



**QUALITY  
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Improving care through shared technology

**QualityHealthNetwork.org**

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Thank you for joining the QHN Hot Topics session

# ***HIE Worklist, Transfer to PACS, and Emergent Workflow***

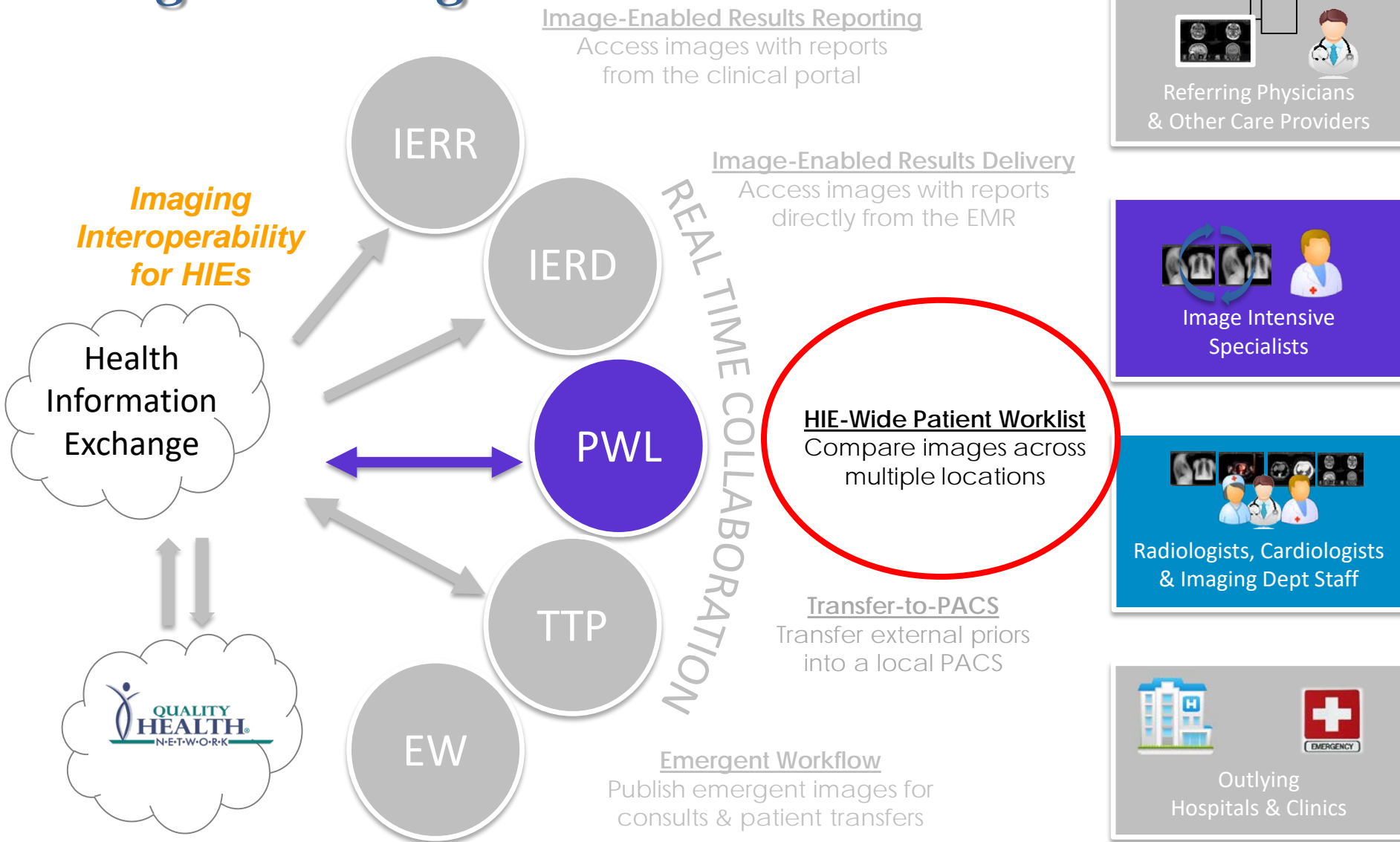
***Presented by: Sherri Corey, QHN Senior Community Advisor***

**September 19, 2018**

Presentation will begin shortly.

Please place your phone and computer microphone on mute during the presentation – thank you!

# Image Exchange



Worklist of all imaging studies for any patient in the community:

## ***“Virtual Community-Wide PACS”***

**View & Compare** multiple imaging studies from the same or different locations side-by-side



# Accessing the HIE-Wide Imaging Worklist from the Patient Summary

eHT HIE Worklist

My Results Patients

**Patient Actions**

- Back to List
- Download CCD
- Download CCDA CCD
- Download Summary PDF
- Share Summary
- Send Summary to Me
- View Clinical Messages
- Configure Layout
- Filter Displayed Items By Date

**Home, Goodtobe**

Summary More Patient Information Patient Groups Patient Documents eHT HIE Worklist

**Laboratories (12)**

Date	Name	Source
06/11/2014	TOTAL CHOLESTEROL, A1C	CGH
03/09/2013	DIFFERENTIAL - AUTO	CGH
03/09/2013	CHEM7	CGH
03/09/2013	CBC W/ AUTO DIFF	CGH
03/09/2013	MAGNESIUM	CGH
03/28/2013	PT therapy/ INR	CGH
03/28/2013	ABO & RH	CGH

**Imaging (4)**

Date	Name	Source
09/04/2016	XR PORTABLE CHEST	EDGLB2
03/29/2013	FLUORO, UP TO ONE HR	CGH
03/29/2013	CHEST, SINGLE VV (A/P-PIA)	CGH
03/28/2013	ANKLE, COMP., (3 VIEWS)	CGH

**Transcriptions (2) Documents (0)**

Date	Name
08/18/2016	Care Alert
04/01/2013	OPERATIVE REPORT

Summary More Patient Information External Document Search Patient Documents Lab Charts eHT HIE Worklist

**Home, Goodtobe** DOB: 05/31/1957 Gender: M

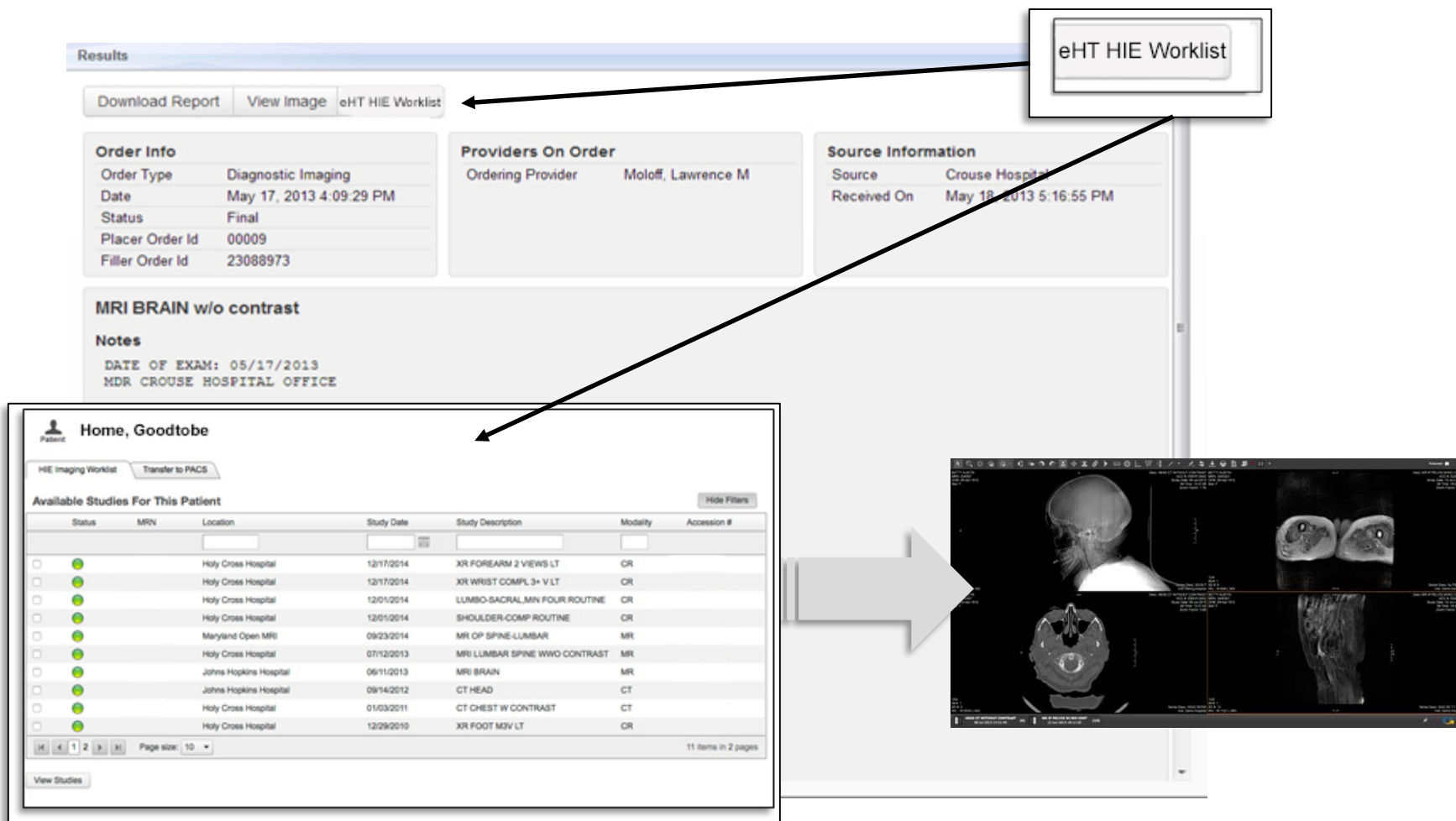
HIE Imaging Worklist Transfer to PACS

**Available Studies for This Patient** Show Filters

Status	MRN	Location	Study Date	Study Description	Modality	Accession #
<input type="checkbox"/>		St. Mary's Hospital and Regional Medical Center	09/13/2018	XR CHEST PORTABLE 1 VIEW	PR/CR/SR	
<input type="checkbox"/>		St. Mary's Hospital and Regional Medical Center	09/11/2018	ECHOCARDIOGRAM - ADULT	US	
<input type="checkbox"/>		Community Hospital	09/10/2018	CHEST-PORTABLE	PR/CR	
<input type="checkbox"/>		Community Hospital	09/10/2018	CHEST-PORTABLE	CR/PR	
<input type="checkbox"/>		Community Hospital	09/10/2018	CT ANGIO CHEST W/WO CONTRAST	CT/PR	
<input type="checkbox"/>		Community Hospital	09/10/2018	CT ANGIO CHEST W/WO CONTRAST	CT/PR	
<input type="checkbox"/>	Load	St. Mary's Hospital and Regional Medical Center	09/10/2018	EKG	PR/ECG	
<input type="checkbox"/>		St. Mary's Hospital and Regional Medical Center	09/10/2018	US VENOUS LOWER EXT DOPPLER BILATERAL	US/SR	
<input type="checkbox"/>		Community Hospital	08/20/2018	CHEST-PORTABLE	PR/CR	
<input type="checkbox"/>		Community Hospital	08/20/2018	CHEST-PORTABLE	PR/CR	

Page size: 10 163 items in 17 pages

# Accessing the HIE-Wide Imaging Worklist & Transfer to PACS from a Results Report



The screenshot illustrates the workflow for accessing the HIE-Wide Imaging Worklist and transferring studies to PACS from a Results Report. The interface is divided into several sections:

- Results Header:** Includes buttons for "Download Report", "View Image", and "eHT HIE Worklist".
- Order Info:**
  - Order Type: Diagnostic Imaging
  - Date: May 17, 2013 4:09:29 PM
  - Status: Final
  - Placer Order Id: 00009
  - Filler Order Id: 23088973
- Providers On Order:**
  - Ordering Provider: Molooff, Lawrence M
- Source Information:**
  - Source: Crouse Hospital
  - Received On: May 18, 2013 5:16:55 PM
- MRI BRAIN w/o contrast**
- Notes:**
  - DATE OF EXAM: 05/17/2013
  - MDR CROUSE HOSPITAL OFFICE

An arrow points from the "eHT HIE Worklist" button to a separate window titled "Home, Goodtobe". This window displays the "HIE Imaging Worklist" and "Transfer to PACS" options. Below these, a table lists "Available Studies For This Patient":

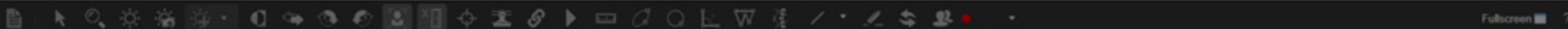
Status	MRN	Location	Study Date	Study Description	Modality	Accession #
<input type="checkbox"/>		Holy Cross Hospital	12/17/2014	XR FOREARM 2 VIEWS LT	CR	
<input type="checkbox"/>		Holy Cross Hospital	12/17/2014	XR WRIST COMPL 3+ V LT	CR	
<input type="checkbox"/>		Holy Cross Hospital	12/01/2014	LUMBO-SACRAL MIN FOUR ROUTINE	CR	
<input type="checkbox"/>		Holy Cross Hospital	12/01/2014	SHOULDER-COMP ROUTINE	CR	
<input type="checkbox"/>		Maryland Open MRI	09/23/2014	MR OP SPINE-LUMBAR	MR	
<input type="checkbox"/>		Holy Cross Hospital	07/12/2013	MRI LUMBAR SPINE WWO CONTRAST	MR	
<input type="checkbox"/>		Johns Hopkins Hospital	06/11/2013	MRI BRAIN	MR	
<input type="checkbox"/>		Johns Hopkins Hospital	09/14/2012	CT HEAD	CT	
<input type="checkbox"/>		Holy Cross Hospital	01/03/2011	CT CHEST W CONTRAST	CT	
<input type="checkbox"/>		Holy Cross Hospital	12/29/2010	XR FOOT MOV LT	CR	

At the bottom of the table, it indicates "11 items in 2 pages". A "View Studies" button is located at the bottom left. An arrow points from the "Transfer to PACS" button to a PACS viewer window displaying multiple medical images, including axial and sagittal views of a brain scan.

# *Accessing the HIE-Wide Imaging Worklist from the Patient Summary*

eHealthViewer ZF - Google Chrome

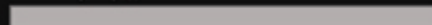
https://secure-qhn-ehvzf.ehgt.com/eunityServer/eunityViewer?studyUID=1.2.840.113845.11.1000000002170592405.20180917060845.4843683|1.2.840.113845.11.1000000002170592405.20180914070428.4841780|2.16.840.1.11415.1.131396773032531676003930638785142904870180910|1.3.6.1.4.1.2384...



Fullscreen ?

## Downloading Image(s)

Downloading Image(s) for accession number.



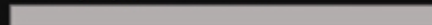
Loading 1 of 3 Image(s), 0%

Downloading Image(s) for accession number.



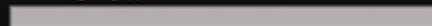
Loading 1 of 2 Image(s), 0%

Downloading Image(s) for accession number.



Loading 1 of 4 Image(s), 0%

Downloading Image(s) for accession number.



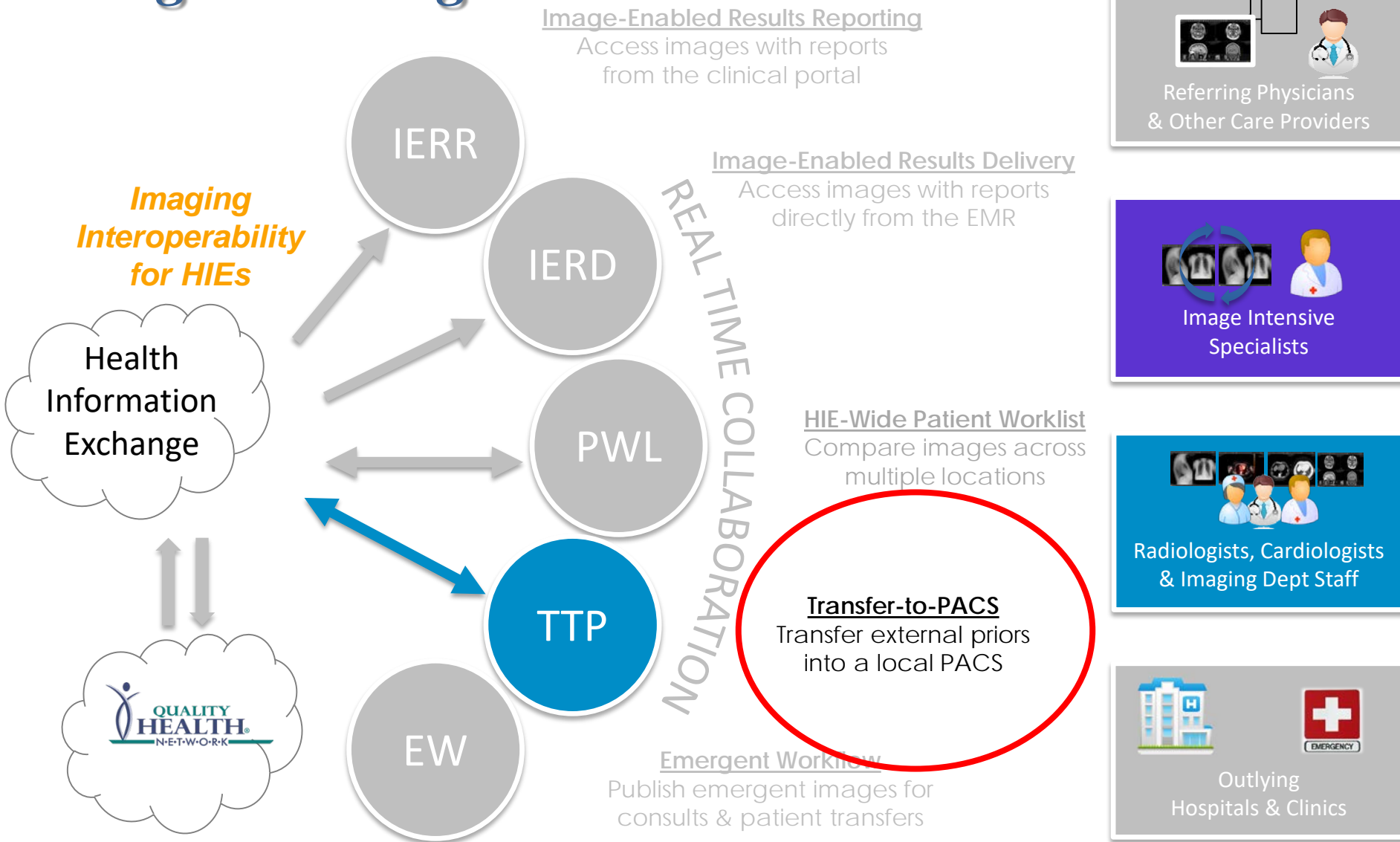
Loading 1 of 4 Image(s), 0%

Cancel

View Partial Study



# Image Exchange



**Worklist of all imaging studies for any patient in the community:**

## ***“Virtual Community-Wide PACS”***

**Transfer** DICOM studies between  
locations with a single click

- ✓ No manual patient matching
- ✓ Little or no manual reconciliation





## *Transfer to PACS*

- *Transfer selected imaging studies from one or more external locations with a single click*
- *Save time and money by eliminating costly, manual processes*
- *Access images your way – simply and efficiently*
- *Patient Friendly*

# Accessing Transfer to PACS from the Patient Summary

My Results Patients

Patient > Home, Goodtobe

**Patient Actions**

- Back to List
- Download CCD
- Download CCDA CCD
- Download Summary PDF
- Share Summary
- Send Summary to Me

**Home, Goodtobe**

Summary More Patient Information Patient Groups Patient Documents eHT HIE Worklist

**Laboratories (12)**

Date	Name	Source
06/11/2014	TOTAL CHOLESTEROL, A1C	CGH
03/05/2013	DIFFERENTIAL - AUTO	CGH

**Imaging (4)**

Date	Name	Source
09/04/2016	XR PORTABLE CHEST	EDGLB2
01/06/2013	FLUORO UP TO ONE WB	CGH

HIE Imaging Worklist Transfer to PACS Transfer History

**Transfer Studies to PACS**


Hide	Status	MRN	Location	Study Date	Study Description	Modality	Accession #
<input type="checkbox"/>			Community Hospital	09/10/2018	CHEST-PORTABLE	CR\PR	
<input type="checkbox"/>			Community Hospital	09/10/2018	CHEST-PORTABLE	CR\PR	
<input type="checkbox"/>			Community Hospital	09/10/2018	CT ANGIO CHEST W/WO CONTRAST	CT\PR	
<input type="checkbox"/>			Community Hospital	09/10/2018	CT ANGIO CHEST W/WO CONTRAST	CT\PR	
<input type="checkbox"/>			Community Hospital	09/10/2018	EKG	ECG\PR	
<input type="checkbox"/>			Community Hospital	08/20/2018	CHEST-PORTABLE	CR\PR	
<input type="checkbox"/>			Community Hospital	08/20/2018	CHEST-PORTABLE	CR\PR	
<input type="checkbox"/>			Community Hospital	08/20/2018	EKG	ECG	
<input type="checkbox"/>			Community Hospital	08/17/2018	CHEST-2 VIEWS	CR\PR	
<input type="checkbox"/>			Community Hospital	08/17/2018	CHEST-2 VIEWS	CR\PR	

Page size: 10

Transfer Studies to PACS: SMHRMC PACS

# Accessing Transfer to PACS from the Patient Summary























☐  Community Hospital 07/18/2018 MRI BRAIN W/WO CONTRAST MR\PR

☐  Community Hospital 07/18/2018 MRI BRAIN W/WO CONTRAST MR\PR

Specify new values for the destination PACS : MRN:  Accession Number:   

## Transfer Studies to PACS

Show Filters

Status	MRN	Location	Study Date	Study Description	Modality	Accession #
<input type="checkbox"/> 		Community Hospital	08/17/2018	CT ANGIO CHEST W/WO CONTRAST	CT\PR	
<input type="checkbox"/> 		Community Hospital	08/17/2018	CT ANGIO CHEST W/WO CONTRAST	CT\PR	
<input checked="" type="checkbox"/> 		Community Hospital	08/17/2018	EKG	ECG	
Attributes of this study will be modified when transferred.						
<input type="checkbox"/> 		Community Hospital	08/01/2018	CHEST-PORTABLE	CR\PR	
<input type="checkbox"/> 		Community Hospital	08/01/2018	CHEST-PORTABLE	CR\PR	
<input type="checkbox"/> 		Community Hospital	07/30/2018	CHEST-PORTABLE	CR\PR	
<input type="checkbox"/> 		Community Hospital	07/30/2018	CHEST-PORTABLE	CR\PR	
<input type="checkbox"/> 		Community Hospital	07/30/2018	CT ANGIO CHEST W/WO CONTRAST	CT\PR	
<input type="checkbox"/> 		Community Hospital	07/30/2018	CT ANGIO CHEST W/WO CONTRAST	CT\PR	
<input checked="" type="checkbox"/> 		Community Hospital	07/18/2018	MRI BRAIN W/WO CONTRAST	MR\PR	

Attributes of this study will be modified when transferred.

14 1 2 3 4 5 6 7 8 9 10 ... Page size: 10

160 items in 16 pages

Transfer Studies to PACS: SMHRMC PACS

# Transfer History

My Results **Patients**

Patient » Home, Goodtobe

**eHT HIE Worklist**

**Home, Goodtobe**

Summary More Patient Information Patient Groups Patient Documents eHT HIE Worklist

**Laboratories (12)**

Date	Name	Source
06/11/2014	TOTAL CHOLESTEROL, A1C	CGH
03/09/2013	DIFFERENTIAL - AUTO	CGH
03/09/2013	CHEM7	CGH
03/09/2013	CBC W/ AUTO DIFF	CGH
03/09/2013	MAGNESIUM	CGH
03/28/2013	PT therapy/ INR	CGH

**Imaging (4)**

Date	Name	Source
09/04/2016	XR POSSIBLE CHEST	EDGLB2
03/29/2013	FLUORO, UP TO ONE HR	CGH
03/29/2013	CHEST SINGLE VW (AP-PIA)	CGH
03/28/2013	ANKLE, COMP. (3 VIEWS)	CGH

HIE Imaging Worklist Transfer to PACS **Transfer History**

Transferred Studies to Location [St. Mary's Hospital and Regional Medical Center] for the Last 24 Hours Refresh

Transfer Status	Name	Location (source)	Modality	Study Date (source)	Study Description	Request Start Time	Request Finish Time	Patient DOB
No records to display.								

Refresh

# Transfer History

My Results **Patients**

Patient > Home, Goodtobe

**Patient Actions**

- Back to List
- Download CCD
- Download CCDA CCD
- Download Summary PDF
- Share Summary
- Send Summary to Me
- Configure Layout

## Home, Goodtobe

Summary | More Patient Information | Patient Groups | Patient Documents | eHT HIE Worklist

**Laboratories (12)**

Date	Name	Source
06/11/2014	TOTAL CHOLESTEROL, A1C	CGH
03/00/2013	DIFFERENTIAL - AUTO	CGH
03/00/2013	CHEM7	CGH

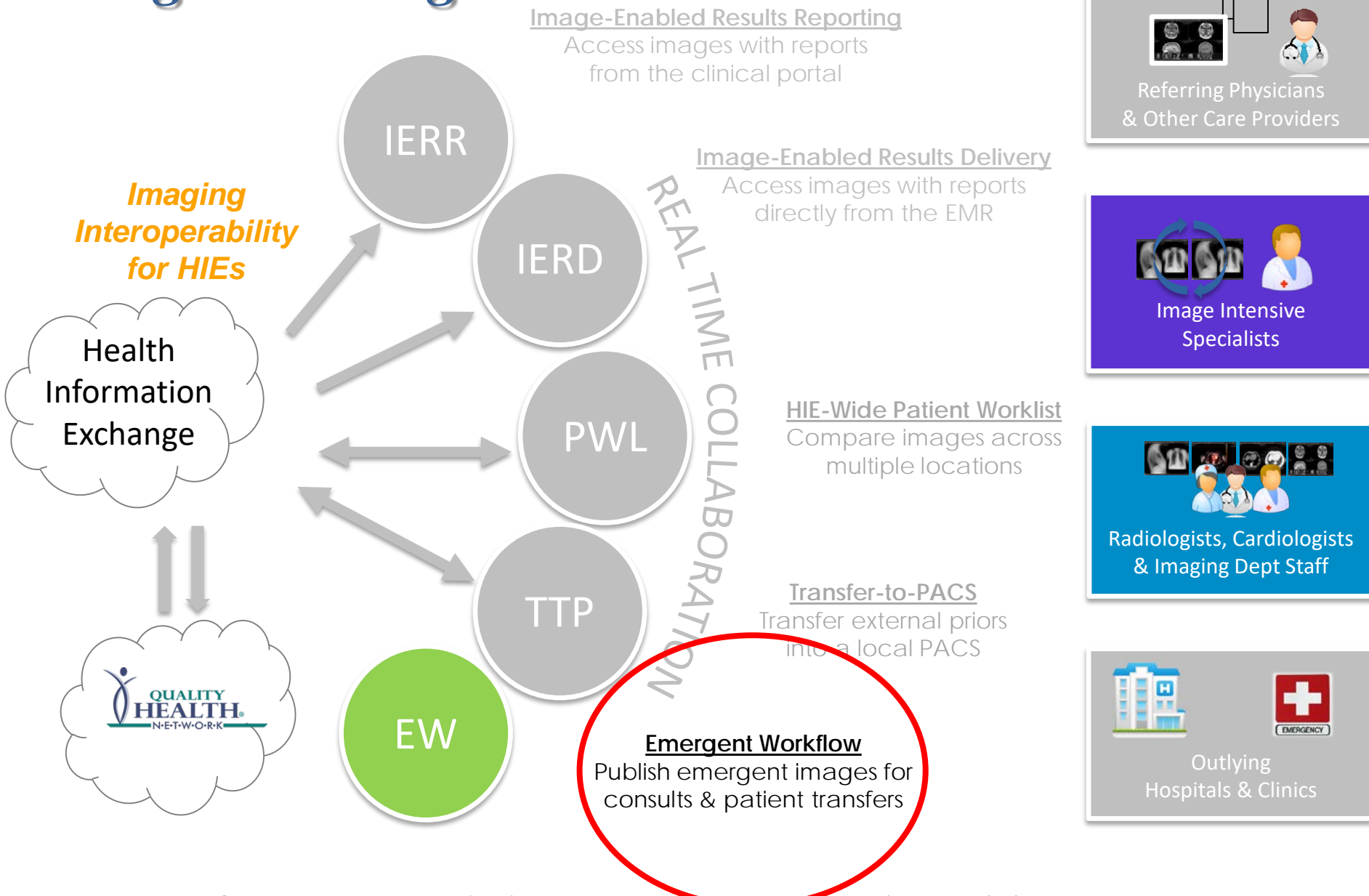
**Imaging (4)**

Date	Name	Source
09/04/2016	XR PORTABLE CHEST	EDGLB2
03/29/2013	FLUORO, UP TO ONE HR	CGH
03/29/2013	CHEST, SINGLE VW (A/P-PIA)	CGH

Transferred Studies to Location [St. Mary's Hospital and Regional Medical Center] for the Last 30 Days Refresh

Transfer Status	Name	Location (source)	Modality	Study Date (source)	Study Description	Request Start Time	Request Finish Time	Patient DOB	Gender	TTP User	Patient ID (destination)	Accession Number (destination)
		Family Health West	DR	10/19/17	XR Spine Cerv 4-5 Views	08/28/18 10:22:53	08/28/18 10:23:25	11/23/1944	M	s010002		
		Family Health West	DR	08/07/17	XR Spine Cerv 2 or 3 Views	08/28/18 10:29:01	08/28/18 10:29:48	11/23/1944	M	s010002		
		Family Health West	MR	10/16/17	MRI Knee w/o Cont Rt	08/28/18 10:36:14	08/28/18 10:39:36	06/27/1945	M	s010002		
		Family Health West	DR	02/07/18	XR Abdomen 2 Views	08/28/18 11:00:30	08/28/18 11:01:07	01/08/1946	F	s010002		
		Family Health West	DR	08/24/17	XR Spine Lumbosacral Min 4 Views	08/28/18 11:12:48	08/28/18 11:13:37	04/04/1942	M	s010002		
		Family Health West		09/05/17		08/28/18 8:52:06	08/28/18 8:59:24	Unknown		QA_User		
		Family Health West	MR	09/05/17	MRI Spine Cervical w/o Cont	08/28/18 9:02:14	08/28/18 9:06:54	04/04/1942	M	QA_User		

# Image Exchange





# Share Imaging Studies Through the HIE for Immediate Community-Wide Access

***When every minute counts.*** *Emergent Workflow* can be added to the QHN Image Exchange platform, allowing Health Information Exchange users to share images on a stat basis with other caregivers, within minutes of the exam being performed—before reading and results reporting have occurred. This is a particularly useful capability for remote clinics, smaller hospitals, and after-hours situations when clinical staff are not on-site to diagnose and treat emergency cases.

# Emergent Image Access from the QHN Results Query Portal

My Results Patients  
Patient » Home, Goodtobe

## Patient Actions

- Back to List
- Download CCD
- Download CCDA CCD
- Download Summary PDF
- Share Summary
- Send Summary to Me
- Configure Layout

## Home, Goodtobe

Summary More Patient Information External Document Search Patient Groups Patient Documents Lab Charts eHT HIE Worklist **Emergent Imaging**

### Inpatient Encounters (2)

More ▾

Date	Type	Source
02/04/2013		IMG
02/04/2013		IMG

### Problems (0)

No Problems to display

### Imaging (2)

Date	Name	Source
12/17/2014	XR FOREARM 2 ...	IMG
03/17/2009	XR CHEST 2 VIEW	IMG

### Laboratories (0)

No Laboratories to display

### Medications (0)

No Medications to display

### Allergies (0)

No Allergies to display

*Questions?*



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## *Contact Us:*

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**Grand Junction, CO 81506**