Centricity* Clinical Archive

Unify patient images and documents across the care continuum
Transform departmental silos into powerful, information sharing engines

Helping to drive efficiency, lower cost of care, and foster informed decision making, Centricity Clinical Archive solution\(^1\) consolidates data and images from multiple departments or sites into a single reliable system. With Centricity Clinical Archive, GE Healthcare delivers a powerful multi-ology, multi-site vendor neutral solution, that provides more clinical data to more care providers with greater efficiency.

In liberating patient data from departmental silos, Centricity Clinical Archive puts patient data directly at the point of care, where it’s needed most. Clinicians no longer need to navigate through multiple systems that don’t communicate with each other. The intuitive, zero-footprint clinician viewer interfaces with the electronic medical record to provide your organization with a robust, single point of access to patient images and associated clinical documents.

Centricity Clinical Archive supports IT administrators by offering a choice of virtual server deployment to save data center space, enabling disaster recovery by connecting to cloud storage, and enhancing reliability with standardized configurations. Rather than forcing customers to custom-build their own solution with the complexity of multiple vendor relationships, GE Healthcare delivers a “360° Go-Live Experience.” It enables all solution planning, implementation, service, and management through a single team of clinical and IT experts.

\(^1\)Centricity Clinical Archive includes the following product components: Centricity Enterprise Archive, Centricity Enterprise Web – Patient Information View module, Centricity Enterprise Web, Caradigm eHIE, Centricity Clinical Gateway, NextGate MatchMetrix EMPI, PACSgear PacsSCAN™
Centricity Clinical Archive provides an IHE-compliant, vendor-neutral platform that enables you to:

- Create a robust patient record by consolidating and linking information across departmental silos
- Distribute patient’s clinical data to physicians and clinicians through a zero footprint universal viewer to help improve productivity
- Help improve coordination among care providers through seamless sharing of clinical information
- Use industry standards to unify clinical IT infrastructure, preserving existing investments and helping lower costs of information management
- Leverage high availability, disaster recovery, and cloud-ready infrastructure to help ensure service continuity
Easily access data and images in one location

Centricity Clinical Archive provides both a robust, multi-level vendor neutral archive (VNA) and a core platform for seamless image exchange.
Information Sharing

Centricity Clinical Archive enables secure, role-based access to patient’s relevant clinical data at the point of care.

- **Single Patient Jacket interfaces within EMR for physicians and clinicians.** Centricity Clinical Archive provides a robust catalog of patient information through an IHE-XDS-based registry. This global index allows clinical information to be accessed from anywhere there is an internet connection, regardless of the actual location within the enterprise. An IT system that is compliant with IHE-XDS can extract the information and present it to the provider.

- **Location agnostic “multi-ology” information access.** The clinical information viewer within Centricity Clinical Archive is IHE-XDS compatible and zero footprint, for vendor-neutral, anytime, anywhere¹ access to information. The viewer offers a highly intuitive matrix view of the patient’s history, along with thumbnails for fast and easy access. This enterprise viewer also supports industry-standard LDAP protocol for access management.

Infrastructure Sharing

Centricity Clinical Archive provides a highly scalable, standards compliant, and cloud-ready repository that helps you consolidate and manage imaging and clinical content across your enterprise.

- **Multi-ology, multi-site clinical content repository.** A truly standards-based archive that supports DICOM, IHE-XDS and HL7 standards, providing multi-level neutrality (underlying IT infrastructure, application and format neutrality) to ensure consistent clinical data consolidation and presentation across systems. Centricity Clinical Archive supports seamless expansion from a single departmental repository to a single hospital multi-ology repository, to a multi-site/multi-hospital enterprise/community repository enabling consistency within multiple patient identifier environments. Centricity Clinical Archive provides logical separation of information to help provide economies of scale.

- **Scalable & highly redundant infrastructure.** Centricity Clinical Archive provides unlimited storage and computing expansion through virtualization and vendor agnostic technologies. Centricity Clinical Archive offers a multi-site load balanced architecture to ensure high availability and disaster recovery.

- **Information Life Cycle Management.** Centricity Clinical Archive helps manage the complete life cycle of patient clinical information using automated rules to move to different tiers, compress (lossy/lossless), and delete (beyond legal requirements) patient information.

“There is opportunity to enhance the system with cardiology, pathology, endoscopy, dermatology, ophthalmology—basically all the ‘ologies.’ That’s the concept of the vendor-neutral archive: We can scale out across hospitals using standards, and we can also scale up within the functions of a hospital.”

Thomas Hough  
President and Founder  
of True North

¹Where there is an internet connection available
Centricity Clinical Archive: The customer experience

Centricity Clinical Archive leverages industry standards, providing the IHE-compliant platform you need to connect disparate multi-site, multi-vendor systems. GE Healthcare has long experience implementing imaging data repositories in various heterogeneous environments. Centricity Enterprise Archive, the imaging repository for Centricity Clinical Archive solution, has been running in many parts of the world for several years, where it has demonstrated performance and scalability in large implementations, including Sweden, Canada, France, United States, and United Kingdom, and smoothly managed 191 million studies worldwide in 2011.1

Centricity Clinical Archive Solution includes:

Product and Components

- Centricity Enterprise Archive that provides a multi-ology, multi-site clinical content repository enabling consolidation of IT infrastructure for archiving and managing unstructured medical content (images, reports, documents etc.) using DICOM and IHE-XDS.

- Centricity Enterprise Web-Patient Information view that is a zero footprint clinician viewer providing anywhere anytime access2 to patient clinical records to the care providers.

- An IHE-XDS registry from Caradigm™ that stores the catalog of patient clinical information.

- An Enterprise Master Patient Index from NextGate™ to link patient records across network boundaries

- Centricity Clinical Gateway that provides the messaging interface engine to combine workflow systems like HIS and RIS to update information repository and keep information consistent across systems.

- A device interface engine from PACSGEAR PacsSCAN™ to connect non-standard devices and systems to store data in either DICOM or IHE-XDS.

Service offerings:

- Assess the current status and future needs including number and type of departmental systems, IT infrastructure, and processes to provide recommendations for long term sustainable data management and sharing.

- Professional services to help interface existing departmental IT systems from various vendors with the solution, ensuring regular consolidation of information (DICOM & non-DICOM).

- A one time service to migrate and link existing historical data from the departmental systems.

GE Healthcare's Diagnostic Imaging System First in Canada to Achieve Infoway Certification

Centricity Clinical Archive’s highly scalable and standards-compliant data repository has helped Southwestern Ontario Diagnostic Imaging Network, Canada connect the imaging departments of the networks 62 hospitals and seven different RIS/PACS systems to a single, central repository, helping provide web-based information access to over 1,600 clinicians across the region. GE Healthcare is the first IT system in its class to achieve Infoway certification, meeting stringent national DI-r certification requirements. Infoway Certification Services provides a national process to certify trusted, standards-based health information solutions.3

“I congratulate GE Healthcare Canada for having their Centricity Enterprise Archive (Centricity Clinical Archive data repository) v4.0 DI-r Class Diagnostic Imaging System application become the first in its class to successfully complete the Infoway certification process,” says Richard Alvarez, President and CEO, Canada Health Infoway.

“Digital diagnostic imaging has already played a role in generating cost savings and efficiencies of more than $800 million annually across Canada, and we believe that as the interoperability and use of solutions matures, further gains are possible.”

The Infoway certification is a result of Centricity Enterprise Archive’s demonstrated performance and scalability in large implementations with vendor neutral support of multiple applications.

"Value for money is crucial when investing in any DI-r system,” said Bruce Sutton, Vice President and Chief Information Officer of the Thunder Bay Regional Health Sciences Centre and member of the North Eastern Ontario Diagnostic Imaging Network’s management committee. “Infoway certification demonstrates compliance with national standards, which is key when considering which product to choose.”

1 Numbers obtained from 2011 Enterprise Archive global install base
2 Where there is an internet connection available
Collaborate with a proven healthcare IT partner

GE Healthcare created Centricity Clinical Archive in collaboration with healthcare providers, administrators, and IT professionals to deliver a new information and infrastructure platform tailored to your needs. With over 35 years of leadership and innovation in radiology IT systems and solutions, we have vast experience with large, complex multi-hospital installations.

We also understand how workflows begin at the patient bedside and carry through the entire patient experience. Our extensive domain experience provides us with clinical insights you can leverage to help identify potential gaps in your own workflow, and apply technology to streamline processes for enhanced efficiency.
About GE Healthcare

GE Healthcare provides transformational medical technologies and services that are shaping a new age of patient care. Our broad expertise in medical imaging and information technologies, medical diagnostics, patient monitoring systems, drug discovery, biopharmaceutical manufacturing technologies, performance improvement and performance solutions services helps our customers to deliver better care to more people around the world at a lower cost. In addition, we partner with healthcare leaders, striving to leverage the global policy change necessary to implement a successful shift to sustainable healthcare systems.

Our “healthymagination” vision for the future invites the world to join us on our journey as we continuously develop innovations focused on reducing costs, increasing access, and improving quality around the world. Headquartered in the United Kingdom, GE Healthcare is a unit of General Electric Company (NYSE: GE). Worldwide, GE Healthcare employees are committed to serving healthcare professionals and their patients in more than 100 countries. For more information about GE Healthcare, visit our website at www.gehealthcare.com

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