# The Gold Standard for Cardiology Data Analytics

## BENEFITS

Massive time-saver with business analytics across multiple applications.

Increase operational efficiency and reduce cost.

Better staff engagement & leadership transparency.

Data quality improvement by understanding issues and modifying workflows.

Data transparency for budget discussions and change management.

## FEATURES

Complete integration of clinical, operational and financial information into seamless business management solution.

Personalized context rich analytics increases trust.

Real-time data to engage staff and eliminate inefficiency.

Built-In data governance and security features.

There are vast amounts of data to make sense of in cardiology services, data that is generated and stored in a variety of sources and systems, including your CVIS, Hemodynamics, PACS, EMR, Radiation Monitoring, Registry Reporting, etc. In this increasingly competitive world it has become imperative to improve your outcomes and financial performance, and insights into your data is the most impactful way to do so. Yet even with data warehouses and enterprise analytics, it is still a challenge for I.T. to synthesize and present this information in useful ways to all the people that should routinely use it.

> *"Health Level has done a great job of delivering what is now the new gold standard for CQI analytics tools in cardiology."*
>
> Program Manager
> University of Washington Medical Center

### HOW WE HELP

It turns out that the solution to achieve a high performing business is engaging physicians and leadership with user-friendly and insightful data-driven stories.

Foundations™ Cardiology is the industry's first and leading configurable, real-time management solution that captures data from multiple applications, such as EKG, Echo PACS, CathLab, Vascular, EP/ICD and Surgery data. This data is enriched and delivered to users in a personalized manner via role based access and to power users to configure reports and analytics for continuous quality improvement.

Immediate value is realized in improved data quality, efficiency and trust in data analytics, operational plans, and staff engagement. With advanced personalization and self-service functionality, physicians and management can compare metrics with de-identified cohorts as well as regional and national data to improve clinical quality and achieve performance improvement objectives.

With better tools and methodology management uses Foundations to support operational decisions as well as strategic planning. The sustainable value in Foundations is its use as a business management platform leading to continuous improvement, management efficiency and valuable I.T partnership.

**HEALTHLEVEL**
uncommon insight

## DATA CONNECTORS

In addition to SQL/CSV, HL7, DICOM, EDI, FHIR:

**EKG**
- GE Muse
- Philips TraceMaster

**Echo**
- Xcelera
- Syngo Dynamics
- GE Centricity
- DICOM SR Objects
- DICOM Metadata

**CathLab/Hemo**
- GE MacLab
- Philips XperIM
- Siemens Sensis
- McKesson/Medcon
- Merge/Camtronics

**EP Lab**
- GE Cardiolab
- Siemens Sensis

**Registries / Connectors**
- Certified CathPCI 4.4
- ICD, TAVR (Connector)
- CathPCI 5.0 Beta

**EMR/PACS/Staffing**
- Epic/Clarity/Cogito
- Cerner PowerChart
- Philips IntelliSpace
- Resource Calendars

    ...and growing

Following are samples of report and analytics that our customers are able to use and modify within minutes:

### Clinical Metrics

✓ Complications, patient admission conditions, and device/procedure utilization

✓ Clinical Risk Scores and Appropriate Use Criteria (AUC) models

✓ Radiation & contrast tracking by case and patient life-time dose

✓ Monitor diagnosis and procedure correlations

✓ Medications and dosage in procedure, post-procedure and discharge

✓ Acute Kidney Injury (AKI) analysis with underlying factors

### Operational Metrics

✓ Monitor trends in case load by specialty, TAT, cases, mix by the hour

✓ Monitor workflow durations, correlations and trends

✓ Length of Stay (LOS) quartiles by diagnosis, procedures, MD, complications

✓ Room utilization and resource metrics (case delays, room occupancy ratios)

✓ Improve patient access to care using orders and resource availability data

✓ Inventory Data, Case and Encounter level cost models

✓ Reduce registry submission effort by identifying and correcting data

### Physician & Staff Metrics

✓ Workload & referral patterns – Echo's to Cath, EP cases, Surgery cases

✓ Personalized metrics and comparison with de-identified cohort

✓ Case volumes for fellows by specialty and study type

✓ Medications, inventory, complication rates, outcomes with patient risk factors

✓ Referral areas, geographical heatmap – marketing support data

Foundations™ can be deployed to a large number of users. Over 3000 users across 100+ hospitals have used Foundations with zero training.  With IT partnership we provide informatics efficiency to the healthcare system. We have delivered significantly better results with an ROI many times the investment.

We look forward to engaging you in a meaningful conversation.