



Access diagnostic images from hospitals, specialists and clinics across the region.

X-rays, MRIs and more—at your fingertips

The information clinicians need

Rochester RHIO's Image Exchange gives every doctor a complete picture of their patients, in emergencies or routine visits.

Physicians often need to see diagnostic images that were captured somewhere else—the first X-ray of an injury, a mammogram from a previous physician's treatment, or an MRI done by a radiology center before the patient was hospitalized. Accessing these images has traditionally been a time-consuming chore, requiring staff to call other offices, log into multiple picture archiving and communication systems (PACS), or ask patients to bring them. In many cases, it has been easier simply to order a new exam—which adds time and cost to the treatment, and can expose patients to unnecessary radiation.

Rochester RHIO offers a fast, secure, and convenient way to access images from most radiology providers in the area. The RHIO's Image Exchange provides access to diagnostic-quality images, on any Internet-connected computer. View and compare images in seconds. Analyze without downloading software. Easily access full-resolution diagnostic image studies.

More than 175,000 images are added to the Image Exchange every month, from 23 hospitals and major imaging providers—a complete list of image providers, and the modalities included, is available at providerportal.grrhio.org.

Image Exchange Features

HIE Worklist: With one click, users can review a list of all diagnostic images available for a patient, with the option to instantly view these studies.

Collaborate with the Clinical Team: The RHIO's Image Exchange supports remote collaboration. Providers can remotely consult with a colleague or access data for grand rounds with the patient's clinical care team. This feature gives multiple users the ability to collaborate on a patient case with full access to the viewer's image manipulation tools.

*Transfer to PACS: A cutting-edge solution that provides a "universal" image that can be viewed on any PACS system. Using Transfer to PACS will allow more efficient workflows and faster image viewing, leading to reduced costs associated with viewing patient images. *Charges may apply



What is the Image Exchange?

Rochester RHIO's Explore+ includes access to your patients' radiology and cardiology images—with a diagnostic-quality viewer, instantly and on any computer. Explore+ users can view imaging studies from hospitals, specialists and radiology centers throughout the Finger Lakes region, and compare images in seconds.



Rochester RHIO
Greater Rochester Regional Health
Information Organization

<https://RochesterRHIO.org>
1.877.865.RHIO (7446)

Viewing a Report



Jane Rochester | 05/15/1938 | 81 yrs | Female | Community ID: 777779050 |
 123 Maple Street Rochester, NY, 14623

Select a Result

Imaging - CAROTID ULTRASOUND NEUROLOGY LIMITED

ENCOUNTER SUMMARY		ORDER DETAILS						
Source	RHIO	Flag	Status	Order Number	Accession Number	Priority	Collected On	Reported On
Encounter Type	E			312028354	45632441	STAT	02/06/2020 09:10:00	02/06/2020 09:10:00
Service	Observation	NOTES						
Admission Date	02/05/2020 06:56:18	Abnormal						
Discharge Date		Technique: Grayscale, color Doppler, and spectral Doppler ultrasound of the carotid system was performed.						
SERVICE PROVIDERS		Discussion:						
Admitting Provider		Findings consistent with minimal stenosis of both internal carotid arteries. Plaque is imaged at both carotid bifurcations. Normal						
Attending Provider	KRISTINE L TENERLING, FRANK C SKURPSKI, RICHARD EVAN COIA							
Ordering Provider	HEATHER GRODKE, Heather Grodke							
Referring Provider								

1. Open a report as you normally would in Explore+.
2. To see an image associated with a report, click "View Image."
3. A separate DICOM image viewer will automatically launch in your browser. Pop-ups need to be allowed so that the image displays.
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.
5. To close the viewer, simply close your browser.

Contact us today!

To learn more about RHIO Image Exchange or other RHIO services, contact:

Customer Service:
1.877.865.RHIO (7446)

Online Support Request:
providerportal.grrhio.org

Email: info@grrhio.org



Commonly Used Functions

	Full Screen: Selecting this icon in the upper right corner of the display will enable full screen viewing.		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.
	Show Available Studies: Enables available series to be viewed and dragged to a viewing window. Click again to remove thumbnails from view.		Linear Measurement: The Linear Measurement tool provides the ability to make length measurements.
	Navigate: The Cursor tool allows users to enter image paging mode.		Angle Measurement: The Angle Measurement tool allows for the measurement of angles.
	Zoom/Pan: The mouse wheel or other scrolling tool permits zooming in and out. Hold the left mouse button to pan the image.		ROI Tool (Ellipse): Analyzes the selected elliptical region to provide area, size, Hounsfield Units (HU), and standard deviation in mm.
	Window/Level: The Window/Level tool changes window width and level center (image contrast and brightness).		ROI Tool (Freeform): Analyzes the selected freeform region to provide area, size, Hounsfield Units (HU), and standard deviation in mm.
	Invert Brightness: This tool inverts the polarity of an image (black to white, white to black).		Eraser: The Eraser tool allows the user to select and erase measurements and markup.
	Flip/Rotate: The Flip tool will flip an image on its vertical axis (left to right).		Revert to Original: Allows the user to reset a series of images to their original state.
	Toggle Demographics: Patient and study-related (META) data can be toggled ON and OFF with the use of this tool.		Layout: This tool allows the user to define how images (dashed squares) and series (solid squares) are presented in the viewing windows.
	Triangulation: Displays a cross-hair overlay on a corresponding point on another series in a different plane. Hold down and drag to reposition the point of interest.		Cine: The Cine Tool allows a series to be displayed like a movie. The speed and subset of images displayed may also be adjusted.
	Toggle Reference Lines: Toggles Scout/Reference lines ON and OFF.		NEW Collaboration (Share This Session): Users viewing same patient exam(s) can collaborate in real time with one click.