



## Integrating the CVIS with Enterprise and Physician EHRs at St. Peter's Cardiac & Vascular Center

St. Peter's Cardiac & Vascular Center in Albany, NY, provides a full array of heart and vascular services, from diagnosis and treatment to rehabilitation. Connecting a sophisticated cardiovascular information system (CVIS) to enterprise systems—the hospital EHR, Siemens Soarian, and physician-group EHR, NextGen—enables immediate, anywhere-access to crucial patient data. This gives physicians a complete patient picture from any point in the continuum of care.

### The Project

Getting physicians the data they need—swiftly and seamlessly—has been at the heart of St. Peter's CVIS project, which began decades ago with the introduction of the Apollo clinical data repository. Since that time, St. Peter's has since added a suite of solutions to help improve care quality, patient safety and compliance, efficiency—and volumes. Integration, both within and outside of cardiology, has always been part of the IT plan.

During the past few years, St. Peter's and LUMEDX have worked together to integrate more extensively with systems outside of CV.

### CVIS & EHR Integration: What It Is

Today, the St. Peter's CVIS transmits patient data from disparate specialties and departments to and from Soarian and NextGen. Soarian is the hospital information system, and NextGen is the EHR for the primary physician practice group.

Key components of the EHR integration suite include:

- Apollo ADT/Orders and Results interfaces connecting the CVIS with Soarian and NextGen
- Schedule add-on interface, Modality Worklist and Modality Performed Procedure Step (MPPS) solutions for Echo
- Physician reporting software for Cath, Echo, PV and EP
- Auto-Distribution
- Results Reporting Export to Soarian and NextGen
- Lawson Materials Management interface
- Billing interface

### LUMEDX-Siemens-NextGen Integration: How It Works

Orders, ADT and Demographics are transmitted from Siemens Soarian to the Apollo data repository, and to LUMEDX Schedule, Reporting and other applications.

1. Procedures/studies are performed.
2. Procedural data is exported to Apollo, populating discrete fields.
3. Physicians complete the procedure report in the LUMEDX Reporting application, either on-site or remotely via the Web.

4. A copy of the final result is exported to Soarian.
5. PDF results reports are transmitted from Apollo to NextGen (the physician EHR).

## CVIS-EHR Integration: How It Helps

Integration between the service line, the enterprise and the physician group has resulted in a seamless flow of patient information between caregivers, improving efficiency and supporting timely, informed care decisions. Benefits include: a streamlined orders and scheduling workflow; detailed, standardized results reports; shorter report turnaround times; accelerated billing; and accessible, comprehensive patient records.

“Integrating our systems has enabled us to provide our physicians with complete cardiology records for optimal patient care,” says a St. Peter’s Cardiac Services Systems Technician. “They simply log in and use HealthView (LUMEDX’s cloud-powered CVIS) to pull up any report, any image, any tracing. All patient information is ready, and our physicians can interpret it and right away, whether they’re at the hospital, at their office or elsewhere. LUMEDX can interface with anything. It’s one of the company’s greatest strengths. We’ve been able to draw on that integration expertise to improve access to patient records across not only our service line but our enterprise.”

## St. Peter’s Health Partners

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- A Distinguished Hospital for Patient Safety™ (HealthGrades)
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