Connecting Disparate Sites.

We've Got the Answers.

Large, multisite healthcare enterprises – created through consolidation, mergers, acquisitions or the creation of a regional healthcare network – face challenges in managing their clinical data. These challenges can include transitioning legacy systems, demands of sharing across geographically diverse networks, defining logical data aggregation, optimizing workload across subspecialty physicians and developing security protocols for exchanging images and reports.

Are You Experiencing a Major Disconnect?

Healthcare providers around the world are struggling with the same issues and striving to achieve these performance goals:

- Accurate management of patient identifications across all sites.
- The means to distribute workload dynamically throughout the enterprise.
- Reduction of downtime for enterprise imaging-management systems.
- High system performance, even on low-bandwidth networks.
- An effective reporting system serving all enterprise locations.
- Integration with legacy PACS systems across all sites, and management of legacy data migrations.
- Fast, reliable synchronization of disparate data centers and a reliable business-continuity plan.
- Ongoing growth of workload capacity, improved resource distribution across sites, more efficient specialty reading and expanded clinical collaboration.

A Scalable and Modular Solution.

Carestream's Clinical Collaboration Platform (CCP), with its Unified Core, can help providers address these challenges. Modules and solutions can connect and integrate any number of facilities and their systems across multiple geographic locations, regardless of data type. The platform is standards-based to federate various clinical data from disparate vendors, enabling key stakeholders to securely access data at the right time.

Vue

The power of together.

"Now you have all the images and reports you need to care for a patient wherever you are – all in one place, just one click away."

Juan Lucas Retamar Gentil
CIO, SAS

WORKFLOW MANAGEMENT · **CLINICAL REPOSITORY** · **DIAGNOSTIC** · **IMAGE SHARING** · **ANALYTICS**

An enterprise can select from five distinct modules, based on its specific needs. The three colored modules here represent the ideal combination for connecting disparate sites.

Connecting Disparate Sites.

Connecting People and Data.

The upsurge in connectivity, communication and collaboration enabled by Vue CCP can elevate performance in every area of the enterprise.

Greater Efficiency in the Diagnostic Process By providing a common reading and reporting experience through a global worklist, the need to move between sites or systems is eliminated, and subspecialty reading can be expedited. Advanced streamlining of data optimizes performance regardless of bandwidth.

Improved Data Quality By synchronizing, consolidating or federating multiple data sources, data integrity is ensured – supporting multiple patient IDs and reducing the cost of multiple site integration.

Enhanced Time- and Cost-Savings With real-time sharing of relevant patient data, facilities can save significant hours in training and deployment. At the same time, access to the patient's comprehensive data can reduce duplicate exams and costs.

Improved Quality of Care Creating a single imaging record lets physicians, patients and administrators collaborate in real time to support faster, more accurate diagnosis and earlier commencement of treatment.

Case Study

The Challenges:

Servicio Andaluz de Salud's nine disparate health systems lacked connectivity, preventing the enterprise from providing comprehensive care for the region. 500 TB of data was siloed in systems from different vendors, including Agfa, Siemens, Fuji, GE, Indra, Ire, Rogan and Telvent.

The Solution.

1. In partnership with Accenture, Carestream implemented Vue Clinical Collaboration Platform – integrating 1,600 primary care clinics, 90 regional hospitals and over 160 other sites.

   Vue Connect's global worklist lets healthcare providers manage patient information, regardless of location, by synchronizing multi-vendor and multi-site RIS+PACS.

2. Implementation of an Enterprise Imaging Platform that manages and services over 8.5 million patients, and provides access for 18,000 providers per day.

   Vue Motion is our zero footprint, vendor-neutral enterprise viewer. Its intuitive user interface can be embedded in an EMR to provide secure access to image data and patient information by on-site or remote clinicians.

3. Consolidation of multiple silos of storage into a single vendor-neutral archive (VNA), which holds over 30 million exams. It will manage nearly 10M exams per year for radiology, nuclear medicine, retinography, endoscopy and ECG.

   Vue Archive is a scalable enterprise repository with intelligent data lifecycle management. Metadata tagging and DICOM tag-morphing streamline migration and legacy take-overs.

Servicio Andaluz de Salud
Granada, Spain

9 Health Systems	8.5M+ Patients/year	18,000 Clinicians/day	10M+ Exams/year

The Results.

Servicio Andaluz de Salud saved €2m the first 15 months of rollout of Vue CCP. Ongoing annual cost-savings are projected at 65% and full ROI of €6.5M investment is expected in just over a year.
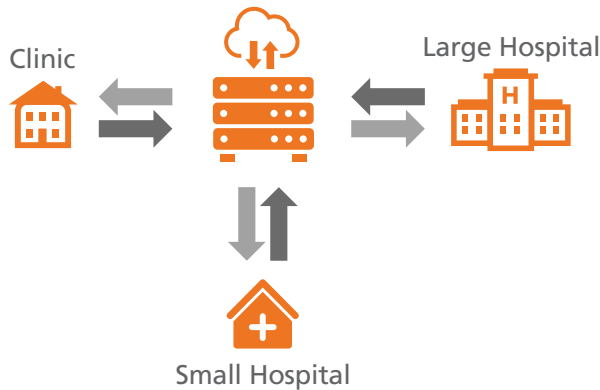
Want to Learn More?
Explore all the benefits and learn how to put the Platform to work for you at **carestream.com/collaboration.**

carestream.com

Carestream

Connecting Disparate Sites.

A Closer Look.

We'll Support You Every Step of the Way.

Integrating multiple data systems can be a daunting task, so you need an experienced partner who can anticipate and address the challenges. Merging three organizations may involve connecting the three sites – one with no PACS, one with Carestream PACS and one with a third-party PACS – to the central hub, with low bandwidth. To optimize radiologist workflow and create a single patient record, we create a global worklist to allow the most qualified radiologist read the most relevant exam, no matter the location – and deliver the results back to the appropriate EMR for physician access.

Connecting Disparate Sites
Clinical Collaboration Platform provides a single imaging record, seamlessly integrated into the existing ecosystem.

Implementation Process.

The process for integrating the three organizations would proceed as follows:

- Carestream assigns a team led by a Project Manager with a Solution Architect responsible for the system design. Technical-implementation Specialists address the installation and configuration, and Application Consultants define the workflow and educate the users on how to use the new interfaces.
- Central Clinical Collaboration Platform is installed in the central hub and supports multiple patient identification and MPI/PIX queries, providing a unique worklist across the sites.
- The site with no PACS is pre-staged at Carestream facilities and connected to the modalities to start storing the images.
- The site with Carestream PACS is smoothly connected using our SmartSync technology.
- The site with a third-party PACS is connected using a Carestream Archive Agent to move the metadata to the global worklist.
- The Global Worklist is ready for use.
- Diagnostic clients are web-deployed to all diagnostic workstations, and the Central Clinical Collaboration Platform will enable enterprise access with a zero-foot-print viewer.
- Radiologists gain a global view of all studies, loading images and data via smart-tunneling and streaming capabilities – allowing extremely fast loading, even with poor bandwidth.

VUE CLINICAL COLLABORATION PLATFORM: INTUITIVE CLINICAL CONTENT – MANAGEMENT WORKFLOW ACROSS THE ENTIRE ENTERPRISE.

Carestream's Clinical Collaboration Platform gives all those who provide, manage, receive and reimburse care the ability to access the clinical data and images they need – using the preferred platform for each workflow and setting. Through full integration with the enterprise's electronic medical or health record, meaningful clinical data within its appropriate context is always available for delivery to key stakeholders. Across disparate sites and networks. Between departments and around each information technologies. Among providers and payers. Around each episode of care and each patient's clinical history. Carestream does more than integrate data and systems. We eliminate knowledge gaps and disjointed workflows. We enable transparency. And we help your teams collaborate around a shared goal: putting patients at the center of efficient, effective healthcare.

The Unified Core is the platform's central infrastructure. It uses a common set of codes to support five flexible solutions: Workflow, Storage, Diagnostics, Image Sharing and Analytics. Each enterprise can mix and match these modules to create the ideal tailored solution.

Carestream