

Cardiovascular Information Systems



- Centralize your clinical, operational, and financial information in a powerful data repository.
- Get the comprehensive CV enterprise solution you need, with 30 sub-specialties and 150 unique interfaces.
- Improve efficiency and quality of care with detailed diagnostic, interventional, and surgical data.

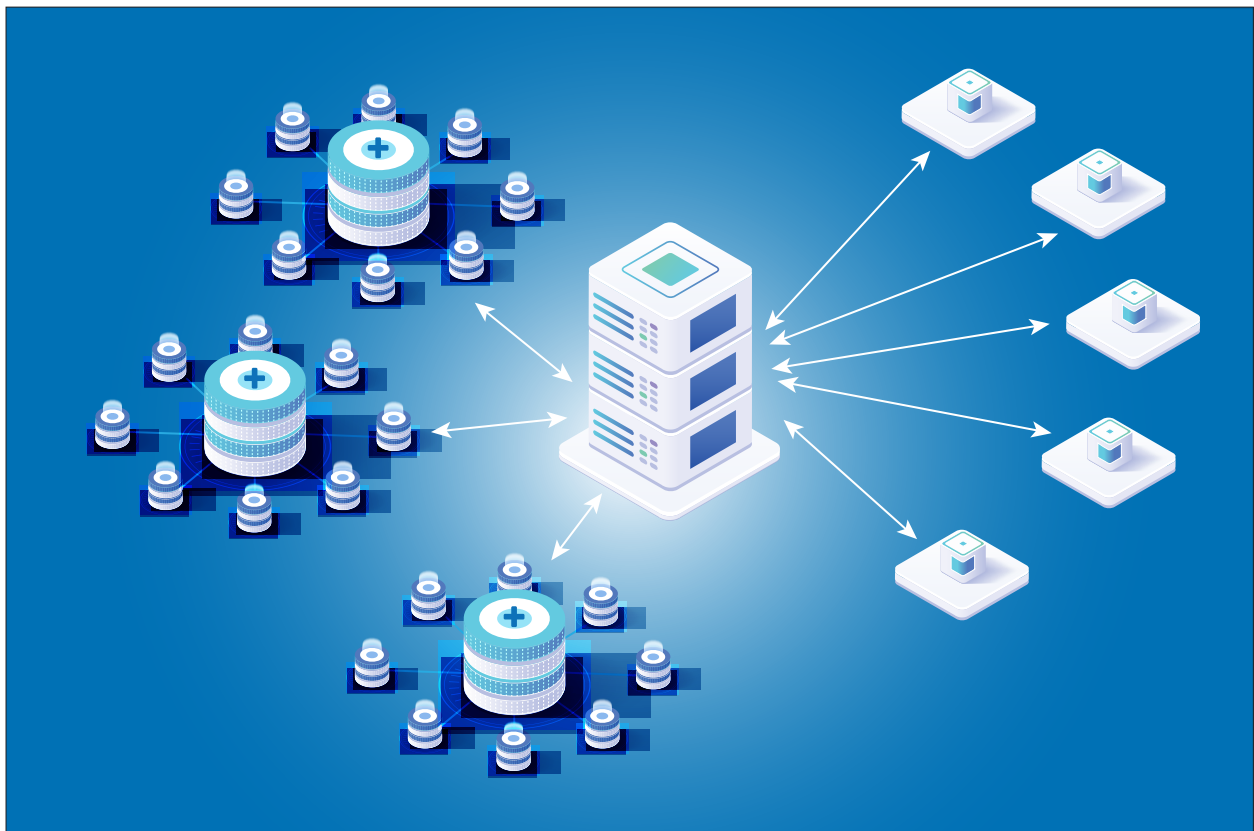
The Importance of Connected Data in Cardiology

Hospitals deploy hundreds of medical devices and information technology systems in the pursuit of providing top-quality, evidence-based patient care efficiently and cost-effectively. Complex clinical specialties such as cardiology demand workflows with considerable depth to collect data that can be used for meaningful analytics insights, ensure optimal care delivery, and support research efforts.

The cardiovascular service line has a unique set of needs. Not only does it generate a major portion of a hospital's revenue, but it produces more than half of its data—due to the multiple modalities and plethora of clinical devices used across the service line. Disconnected information leads to diminished care quality, operational inefficiency, and reduced profitability, all of which is felt throughout the hospital.

Imagine having all clinical, operational, and financial information consolidated in a powerful data repository that is the backbone of a sophisticated cardiovascular information system (CVIS). With an integrated software solution suite that delivers end-to-end data management for every CV workflow—including Cath, Echo, EP, CT Surgery, ECG, Nuclear, and more—you get a comprehensive picture of the patient's longitudinal care record. Medications, lab results, history, procedural data, and every other piece of information you need is easily accessible so physicians and other providers, as well as executives, can make fully informed decisions to improve clinical outcomes and business performance.

This is what today's heart centers require—and what we offer at LUMEDX.



LUMEDX's enterprise CVIS software integrates seamlessly with a service line's complex IT systems to streamline workflow management and generate the clinical, operational, and financial insights a hospital needs to improve care and increase ROI.

LUMEDX CVIS: Streamline Workflows Across the Service Line

Because interoperability is one of the things hospitals struggle with most, LUMEDX has made it our mission to create solutions that streamline workflows behind the scenes, enabling access to detailed clinical and operational data.

Our CVIS solution combines a powerful database with clinical workflow applications and performance analytics for easy access to information from more than 30 sub-specialties of cardiovascular medicine.

Installed in 600-plus heart centers worldwide, we are the No. 1 provider of Society for Thoracic Surgeons (STS) and American College of Cardiology (ACC) registry software. Our solutions are designed specifically to satisfy the full spectrum of cardiovascular and cardiothoracic services. With LUMEDX, you get:

- **A Fully Integrated and Vendor-Neutral Platform:** Our interface engine accepts automated data from most major diagnostic devices, and brokers bi-directional data exchanges with enterprise-wide systems, including electronic health records (EHRs).
- **Choices:** We offer our enterprise solutions in the cloud as well as in a traditional, on-premise

client-server model, giving facilities of all sizes—and budgets—the full power of a world-class CVIS.

- **Support for Performance Improvement Programs:** A host of navigation, data integrity and security features support the outcomes and patient-safety programs critical to a successful CV service line. Many of our clinical modules feature automatic triggers to ensure your facility complies with national and state guidelines.
- **Modular Design for Future Scaling:** Begin with a single clinical specialty module and have the option to create a comprehensive information system that automates workflow and outcomes management in all areas of cardiac and vascular medicine.
- **Quality at the Point of Care:** Clinicians and administrators can access detailed diagnostic, interventional, and surgical data, enabling patient and population level clinical outcomes analysis and cost variability management. Our systems improve efficiency and quality by automating the clinical record-keeping process and providing decision support at the point of care.

AN INTELLIGENT SUITE OF SOLUTIONS

The LUMEDX CVIS is the most comprehensive suite of software applications, integration tools, and supporting services available. Among our offerings:

- Apollo Clinical Data Repository
- Image Management/PACS
- ECG Manager
- Billing, Scheduling/Patient Tracking, and Inventory Management
- Structured Reporting

LUMEDX's library of more than 150 unique system-to-system interfaces includes point-of-care devices as well as a broad array of enterprise systems. Streamline workflows for modalities such as Cath, EP, PVI, ECG, Echo, Pediatric and Fetal Echo, Nuclear, Vascular Diagnostic, Surgery, CT/MR, Interventional Radiology, Disease Management, and beyond. Add our business intelligence platform HealthView Analytics and you'll have all the tools you need to improve outcomes and lower costs.



About HealthView Analytics

LUMEDX is dedicated to improving the quality of clinical medicine by reducing costly complications and operational inefficiencies at the point of care.

HealthView Analytics (HVA) is a business intelligence platform that helps you monitor and measure your service line's performance in near-real time. Individual content packs, each designed to measure a different area of your service line, provide granular insights into how you can increase efficiencies and quality of care—as well as understand how your hospital is performing financially. Timely access to clinical decision analytics allows you to quickly respond to positive and negative trends.

Developed in partnership with Microsoft, HVA uses the Azure Data Factory infrastructure to integrate clinical and financial data in cardiovascular, cardiothoracic, orthopedics, neurosciences, and maternal/ fetal medicine service lines. Through Performance Programs designed for these high-cost areas, HVA provides a mix of technology and knowledge services designed to target avoidable care variation across the healthcare enterprise. Leverage the data you are already collecting to create value and drive change.



LUMEDX, an Intelrad company, is the market leader in cardiovascular data intelligence and cardiovascular information systems (CVIS). Pioneers in cloud-powered healthcare analytics, our comprehensive suite of software and services enables high-performance workflows, optimal integration of clinical and EHR data, improved continuity of care, and reduced costs. We develop all our solutions with the firm belief that the delivery and management of healthcare is best served by a community of providers linked—and empowered—by technology.

For more information about LUMEDX and HealthView Analytics, contact sales@intelrad.com.