A background image showing a medical professional in blue scrubs pointing at a large monitor displaying an ultrasound image. In the foreground, a male patient is lying on a table, wearing a blue hospital gown, with his chest exposed for the procedure. The setting is a clinical examination room.

A Case Study

Enterprise Echocardiography Reporting and ECHO PACS Across Mount Sinai Health System

An integrated Image Review and Structured Reporting platform, empowering cardiologists across the Mount Sinai Health System with faster, standardized diagnostic workflows and seamless collaboration across campuses.

Executive Summary

Mount Sinai Health System operates one of the most respected cardiac imaging programs in the United States. As the organization expanded its network of hospitals across New York City and surrounding regions, the need emerged to standardize echocardiography reporting and imaging review workflows across multiple campuses.

To address this requirement, Mount Sinai evaluated several enterprise echocardiography reporting solutions and selected **Softlink's Echo Reporting System and Echo Viewer as the preferred standard**. The platform provides an integrated environment for reviewing echocardiography images, performing measurements, and generating structured clinical reports.

The enterprise deployment enables physicians across the Mount Sinai network to access echocardiography studies, generate standardized reports, and collaborate across hospitals while maintaining consistent reporting standards and improving overall workflow efficiency.

Opportunity

As Mount Sinai continued to expand its healthcare footprint, cardiology departments required a **uniform echocardiography reporting framework** across several hospitals including:

- Mount Sinai Queens
- Mount Sinai West
- Mount Sinai Brooklyn
- Mount Sinai Morningside
- Mount Sinai South Nassau
- Mount Sinai Union Square

Prior to implementation, the organization faced several operational challenges:

- Multiple reporting workflows across different campuses
- Manual entry of echocardiography measurements
- Separate applications for image viewing and report generation
- Limited ability for clinicians to review and interpret studies performed at other locations

These factors created workflow inefficiencies and inconsistencies in reporting practices. Mount Sinai required an **enterprise-grade platform capable of standardizing reporting workflows, improving physician productivity, and enabling collaboration across campuses**.

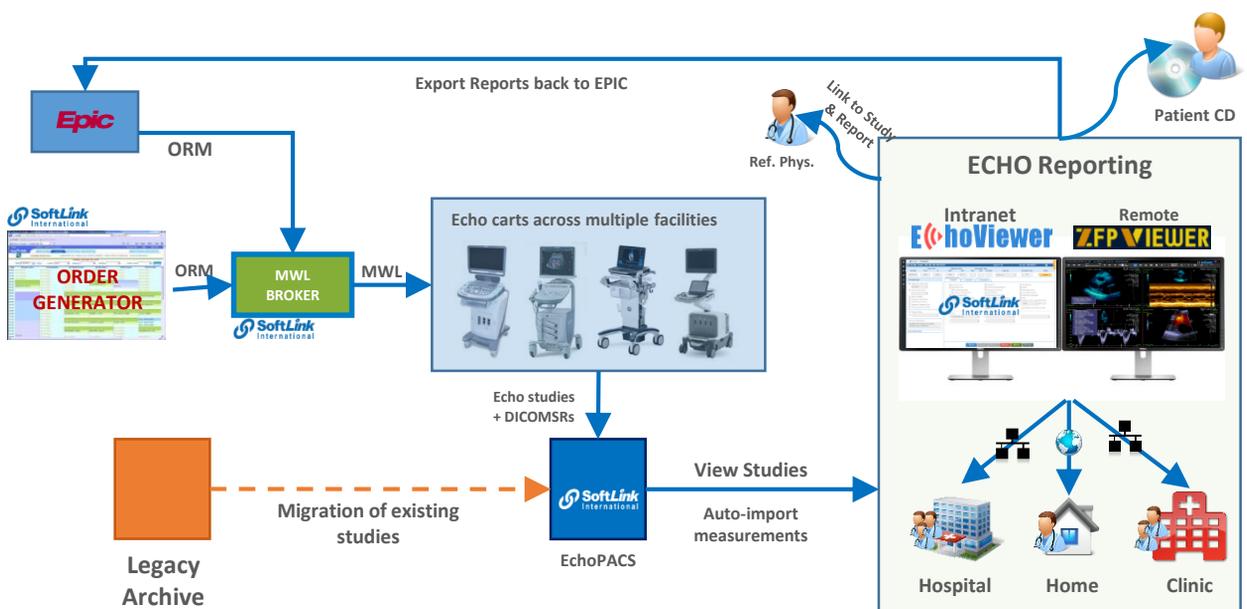
Solution

Softlink implemented an **enterprise echocardiography reporting platform** designed to streamline reporting workflows and enable cross campus access.

Key solution components included:

- **Centralized server deployment** accessible from workstations across all Mount Sinai campuses
- **Enterprise-wide study access**, allowing physicians to review and report studies from any hospital in the network
- **Secure remote reporting capability** via VPN for off-site physicians
- **Single login environment** integrating echocardiography image viewing and structured reporting
- **Automatic import of measurements** directly from ultrasound systems
- **Automatic export of reports** and study links to the EPIC electronic health record
- **Patient media export**, including the echocardiography study, report, and embedded DICOM viewer

This integrated environment eliminated the need for multiple applications and significantly simplified the reporting workflow for cardiologists.



Clinical and Operational Outcomes

Following implementation, Mount Sinai achieved several clinical and operational improvements:

- Standardized echocardiography reporting across all participating campuses
- Reduced physician reporting time through workflow automation
- Improved collaboration among cardiologists across the Mount Sinai network
- Faster interpretation and sharing of echocardiography studies
- Simplified IT management through centralized deployment architecture

Business Impact

The enterprise wide deployment of Softlink's echocardiography platform established a **unified reporting standard across the Mount Sinai Health System**.

Clinicians now access imaging studies and reporting tools through a single integrated environment, improving reporting consistency and workflow efficiency. The centralized architecture also enables efficient IT management while supporting the continued expansion of the Mount Sinai network.

As a result, diagnostic reports are generated and delivered faster, improving clinical decision-making and patient care across the system.

Key Business Benefits

- Enterprise-wide echocardiography reporting standard
- Improved cardiologist's productivity
- Centralized deployment with simplified updates and maintenance
- Secure remote reporting capability
- Seamless integration with EPIC electronic health record system