ASCENDIAN®
HEALTHCARE CONSULTING

Cardiovascular Information Systems (CVIS)

Healthcare Providers are seeking to innovate and optimize their Cardiovascular service lines while providing a true longitudinal patient record. Cardiovascular Information Systems (CVIS) allow these complex operations, services and data sets to go through a transformation that drastically improves the capture, delivery, reporting and management of clinical data while improving productivity through workflow and technical optimization. CVIS facilitates Cardiology's transition to a single platform and the automation of manual processes, such as the collection of patient information across their care continuum. Additionally, the solution can connect disparate information silos and allow seamless, secure, and consistent access to patient data.

Ascendian Healthcare Consulting's expertise allows our clients to assess, design and deploy a CVIS solution based on existing Cardio-architecture and future requirements with minimal disruption!

Benefits of a CVIS Solution

A CVIS solution provides dynamic reporting (images, informatics, measurements, etc.) that are structured in a template-type format for efficiency and consistent delivery of patient reports. Cardiologists and supporting staff experience significant reductions in report delivery times. CVIS has proved to be a significant contributor in improving the workflow and process for obtaining department accreditations (i.e. ICAVL, ICAEL, ICANEL) and providing procedural data to the common registries (e.g. ACC, STS.)

How will you successfully plan and deploy your CVIS Solution?

1: Clinical Benefits

Provides the freedom of data access for cardiologists and referring physicians, regardless of their physical location. With a single platform CVIS, a cardiologist assessing a critically ill patient has a view of their entire clinical history along with all the images from various cardiac images. The use of tablets and smart phones has also allowed for rapid access to patient images and data empowering physicians during emergent cases rendering immediate patient care.

2: Business Benefits

Reliable information is the key for assessing and strategizing business decisions. A well selected CVIS allows administration to manage supply inventory, billing, statistical reporting and department performance in a live and automated environment. Such privileges become extremely valuable for an administrator that may be assigned to cover several physically separated sites within the enterprise.

Single system and database also provides efficiencies with system maintenance, system integrity, end-user training, database management, and report generation and analysis.

3: Technical Benefits

An organization can capitalize on fewer interfaces for integration to other enterprise systems and establish a single point of entry and access for cardiologists, referring physicians, cardiology staff and administrators. All images, procedure reports and business information are now retained within the same system and are readily available for access regardless of user's location (within hospital setting or remote.)

Additional technical advantages include the ability to manage the hardware architecture and not be tied to the vendor proprietary product. Virtualizing the backend of the systems has become a common offering for signification reduction in hardware procurement.

CVIS Evaluation

- Analysis and Business Case development
- Identify and develop CVIS strategic vision and road map
- RFP and RFI development
- Identify and organize steering committee and stakeholders

CVIS Technical Planning

- Equipment inventory & gap analysis
- Imaging current state workflow and dataflow assessment
- Current state technical and infrastructure analysis
- CVIS architecture and storage requirements
- Storage options for enterprise consolidation

CVIS Implementation

- Project planning and kick-off
- Installation and configuration
- Training Plan
- Communication Plan
- Technical go live
- Identification of support personnel
- End user training
- System support requirements
- Validation of functionality, reporting, workflows

Post Implementation Support

- System performance monitor and measures
- Downtime procedures
- Post implementation training plans
- Distribute and file operating procedures
- Maintenance and support plan
- Project documentation