

A photograph of three business professionals in a meeting. A man in a light blue suit is on the left, gesturing with his hands. A woman in a dark, textured tweed suit is in the center, looking towards the right. A woman in a light blue blazer and white shirt is on the right, also gesturing. The background is a blurred office setting with a framed abstract artwork.

PHILIPS

Use case

**Consolidate data with
Enterprise Repository**

Real-time access, virtually anywhere

The larger healthcare enterprises become, the more their enormous compilation of patient images and data becomes isolated in individual, incompatible departmental archives. This data is generally stored in multiple formats across disparate vendors, making accessing and sharing data efficiently 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:

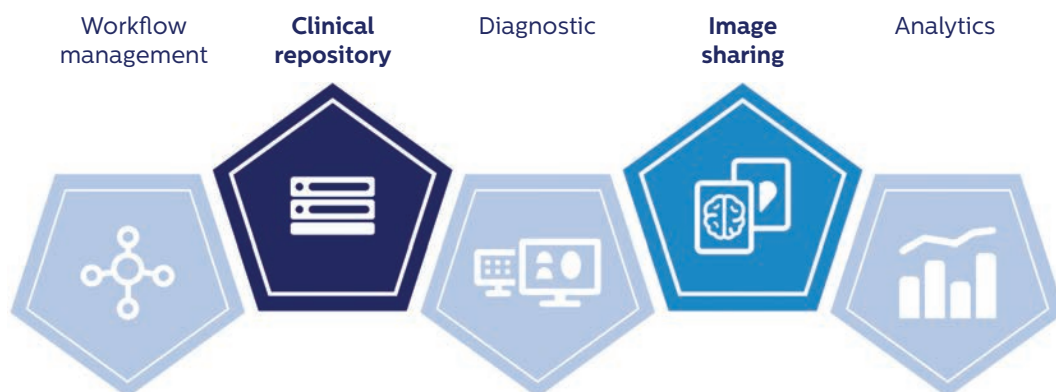
- Federate or consolidate all existing archives of clinical imaging data in a single repository.
- Develop a smooth and highly effective process for migration that ensures uninterrupted end-user access.
- Store proprietary data in standards-based formats – to allow across-the-board access and sharing.
- 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 the 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.

“When an enterprise is struggling with the effects of siloed data Philips’ clinical collaboration platform is the ideal way to achieve consolidation, increased productivity and improved patient care”.

Elad Benjamin
Vice President Radiology Informatics



Want to learn more? Explore all the benefits and learn how to put the platform to work for you at:

www.philips.com/collaboration

Case Study

A major health plan enterprise. California, USA



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.

1. **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.
2. **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.
3. **Increased Revenues:** A common repository enables facilities to create “pathway strategies” that enable them to provide dedicated, multi-disciplinary journeys (oncology, neurology, etc.)
4. **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.

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. Their challenge was to 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 Philips’ clinical collaboration platform with [Enterprise Vendor-Neutral Archive](#) and [Enterprise Viewer](#) to replace a legacy archive consolidate multiple sources into a single patient repository.

1. Philips’ [Enterprise Repository VNA](#) module seamlessly consolidates disparate imaging systems into one repository using the latest interoperability standards.
2. Philips’ 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.



9

Health Systems



8.5M+

Patients/year



18K

Clinicians/day



10M+

Exams/year

A closer look

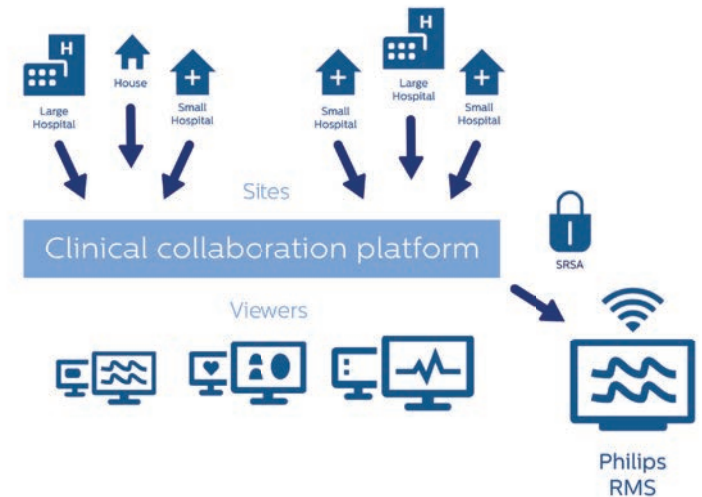
We'll support you every step of the way

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

The process would proceed as follows:

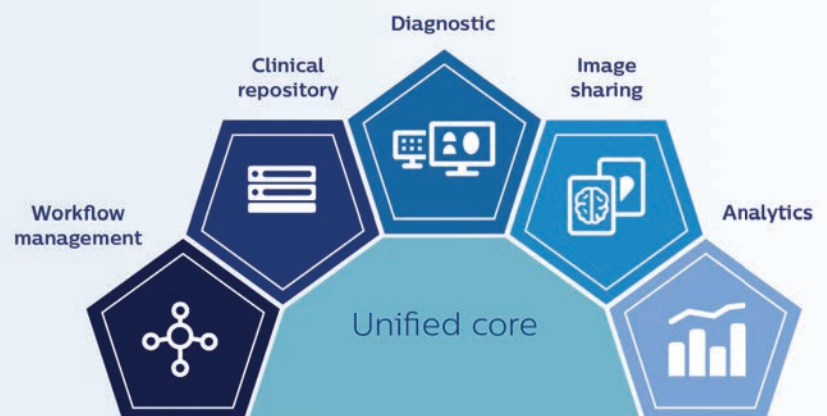
- Philips assigns a team led by a Project Manager with a Solution Architect responsible for the solution design. Technical-implementation Specialists address the installation and configuration and Application Consultants define the workflow and educate the users about the new interfaces. An Integration 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, and the Technical-implementation Specialist will configure and test the archive of the different object types.



- At this point, the platform's 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.

Connecting people and data, virtually anywhere

Philips' clinical collaboration platform establishes an interoperable clinical data ecosystem – connecting professionals with the imaging data they need across the continuum of care. This modular, multi-site, multidomain standards-based Enterprise Imaging solution enables real-time, on-demand access to holistic clinical data for those involved in the care journey, including the patients.





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