

GE Healthcare

Centricity™

Solutions for Integrated Care



Enhancing multi-site collaboration

Every healthcare organisation faces challenges around the delivery of quality care. Patient pathway management, workload balancing and accessing specialist resources are just a few.

Simultaneously, they must deal with pressures to reduce cost and manage the growing demand for patient services. Clinical sites are increasingly seeking a collaborative approach to the provision of care in order to provide a comprehensive and specialised set of healthcare services, without the time and cost to modify or consolidate systems into a single platform.

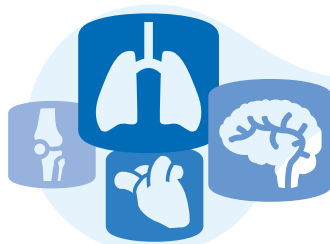
The need for organisations and the systems that support them to talk to each other on a cross-site, regional or national basis has never been so great. In response, cross enterprise reporting solutions are emerging, designed to break down organisational siloes, optimise regional care quality, enhance regional throughput and generate revenue by providing reporting services to other institutions.

The result is a truly integrated service between sites, focused on improving the quality of care, reducing cost and gaining productivity through the fluid sharing of information and workload, whilst retaining business continuity through existing systems.

Connected, consolidated, collaborative imaging

Connect

PATIENT IMAGES
& INFORMATION



Share

BETWEEN CARE
NETWORKS



Collaborate

WITH FELLOW
CLINICIANS



Challenge



Regional silos

Disparate care networks and hospitals seek to collaborate but struggle to overcome the barrier of independent platform usage.

Solution



Consolidated access

A virtual common platform allowing federated enterprises to collaborate without the need to consolidate systems into a single central platform.

Outcome



Connected care

Consolidated regional care and enhanced regional throughput that helps to drive clinical outcomes and productivity.

Lack of resource

Provision of evening, emergency and weekend coverage is often inconsistent and specialists are not available across all regional sites due to budget and staffing constraints.

Real-time collaboration

A unified portal offering instant access to specialists across multiple sites regardless of location to obtain expert insight or second opinions in real time.

Regional support

Optimised regional care quality, helping to ensure care equity for rural areas and enhanced patient satisfaction.

Data loss

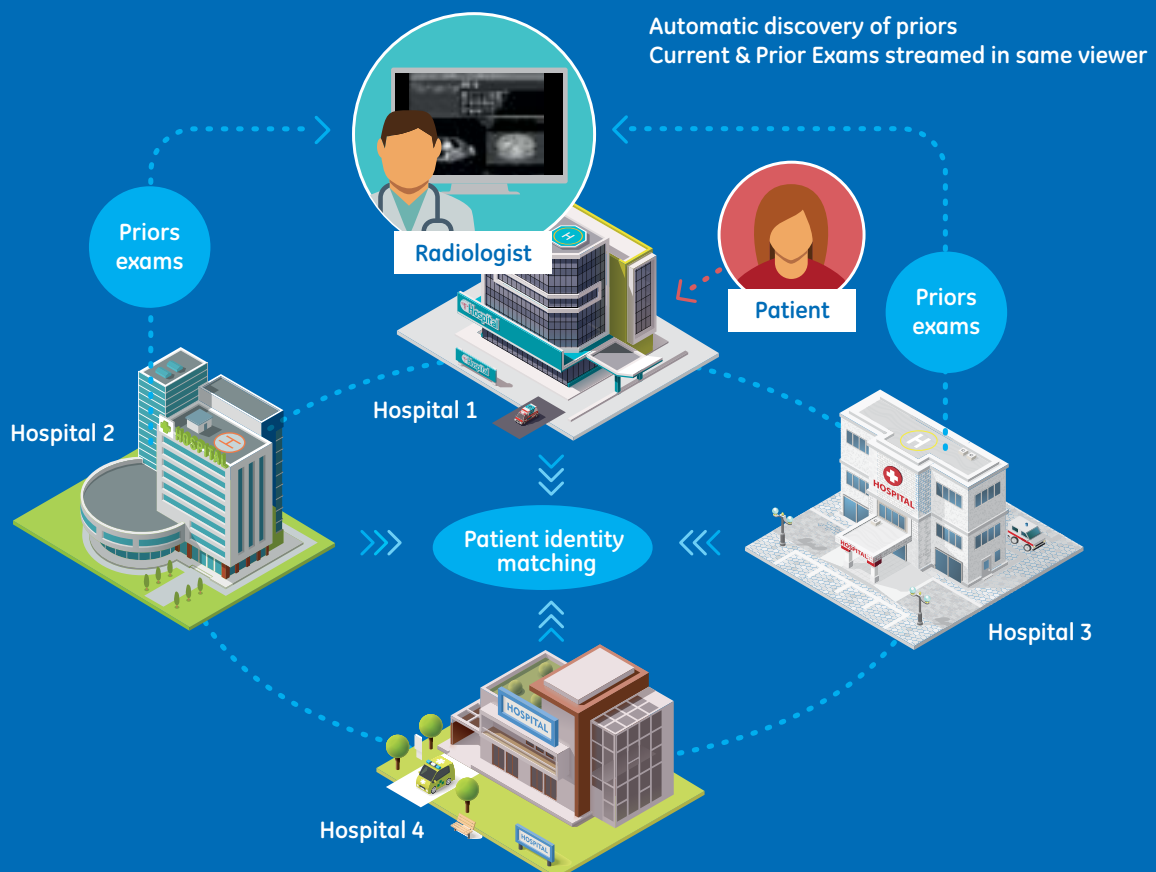
Cross-hospital pathways result in a patient visiting multiple sites for specialist treatment with the potential loss of information as the patient record is continuously transferred.

Simple transfer

A web-based solution providing a comprehensive view of the complete patient history, planning and reporting tools across the entire enterprise including the ability to hold multidisciplinary meetings.

Waste reduction

Helps to improve patient outcomes, reduce costs for portable media, decrease the number of patient transfers and eliminate duplicate examinations.



Challenge



Location restraints

Quickly conferring on patient cases and sharing images with providers across different networks and hospital sites can be difficult due to location restraints.

Solution



Accessible reporting

A global customisable worklist displaying cases from multiple local and remote RIS systems, for access to reporting and image viewing from anywhere*.

Outcome



Rapid collaboration

Fast access to images and information remotely, streamlining clinicians' physical transportation time and ensuring rapid collaboration that delivers the fastest possible patient diagnosis.

Return on investment

Clinical sites, whether private or public, are under increasing pressure to demonstrate a return on investment and present revenue opportunities.

Additional services

A cross-reporting worklist allows radiologists to read cases and provide reporting services for other institutions from any location.

Revenue generation

Healthcare organisations are able to generate revenue with remote reading and second-opinion services.

High demand

During peaks in demand, personnel shortages and device outages become acute problems that can have a detrimental effect on workflow and patient care.

External resource

An IT solution that allows clinicians to easily assign examinations and reporting workflows to other sites and specific radiologists, making full use at each of the collaborating institutions.

Peak time support

A connected workflow, helping to reduce bottlenecks and make full use of resources across all sites, while minimising the operational costs of system downtime.



*Where an internet connection is available.

Complex challenges when providing collaborative patient care

In a bid to enhance decision-making at the point of care, streamline procedures and fully inform the patient treatment plan for improved care, several key considerations exist on the route leading to cross enterprise reporting:

- The lack of availability of specialists during night shifts and for emergency and weekend coverage
- The loss of information occurring as patients are forced to visit multiple sites for treatment
- A difficulty in rapidly assigning examinations and reporting workflow between organisations
- Balancing of workload during peak times or when there is a shortage of clinicians
- The growing complexity of care pathways requiring specialist opinion / facilities located off-site
- Lack of access to necessary but costly devices (e.g. CT) that are only available within certain sites

How can cross enterprise reporting help to deliver enhanced clinical outcomes?



Disruptions when streamlining services and driving productivity

As C-level management and IT turn to collaborative solutions for the associated cost efficiencies and productivity benefits, there are a number of challenges that must first be taken into consideration:

- Duplication of examinations across sites unnecessarily absorbing storage facilities
- Restricted ability for workflow collaboration across sites with disparate systems and platforms
- Growing confidentiality and security requirements for sharing data across multiple organisations
- Specialist resources must be transported between sites, leading to expense and delay
- The cost of acquiring high-value devices already available at other regional / national sites
- Large expenditure required on training needed for those working across multiple interfaces

How can cross enterprise reporting help to drive cost savings and productivity?



"We need to get the information to where it needs to be for doctors to treat and heal our patients. We can have the best images around, but if we cannot get them and their results into the hands of our providers quickly, we all lose."

Chad Moser, RT and PACS Administrator at Huron Regional Medical Center

A truly unified service for enhanced patient care

A consolidated reporting solution addresses the challenges faced by clinical departments when looking to enable effective multiple-site collaboration, providing clinicians with a single point of access to patient data and images. To help enhance diagnostic confidence and clinical workflow, GE Healthcare's IT solutions cross enterprise reporting solutions enable data sharing across multiple sites to offer:

Improved patient care and experience

- A virtual common platform across the enterprise allows specialists and clinicians to collaborate from any location for enhanced diagnostic confidence
- Comprehensive view of the patient pathway, as and when needed, for better informed decisions throughout the diagnosis and treatment planning process
- Access to a global reporting worklist ensures no duplicate testing or medical procedures which can result in longer hospital stays and increased dose



Enhanced productivity and workflow

- Access to the complete patient record in a single instance with no need to switch applications, enables clinicians to accelerate report turnaround time
- Customisable worklists makes workload transparent and allows dynamic assignment of cases
- Intelligent productivity tools display relevant cases of connected institutions, improving the utilisation of modalities and staff by balancing workload across the network



Collaboration anytime and anywhere

- Multidisciplinary team meeting functionality enables collaboration across departments and enterprises no matter what location, reducing physical transportation time
- Access to specialists in centres of excellence across the enterprise allows sites that have limited resources to access expert opinions at all times



"When a patient shows up at a doctor's office and sees how easily that doctor was able to launch the X-rays taken across town, almost immediately after they've had them done, then they gain confidence in our system. HRMC looks good. And better than that, they have images that can help to make informed decisions on their healthcare."



Chad Moser, RT and PACS Administrator at Huron Regional Medical Center

An integrated service for optimised cost and productivity

Driving efficiency and connectivity while reducing cost are key challenges for both senior management teams and IT when introducing collaboration across multiple sites. GE Healthcare's IT solutions for cross enterprise reporting help to enhance productivity with advanced imaging consolidation to lower infrastructure costs and provide excellent return on investment through:



Simple system integration

- A single solution that works on top of existing RIS / PACS systems allows federated enterprises to collaborate without the need to consolidate systems into a single central platform
- An additional layer of architecture that works alongside existing solutions ensures no data migration is needed and therefore there is no risk of data loss



Ease-of-training and service support

- A single interface with embedded voice recognition and a look and design designed by usability experts keeps complexities to a minimum
- Inclusion of professional services to manage the entire implementation and integration process ensures on-time delivery and quality service
- Easy-to-use and extensive clinical tools to improve the recruitment and retention of clinicians



Low infrastructure costs and revenue gains

- A virtual common platform that negates the need to replace existing systems in place and leverages existing back end infrastructure to drive down costs
- Streaming technology that adjusts to available bandwidth to eliminate delays and avoids the need to expand network capacity
- Cross reporting worklist allows clinicians to provide reporting services to other organisations in order to generate revenue



"You can't order doctors to be productive but you can remove obstacles, and that's what we do. Images no longer have to be sent back and forth. Copies aren't just lying around anymore and doctors can perform the same work from any workspace within connected systems equally effectively."

Alexander Bernegger, PACS Project Leader, Waldviertel

About GE Healthcare

GE Healthcare provides transformational medical technologies and services to meet the demand for increased access, enhanced quality and more affordable healthcare around the world. GE (NYSE: GE) works on things that matter - great people and technologies taking on tough challenges. From medical imaging, software & IT, patient monitoring and diagnostics to drug discovery, biopharmaceutical manufacturing technologies and performance improvement solutions, GE Healthcare helps medical professionals deliver great healthcare to their patients.



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Imagination at work

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