

Why Enterprise Imaging?

WHITE
PAPER



WHY ENTERPRISE IMAGING?

It is Novarad's mission to create interoperability, increase security and limit liability, and reduce the cost of healthcare when delivering an imaging solution. These goals help to guide us as work with all types of facilities to develop solutions and products that meet their needs.

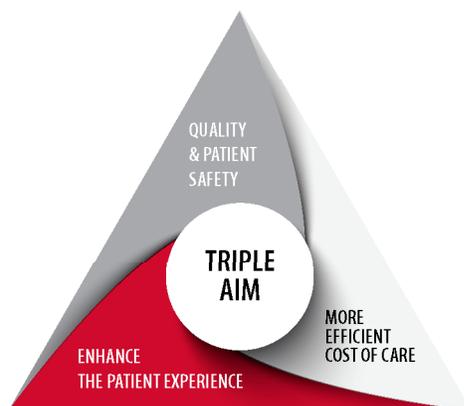
The Triple Aim of Enterprise Imaging

Enterprise Imaging is more than upgrading your imaging system to have the latest technology. It is a change in philosophy that acknowledges that more than images - that all types of clinical multi-media data and information can be used in unison to improve several areas of healthcare.

Quality and Patient Safety. As all available images, including photos and videos, and patient data are brought together, the accuracy of diagnoses improves thereby ensuring quality care and enhancing patient safety.

Enhance the Patient Experience. Doctors and clinicians and better engage patients by using the Patient Storyboard™ which enables them to show all information relevant to their case, creating unique moments where education, care, and treatment intersect.

More Efficient Cost of Care. As workflow and other inefficiencies are removed from the enterprise a corresponding drop in the cost of care occurs.



Implementation Process

The first step is to conduct an evaluation. The objective of the evaluation is to help facilities learn and understand the current state of their workflow gaps, inefficiencies and needs related to clinical multi-media being generated across the facility beyond radiology. It is helpful to have a third party interview each of the department heads but a candid self-assessment can be effective as well. The goal is to have an objective evaluation of the practical day-to-day challenges that are being faced in the facility. Novarad can help with this evaluation. Otherwise, the following is a self-guide to approach the evaluation:

Workflow. First examine the workflow in each department. What are the manual workflows and are there physical assets being generated such as physically printing out photos? Are there gaps such as photos or videos that need to be transferred via thumb drives? Are there workarounds in place that require leaving the workflow? Identify the answer to these questions and any other related issues.

Data Access. First ask, "does each department have access to its own data...all of it?" Second, inquire as to the department's need for data access from other areas of the hospital. Do they have access to this data? Is it easily transferred? Look for areas of improvement and note them.

Patient Care. Does the consulting physician have ready access to all relevant patient data? Can this be called up to discuss and educate the patient? Which improvements, if any, would consulting physicians like to see?

Security. Is the data secure within each department? Are HIPAA and HITECH guidelines being followed?

Departmental Review: A Quick Guide

1. Surgery Department
2. Cardiopulmonary
3. Lab/Pathology
4. Emergency Department
5. Wound Care
6. Cath Lab
7. Cancer Center
8. Orthopaedics
9. Dermatology
10. Mammography (or Women's Center)
11. Radiology

Benefits Summary: Enterprise Imaging

The benefits of Enterprise Imaging are manifest in myriad ways throughout the hospital and healthcare systems. They stretch from improvements to patient care to cost reductions and improved compliance with government regulations.

Cost Reduction. Reduce labor costs on inefficient manual processes: we examine the workflows of every department within the facility that generates data. After making our observations, we make recommendations on best practices for eliminating or streamlining manual practices.

Consolidate Storage Costs. In line with streamlining manual practices, we look at ways where all relevant patient data can be aggregated into a single, easy-to-access archive. This saves your IT department from maintaining multiple storage platforms.

Simplify Image Management. Disaster recovery, now and into the future: a vendor agnostic storage solution that encompasses all departments delivers a ready-made disaster recovery now and well into the future as it scales with your facility.

Reduce Data Replication. A single archive protects against data being replicated when it is stored.

Comply with HIPAA and HITECH Guidelines and Regulations

Ingestion and Security. According to HITECH standards, digital information must be encrypted at rest. With an encounters based workflow, Novrad ensures that all non-DI-COM data is properly stored and transferred throughout the facility.

Compile a Complete Patient Record. All Patient data from a single point of access: With different departmental data aggregated into a single archive, individuals within the enterprise can access relevant patient information from a single, web-based login.

Be the Advocate. Each healthcare system throughout the country needs someone to advocate for innovation. Know that Novrad has tools to help you build the case for Enterprise Imaging.

Site Analysis. Enterprise Imaging Consultants – if you need more information or have questions on how and Enterprise Imaging Solution can work within the walls of your hospital, one of our experts can conduct a walkthrough of your facility to help you determine which steps should be taken.

Enterprise Imaging Calculator. As you review and plan how Enterprise Imaging can impact your facility, use our Calculator to determine the return on investment you will see after full implementation.