

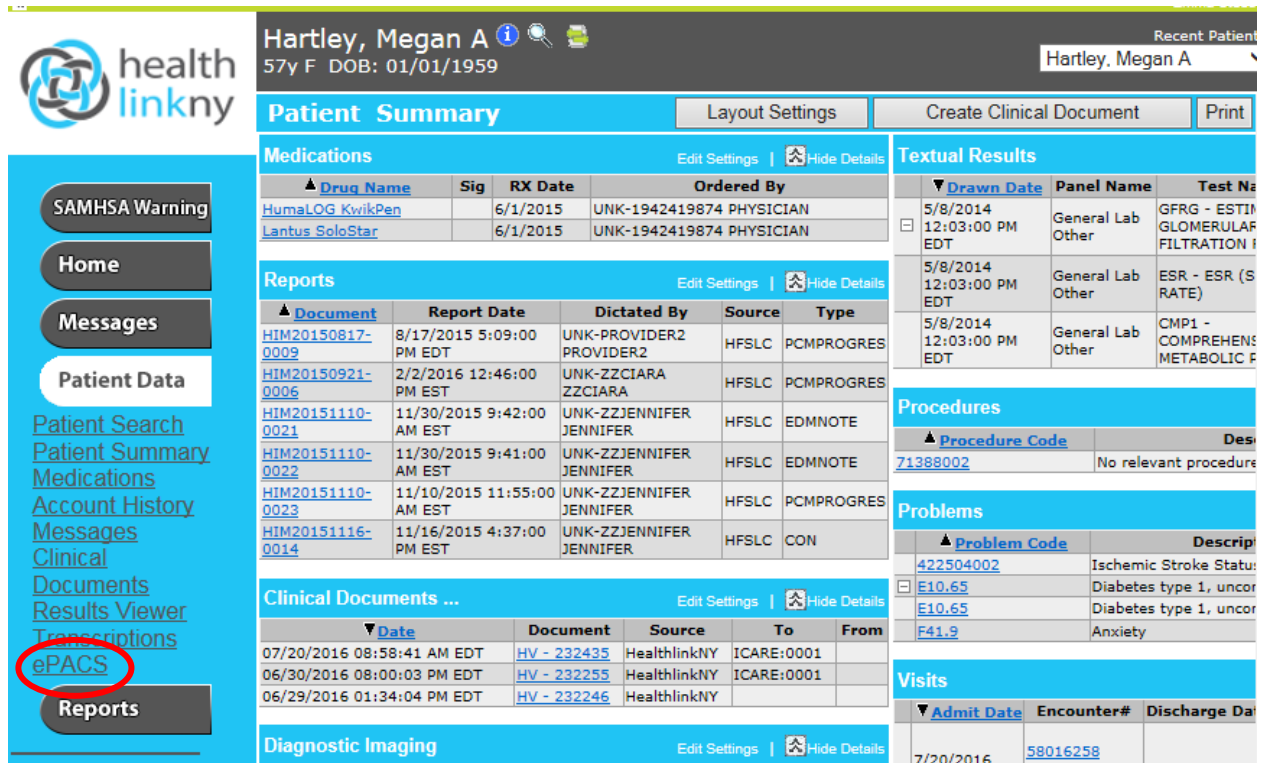
PACS Viewer Quick Start Guide

8/4/2016

HealthlinkNY provides image viewing technology on the HealthlinkNY Health Information Exchange (HIE) Web Portal through the HealthlinkNY Community PACS Viewer. The HealthlinkNY Web Portal provides our users with “one click” access to diagnostic quality medical images from any connected image provider, providing a rich suite of diagnostic quality image viewing tools. With the HealthlinkNY Community PACS there is no need to install a viewing application on your local machine, the viewer works with all common browsers presenting images in full diagnostic quality, making it simpler than ever to view your patients’ images whenever and wherever needed.

There are two ways to View a PACS image:

1. “ePACS” button under “Patient Data”



The screenshot shows the HealthlinkNY PACS Viewer interface for patient Hartley, Megan A. The interface includes a navigation sidebar on the left with buttons for SAMHSA Warning, Home, Messages, Patient Data, and Reports. The Patient Data section is highlighted, and the ePACS button is circled in red. The main content area displays patient information, Medications, Reports, Clinical Documents, and Diagnostic Imaging. The Reports section is expanded, showing a list of reports with columns for Document, Report Date, Dictated By, Source, and Type. The Clinical Documents section shows a list of documents with columns for Date, Document, Source, To, and From. The Diagnostic Imaging section shows a list of imaging studies with columns for Date, Encounter#, and Discharge Date.

Document	Report Date	Dictated By	Source	Type
HIM20150817-0009	8/17/2015 5:09:00 PM EDT	UNK-PROVIDER2 PROVIDER2	HFSLC	PCMPROGRES
HIM20150921-0006	2/2/2016 12:46:00 PM EST	UNK-ZZCIARA ZZCIARA	HFSLC	PCMPROGRES
HIM20151110-0021	11/30/2015 9:42:00 AM EST	UNK-ZZJENNIFER JENNIFER	HFSLC	EDMNOTE
HIM20151110-0022	11/30/2015 9:41:00 AM EST	UNK-ZZJENNIFER JENNIFER	HFSLC	EDMNOTE
HIM20151110-0023	11/10/2015 11:55:00 AM EST	UNK-ZZJENNIFER JENNIFER	HFSLC	PCMPROGRES
HIM20151116-0014	11/16/2015 4:37:00 PM EST	UNK-ZZJENNIFER JENNIFER	HFSLC	CON



Date	Document	Source	To	From
07/20/2016 08:58:41 AM EDT	HV - 232435	HealthlinkNY	ICARE:0001	
06/30/2016 08:00:03 PM EDT	HV - 232255	HealthlinkNY	ICARE:0001	
06/29/2016 01:34:04 PM EDT	HV - 232246	HealthlinkNY		

Date	Encounter#	Discharge Date
7/20/2016	58016258	

1. This will prompt a complete list of all the available studies for your patient. Click on the study or studies that you would like to view. *(Please note that you can view two images at the same time)*

HIE Imaging Worklist


Available Studies for This Patient Show Filters

	Status	MRN	Location	Study Date	Study Description	Modality	Accession #
<input type="checkbox"/>		4840381	UHS	07/13/2006	BREAST ULTRASOUND LEFT	US	4692112
<input type="checkbox"/>		4840381	UHS	06/06/2006	ABDOMEN, 2 VIEW X-RAY	CR	4644497





















View Studies

2. Recent exams are held in storage for rapid loading these are indicated by a green circle. Older exams are also available, but may need to be retrieved from their original PACS location, which will require additional time to load indicated by the yellow. If the study is in recent storage, it will appear in a few seconds – if it needs to be retrieved, a message will appear to indicate that. If a red circle appears the study is unavailable, please call the Help Desk 844.840.0050.
3. Once you have selected the study/studies you would like to view click on **View Studies**. This will prompt your selection(s) to launch.
4. To close the viewer, simply close your browser.
5. Ensure Adobe® Flash® is installed on your browser to enable eHealthViewer® ZF. If you initially receive a message that your browser has blocked pop-ups from your HIE's server location, choose "Always allow for this site". (note: the wording will vary depending on your browser and version)

2. Find Images in “Patient Summary”:

1. Open a Radiology or Cardiology report as you normally would using the HealthlinkNY Web Portal
2. At the bottom of the report a [View Detail](#)  icon appears for studies that may have images available.
3. Select this icon to automatically launch the eHealthViewer® ZF application within your browser and the associated images will be automatically loaded for viewing
4. Recent exams are held in storage for rapid loading. Older exams are also available, but may need to be retrieved from their original PACS location, which will require additional time to load. If the study is in recent storage, it will appear in a few seconds – if it needs to be retrieved, a message will appear to indicate that.
5. To close the viewer, simply close your browser.
6. Ensure Adobe® Flash® is installed on your browser to enable eHealthViewer® ZF. If you initially receive a message that your browser has blocked pop-ups from your HIE’s server location, choose “Always allow for this site”. (note: the wording will vary depending on your browser and version)

Commonly Used Functions

 <p>Fullscreen: Select this icon, in the upper right corner of the display, to enable full screen viewing.</p>  <p>Show Available Studies: Enables available series to be viewed and dragged to a viewing window. Click again to remove thumbnails from view.</p>  <p>Navigate: The Cursor tool allows users to enter image paging mode.</p>  <p>Zoom/Pan: The mouse wheel or other scrolling tool permits zooming in and out. Hold the left mouse button to pan the image.</p>  <p>Window/Level: The Window/Level tool changes window width and level center (image contrast and brightness).</p>  <p>Invert Brightness: This tool inverts the polarity of an image (black -> white, white -> black).</p>  <p>Flip / Rotate: The Flip tool will flip an image on its vertical axis (left-to-right).</p>  <p>Toggle Demographics: Patient and study-related (META) data can be toggled ON and OFF with the use of this tool.</p>  <p>Triangulation: Displays an overlay on a corresponding point on another series in a different plane. Hold and drag to reposition.</p>  <p>Toggle Reference Lines: Toggles Scout/Reference lines on and off.</p>  <p>Link Series: Enables a set of common operations (Navigate, Window/Level, Zoom/Pan) to be performed on a group of series. Navigation linking will adjust automatically to anatomical position.</p>	 <p>Cine: The Cine Tool allows a series to be displayed like a movie. The speed and subset of images displayed may also be adjusted.</p>  <p>Linear Measurement: The Linear Measurement tool provides the ability to make length measurements.</p>  <p>Angle Measurement: The Angle Measurement tool allows for the measurement of angles.</p>  <p>ROI Tool (Ellipse): Analyzes the selected elliptical region to provide area, size, Hounsfield Units (HU) and standard deviation in mm.</p>  <p>ROI Tool (Freeform): Analyzes the selected freeform region to provide area, size, Hounsfield Units (HU) and standard deviation in mm.</p>  <p>Cobb Angle Measurement: Enables capabilities such as measuring spinal curve progression to quantify scoliosis.</p>  <p>Eraser: The Eraser tool allows the user to select and erase measurements and markup.</p>  <p>Revert to Original: Allows the user to reset a series of images to their original state.</p>  <p>Layout: This tool allows the user to define how images (dashed squares) and series (solid squares) are presented in the viewing windows.</p>  <p>Collaboration (Share This Session): Users viewing same patient exam(s) can collaborate in real-time with one-click.</p>
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Note: Double clicking on any series or image pane will expand it to fill up the viewing window in a 1x1 layout.