

Sample Project

Cardiology Information System

Project Summary: Health System- Wide, Cardiology Information System
July 2002 – August 2004

- **Objective**

- Access to all cardiac patient data and records at Point of Care

- **Expectations**

- Faster and improved patient care
- Better utilization of clinical resources, especially cardiologists

- **Scope**

- Complete analysis of patient through the system
- Scheduling, assessment, billing, medical records and all steps in between
- All diagnostic modalities
 - " Cardiac Catheterization Laboratory
 - Included ACC NCDR (National Cardiac Data Registry reporting system)
 - " Echocardiography
 - " Vascular laboratory
 - " EKG reading service
 - " Stress labs and Holter monitoring
 - " Arrhythmia Clinic
- Two state system with 2 Campuses and 11 neighborhood clinics and 22 out-of-town clinics
- Eight different manufacturers in cardiology all unconnected with a mix of electronic and paper systems
- EMR started for out patient clinics but not in patient, PACS being implemented for radiology.
- Additional scope included RFP's and assessment for new cath labs

- **Team**

- Representatives from each clinical area, physicians and administrators
- IS dedicated project lead and CIO
- Executive partners, administrative and medical for Cardiovascular Services

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- **Process/Key Deliverables**

- Alternatives were presented to the team as well as initial reports prior to finalization
- Workflow process models for each area identifying opportunities for automation
- Technology assessment for each area
 - " Determine viability of existing equipment for inclusion on the network
 - " Assess how well clinical needs were being met
 - " Recommend upgrades, interfaces, or replacement
 - " Phasing plan based on clinical/business needs and availability of technology
- Business Case Document and Presentation
- Requirements generation and inputs to Request for Proposals
- Vendor clarification and proposal assessment
- Facilitate team assessment of responses
- Support and document site visits and facilitate assessment afterwards
- Support and document final decision
- Provide negotiation support

- **References**

- Provided upon request