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What is the Regional PACS Project?

Picture Archiving and Communication System (PACS) refers to a solution that is used in Healthcare to capture, store, distribute and display medical images for interpretation or review. The Diagnostic Imaging Repository (DI-r) allows for the collection, storage and display of diagnostic images across Southwestern Ontario. Continuing advances in software and hardware have allowed healthcare manufacturers to create new solutions that are more robust and improve accessibility across multiple organizations. London Health Sciences Centre (LHSC) has entered into a long term relationship with Agfa Healthcare Inc. to implement a fully scalable PACS solution consisting of hardware, software and services to replace the current London and Region PACS solution and the SWODIN DI-r Regional Viewer.

Southwestern Ontario Diagnostic Imaging Network (SWODIN) VISION

A single, comprehensive, regional Enterprise Imaging solution set Supporting all clinical needs for all diagnostic data.



Primary Project Objectives

Clinical functionality: By creating a tighter integration between the PACS and the DI-r, London and Region (LR) clinicians will have seamless access to imaging performed outside of the current PACS that consists of medical imaging from the LR, thereby improving productivity, and enhancing access to a broader data set. The new Enterprise Imaging platform will be made available for other organizations within the SWODIN region to join (LHINs 1, 2, 3, and 4). Ultimately, this will create a cohesive and consistent imaging platform for use by all clinicians in SWODIN, thereby simplifying the end user experience, and delivering a comprehensive tool set that is common to all clinicians.

Reducing Duplication: The PACS and DI-r solutions are based on similar technologies and serve similar functions, but contain different data sets. A primary goal of this project is to create a singular clinical user interface with the ability to access all available patient data. Clinical efficiency is thereby improved, clinical adoption challenges removed, and the resultant patient record far more comprehensive.

Reduced Operating Costs: As the goal of this project is to transition all PACS sites within SWODIN region to this consolidated platform, economies of scale and the reduction in total number of supported systems ultimately drives the cost down for all.

How will you be affected by this change?

Who: A list of the current install base of the Regional PACS is provided below:

- Thames Valley Hospitals:
 - Alexandra Hospital
 - London Health Sciences Centre
 - Middlesex Hospital Alliance
 - South Huron Hospital Association
 - St. Joseph's Health Care London
 - St. Thomas Elgin General Hospital
 - Tillsonburg District Memorial Hospital
 - Woodstock General Hospital
- Alexandra Marine & General Hospital
- Huron Perth Healthcare Alliance

How: Current end-users of the London and Regional GE Centricity solution will be required to transition to the **Agfa Enterprise Imaging (EI)** solution. The EI solution will replace all instances of the GE Centricity solution.

Examples:

Who is impacted?	What is the change?
Medical Imaging Departments	Agfa EI will be installed on all Radiologist Desktop and Technologist Desktop workstations.
Hospital Departments and Clinics outside of Medical Imaging: eg Emergency, Surgical, Pediatrics, Oncology	Agfa EI will be installed on all Clinical Desktop workstations
Orthopedic Surgeons	MediCAD Orthotemplating Software will replace the current OrthoView solution and be integrated to the Agfa EI solution.
All Clinical end-users currently utilizing the Centricity WebViewer	Agfa EI XeroViewer will replace the Centricity WebViewer
All SWODIN DI-r OneView Users	The OneView regional viewer will remain in place until Fall/Winter 2018 when we will transition to Agfa EI Xero Viewer

An effective training plan is being designed to develop and equip the Regional PACS End-Users with the knowledge, skills and understanding required for the clinical functionality of the Agfa Enterprise Imaging solution. The SWODIN Core Project Team will work closely with the Site Specific Project Team to ensure that training requirements are met. Stay tuned in the coming months as we provide more information on the variety of methods that will be utilized.

When: The transition of organizations from the current to the new solution will begin in May and end in June of 2018. The order of go-live is being determined in a way that will ensure an efficient use of project resources and in an effort to minimize the impact and disruption to daily workflows.

Southwestern Ontario
Diagnostic Imaging Network

About AGFA Healthcare Enterprise

Imaging: <https://global.agfahealthcare.com/main/enterprise-imaging/radiology/>

PACS News

<https://www.prnewswire.com/news-releases/agfa-healthcare-enterprise-imaging-platform-enters-southwestern-ontario-market-657210543.html>

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