example, if you are on the Big Board view and click the ? button, a window providing details about Big Board displays. The overview for each page contains a brief description of that view within the PHS Viewer as well as instructions regarding available options.

**Big Board Overview**

The Big Board displays the **elapsed time** since clinical **activity** was recorded in each data category or in each **datatype** (depending on whether you are using the Collapsed view or Expanded view).

Check boxes at the top of the view allow you to select the **sites** from which you want to pull data. The Big Board displays results data in a grid, with datatypes organized by column and row.

Note: All datatypes are available for MGH and BWI. Click here for details on datatypes for other sites.

If a patient has activity for a datatype, a time value (such as "2dy," "1hr," "12min," etc.) appears beneath the column heading. Values under 31 minutes are highlighted in blue. Values posted today are highlighted in light blue. Click a time value to display result details.

When viewing notes from the Big Board, you can set a **preference** to display the Notes Filter/Sort View instead of the default view.

► [To change to the Expanded or Collapsed view](#)

► [To refresh the Big Board](#)

**Related Topics**

- [Interpreting Result Codes by Site](#)
- [Interpreting Patient Flags and Symbols](#)
- [View Demographic Information](#)
- [Viewing a Blood Bank Product Summary \(BWH, MEEI, MGH, NSMC, NWH\)](#)
- [Setting Big Board Preferences](#)