



Velos eCardio

An integrated suite of capabilities to support the clinical, administrative and outcomes information needs for the cardiology community.

Velos eResearch Product Line

Velos eResearch

- Account Management
- Study Setup
- Data Management
- Patient Management
- Reports & Ad-Hoc Queries

Velos eClinical

Velos eFinancials

Velos ePortal

Velos eIRB

Velos eSample

Velos eCardio

Velos eOncology

Velos eTools

Technology-based Services

Velos Grid Services

Velos Interface Engine

Contact Information

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The image displays two screenshots of the Velos eCardio software interface. The left screenshot shows a report titled "STS - Adult - Length of Stay by Procedure" for a specific patient. It includes a table for "PRE-OPERATIVE LENGTH OF STAY" and "POST-OPERATIVE LENGTH OF STAY", both with columns for "0 Days", "1 Day", "2 Days", and "3 Days". The right screenshot shows a detailed clinical history section titled "1. Previous CV Interventions", listing various procedures such as "Previous CAB", "Previous Valve", "Previous PCI", and "Previous AICD" with associated dates and status indicators.

Traditional healthcare software products generally address different functional needs, e.g. medical record, lab, billing/charge capture, inventory management, outcomes, clinical research, and point of care support. The reality, however, is that information that supports one need is generally required for a multitude of other needs. In a typical hospital or clinic, the information needs of the different user “constituencies” are currently supported by dozens of mostly paper-based procedures and forms and a series of disintegrated systems. The Velos premise is simple: invert the paradigm – rather than provide systems that take a functional approach, provide systems that support clinical process and connectivity needs and address a multitude of functional needs as a natural by-product.

Velos eCardio supports STS/ACC registry needs, patient information needs and clinical research needs through one integrated system. Rich information sets emerge as customers bring these functional activities into one database, information that is valuable to healthcare providers, pharmaceutical/medical device manufacturers, and ultimately patients. Velos strikes at the heart of widely acknowledged inefficiencies in healthcare and opens opportunity for not just incremental, but substantial efficiency improvements in healthcare. In the process, Velos unlocks a wealth of rich, integrated information that provides the infrastructure for responsible, information-based medicine.



Cardiovascular Registries

Velos provides a single point of entry for patient demographic information. This information is then linked to multiple disease modules. Several registries relevant to the cardiovascular community are available in Velos eCardio. These registries can be acquired separately or as a bundled package.

The Society of Thoracic Surgeons' STS National Database is a source of clinical registry initiated by thoracic surgeons to assist hospitals and clinics in various areas such as Quality Improvement, Patient Safety, and Operations Management. The following STS registries are certified and approved for data capture in Velos eCardio:

- ***STS Adult Cardiac Surgery Registry***
- ***STS General Thoracic Registry***

The American College of Cardiology's National Cardiovascular Data Registry (NCDR™) is the recognized resource for measuring and quantifying outcomes and identifying gaps in the delivery of quality cardiovascular patient care in the United States. The following Velos eCardio registries are certified by the ACC:

- ***ACC Cath PCI Registry***
- ***ACC ICD Registry***

System Advantages

With Velos eCardio, Customers receive:

- Web-based, HIPAA-compliant, ACC and STS-certified software
- Ability to capture, report and track key clinical information, including diagnoses, procedures, medications, labs, etc.
- Customizable and user-maintainable vocabulary for Cardiology
- Data completeness reports to help check accuracy of data entered
- Data harvesting tool for submission of required data to the appropriate Registries
- A flexible Ad Hoc Query module to build reports and query data.
- Powerful access rights management and system audit capabilities
- Ability to add custom forms and fields to capture additional information
- Integration with all functionality and modules available in Velos eResearch.

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