



Connecting Two Diagnostic Imaging Repositories

Jason Nagels
Clinical Lead
Hospital Diagnostic Imaging
Repository

Eric Sun
Senior Project Manager
GTA West DI-r, University
Health Network

Diagnostic Imaging Repository
GTA West



What is the Challenge?



Diagnostic Imaging Repository
GTA West

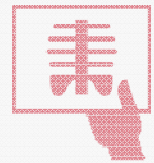


Building a Diagnostic Imaging Repository



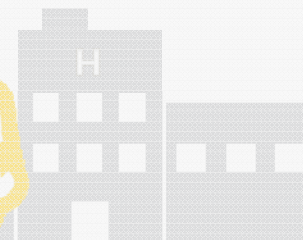
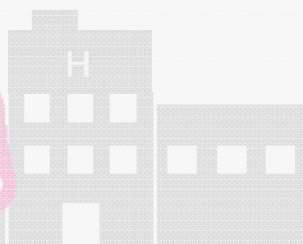
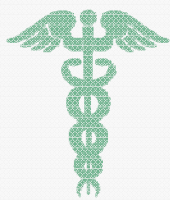
Diagnostic Imaging Repository
GTA West

Facilitates Collaboration between Clinicians



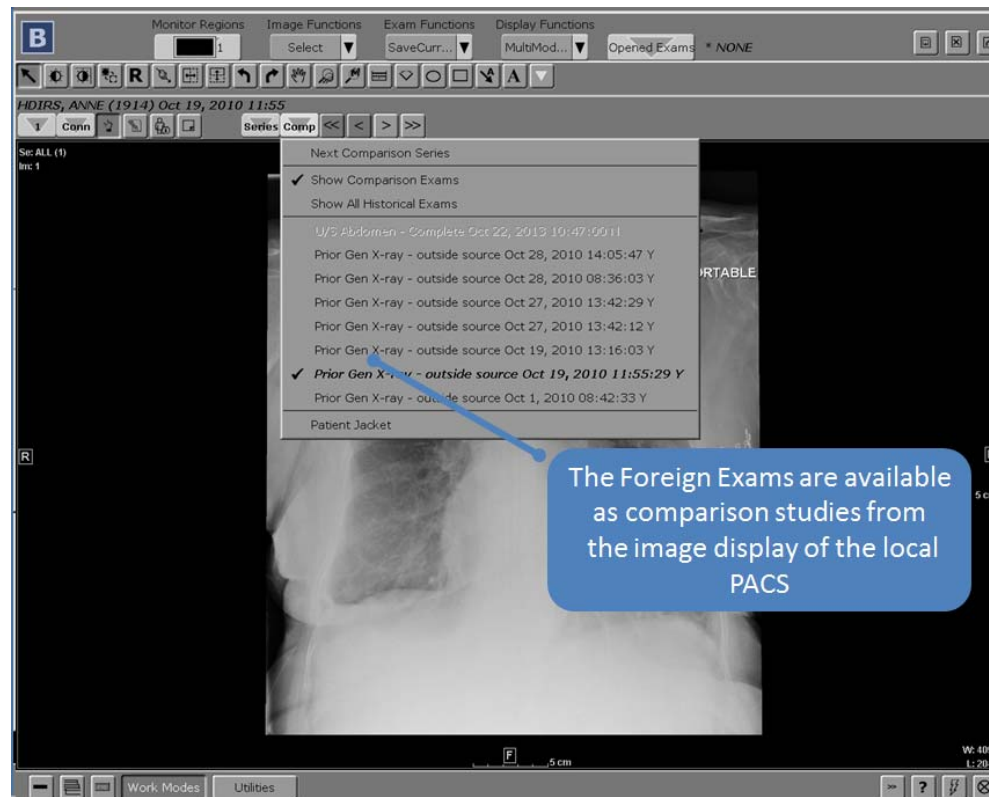
Decreases Patient Exposure to Radiation

Decreases Patient Travel Times



How does a Diagnostic Imaging Repository Work?

Foreign Exam: *“An instance of a radiology exam with images and/or reports that were originally acquired outside of the local enterprise¹.”*



1- CHI Standards Collaborative Working Group, Sippel, 2013

Diagnostic Imaging Repositories in Ontario



Diagnostic Imaging Repository
GTA West

Economies of Scale

Reflect Existing Referral Patterns

Regional Partnerships between Hub and Spokes

SWODIN

28%

Why is Integrating the GTA West and HDIRS Necessary?



Diagnostic Imaging Repository
GTA West

Clinicians have requested an interim solution to match their clinical workflows and help them provide better patient care.

How do you Technically Integrate Two DI-rs?



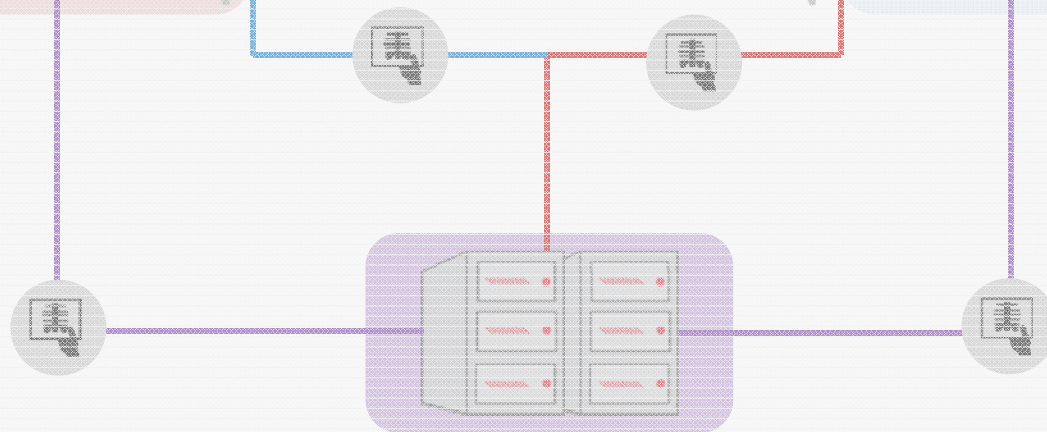
Diagnostic Imaging Repository
GTA West

GTA West Di-R Participating Organizations

HDIRS Participating Organizations

Integration architecture aligns with eHealth Ontario's Blueprint for the Provincial Diagnostic Image Common Solution

GTA West
Di-R



Legend



Local Broker

- GTA West to DICS
- HDIRS to DICS
- HDIRS to GTA West
- DICS to Di-Rs

eHealth DICS

What are the Lessons Learned Thus Far About Integration?



Customize Strategies to Meet Local Needs



Collaborations with Clinicians are Essential