Enterprise Imaging:
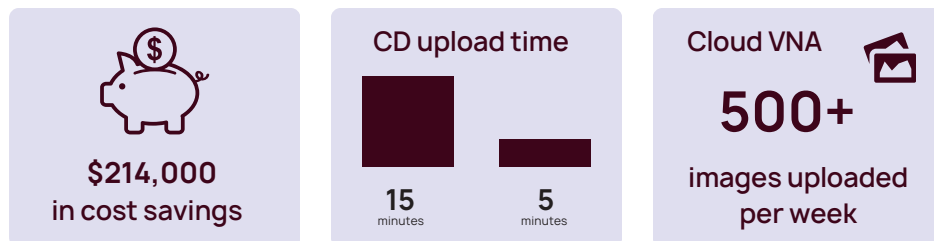# A Breakdown of Disparate Systems

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"With Ambra's* cloud-based CD uploader, front desk administrators at clinics can upload studies within 5 minutes and the study becomes available for network wide viewing immediately."

*Ambra is a previous product name for InteleShare

-Tyler Martin
Executive Director
Ambulatory Network Operations
New England Baptist Hospital

NEW ENGLAND BAPTIST HOSPITAL

Key Metrics

$214,000
in cost savings

CD upload time

15 minutes   5 minutes

Cloud VNA
500+
images uploaded per week

Overview

- Premier regional provider for orthopedic surgery in New England

- 95% of physicians associated with hospital are private practice physicians

- Requires universal image access

Summary

New England Baptist Hospital (NEBH) is the premier regional provider for orthopedic surgery and the treatment of musculoskeletal diseases and disorders. NEBH operates on a unique model, as over 95% of the physicians associated with the hospital are private practice physicians. As a result, NEBH deals with a large number of disparate and siloed systems. The unification of systems to provide access to medical imaging across a broad regional network was presenting itself as a cumbersome challenge. As NEBH began looking for alternative solutions, it was clear that a cloud and zero-footprint system was becoming a necessity. It was critical that a physician could view imaging outside of hospital firewalls and that patients could upload CDs at home, speeding up time-to-care delivery.

Today, imaging is available through the entire network and NEBH estimates that the reduction in disparate systems has saved them over $214,000 thus far, and will continue to do so as the system becomes additionally refined.

Challenges

- Wide and disparate network

- Slow and error prone CD upload

- Viewing possible only with onsite PACS

Solution

- Immediate CD upload

- Imaging available through entire network

- Image-enabled EHRs

- Cloud VNA checks for priors and image quality

Benefits with InteleShare™:

➡ Universal viewing
➡ Error free CD upload
➡ Cloud VNA provides access to priors

Key Benefits

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Universal Viewing

NEBH's initial solution included a program where physicians associated with the hospital who wanted to view images at Baptist had been given a full- fledge PACS station either on or off-site. Managing this approach was both highly expensive and highly inefficient as few practices had IT help and physicians were often juggling multiple hats. Today, imaging is available through the entire network, including on mobile devices and any computer with a browser. Additionally, all NEBH EHRs including Soarian, athena, and eClinical works have been image enabled, providing contextually relevant access to imaging.

> "Because both NEBH and outside studies are available in Ambra*, the physicians can easily hang priors performed at other facilities next to more recent studies done within the hospital."
>
> *Ambra is a previous product name for InteleShare
>
> **-Tyler Martin**
> Executive Director
> Ambulatory Network Operations

Error Free CD Upload

Uploading imaging off CDs was done at one central film library, which proved to be a manual and error prone process. An uploader had to upload the study, open it, figure out the patient, create an order, copy and paste the order, and then save the study. It was a miracle if the process only took 15 minutes. This highly manual and frustrating methodology was only possible within the walls of the facility, and was often riddled with errors. With the cloud- based CD uploader, front desk administrators at clinics can upload studies within five minutes and the study becomes available for network wide viewing immediately. The InteleShare AutoFilm Library auto ingests 70% of studies with no human intervention.

Cloud VNA Provides Access to Priors

NEBH has been able to archive their entire imaging data set in a cloud VNA. Over 300-500 images are uploaded in the cloud VNA per week as surgeons use the images for preadmission screenings and surgical planning. Administrators utilize the VNA to check images for quality, verify image counts, and burn CDs if necessary. Additionally, in keeping with patient-minded goals, patients can upload their images from home prior to appointments through a link on the hospital's website.

> "We now have a more streamlined workflow, allowing studies to more rapidly arrive within the treatment plan for the patient."
>
> **-Tyler Martin**
> Executive Director
> Ambulatory Network Operations

About Intelerad

Intelerad is a global provider of medical imaging solutions that help streamline the flow of information while simplifying complex processes and maximizing efficiencies for medical professionals. Intelerad's robust imaging technology empowers confident decision-making, improves access to critical health information, and gets patients the answers they need faster. For more information on Intelerad and its leading technology solutions, visit intelerad.com or follow the company on LinkedIn.