An enterprise can select any or all of five distinct Solutions, based on its specific needs. The two colored Solutions here represent the ideal combination for consolidating data.

The larger healthcare enterprises become, the more their enormous compilation of patient images and data becomes isolated in individual, incompatible departmental archives. In addition, this data is generally stored in multiple formats across systems from disparate vendors. These factors make accessing and sharing data efficiently—which are so crucial to true patient-centric care—next to impossible. They also impede workflow and drive up costs.

Is Your Data Stranded on Separate Storage Islands?

Many growing enterprises are facing this issue—leading them to set a number of critical objectives. They urgently need to:

• Federate or consolidate all existing archives of clinical imaging data in a single repository.
• Develop a smooth and highly effective process for migration that ensures uninterrupted end-user access across multiple sites or departments.
• Store proprietary data in standards-based formats—including DICOM, NON-DICOM, MPEG, JPEG, PNG, avi and XML—to allow across-the-board access and sharing.
• Incorporate and acquire data from mobile devices, securely and with data management.
• Achieve full hardware-platform independence.
• Provide high SLA with comprehensive business-continuity and disaster-recovery options.
• Give physicians the ability to access each patient’s complete record and review data along the entire clinical pathway.

A Standards-based Solution.

The Clinical Repository module of Carestream’s Clinical Collaboration Platform can help facilities address all of these challenges. It enables archiving of and access to clinically meaningful data, with intelligent lifecycle management across each patient’s entire clinical journey. Our vendor-neutral archive module integrates data from existing systems within the Unified Core of the Platform—and makes the data easily accessible to all authorized stakeholders throughout the enterprise.

Clinicians can access images and reports on mobile devices anytime, anywhere with Carestream’s Enterprise Viewer, the Clinical Collaboration Platform zero-footprint module. Patients can access their images and exam reports with the Patient Portal module—a secure Carestream web tool that engages patients and lets them share their imaging results between facilities, physicians and family members.

"When an enterprise is struggling with the effects of siloed data, Clinical Collaboration Platform is the ideal way to achieve consolidation, increased productivity and improved patient care."

Ludovic D’Aprea
Global General Manager
Carestream
Consolidate Data with Enterprise Repository.

Improving Data-Management Efficiency.
The dramatic upsurge in connectivity, communication and collaboration enabled by the Enterprise Repository Solution can elevate performance in every area of the enterprise.

- **More Efficient Processes:** The Platform vastly simplifies IT governance, permitting facilities to define enterprise processes to control security and manage data created in the departments.

- **Enhanced Time- and Cost-savings:** The Enterprise Repository enables a holistic view of data for clinicians – and ensures that images are available precisely when needed. Having data secured in a single repository can also support unique strategies for saving money currently spent by multiple departments on their separate archives.

- **Increased Revenues:** A common repository enables facilities to create “pathway strategies” that enable them to provide dedicated, multi-disciplinary journeys (oncology, neurology, etc.)

- **More Valuable Information:** The Platform offers advanced analytics that can enable enterprises to optimize their workflows and processes and retrieve valuable information from all of their archived digital images.

Case Study

The Challenges:
One of the largest not-for-profit health plans in the USA, serving regions from the Mid-Atlantic to California, was struggling with the many drawbacks of separate archives and siloed data.

- Create a single patient record and repository to share across sites, and enable access to patient-centric data storage from any site, allowing optimal management of images and data from cardiology, radiology and dermatology.

The Solution.
Implemented Carestream’s Clinical Collaboration Platform with Enterprise Vendor-Neutral Archive + Enterprise Viewer to replace a legacy archive and seamlessly consolidate multiple sources into a single patient repository.

**Carestream Enterprise Repository VNA module** seamlessly consolidates disparate imaging systems into one repository using the latest interoperability standards.

**Carestream’s vendor-neutral, zero-footprint Enterprise Viewer module** provides secure, real-time image access across the healthcare enterprise.

The Results.
Improved workflow and an elevated standard of care, as stakeholders at all of the enterprise’s geographic sites became able to access full patient records using their solution of preference. Physicians can now access patient information while maintaining the data integrity of each system. Even better, the platform approach helped to build the Imaging Health Record in the context of the EHR.

Want to Learn More?
Explore all the benefits and learn how to put the Platform to work for you at carestream.com/collaboration.
CLINICAL COLLABORATION PLATFORM

A Closer Look.
We’ll Support You Every Step of the Way.

Implementing an Enterprise Imaging Platform strategy is a complex process, as many issues must be addressed simultaneously. One example is the need to integrate the workflow of multiple departments with different requirements, file formats and specific, advanced clinical software. The governance of the project is crucial, and keeping an enterprise-wide strategy approach is key.

Implementation Process.

- Carestream assigns a team led by a Project Manager with a Solution Architect responsible for the solution design. Technical-implementation Specialists address the installation and configuration and Application Consultants define the workflow and educate the users about the new interfaces. An Integration Specialist will address all the interfaces for back-end and front-end.
- Clinical Collaboration Platform is installed in the central hub and the Enterprise Repository module is activated. Unified Core interfaces (DICOM, HL7, XDS, PIX) are configured to integrate the back-end to the hospital information system.
- In the meantime, the analysis of the departments is started in order to design the right framework to support the enterprise imaging strategy.
- The Integration Specialist will develop the interfaces for the department data sources, if required, and the Technical-implementation Specialist will configure and test the archive of the different object types.
- At this point, the Platform Enterprise Repository module is ready to capture data in mobility (smartphone and tablets), store structured and unstructured data (DICOM, XDS, JPEG, MP4, PDF, etc.) and eventually review the imaging with the Enterprise Viewer module.
- Optionally, Clinical Diagnostic clients can be web-deployed.
- All users will gain a global view of all imaging, loading images and data via smart tunneling and streaming capabilities – allowing extremely fast loading, even with poor bandwidth.

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.