

Cardiovascular Case Study

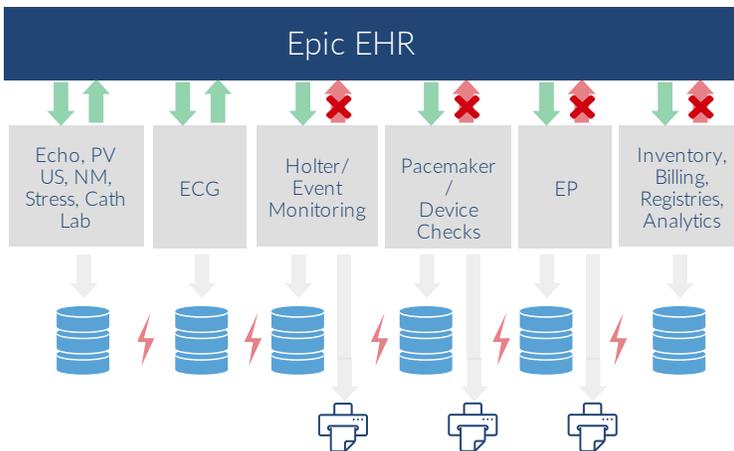
Enterprise Cupid Implementation



Client Profile

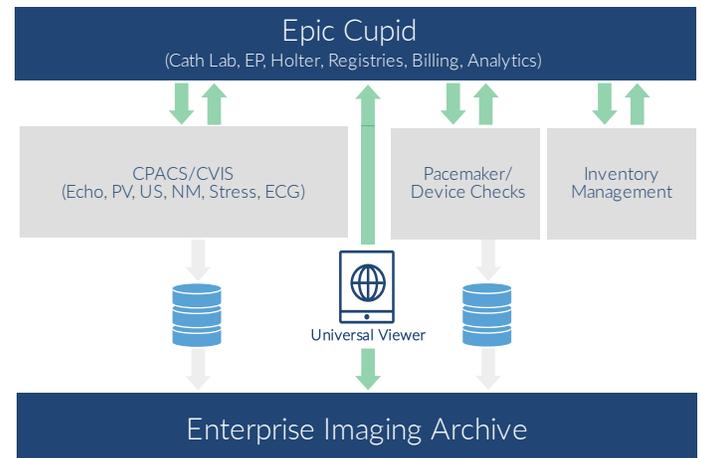
An 8-hospital luminary health system and leading multi-state Heart Institute sought to implement Epic's Cupid Cardiovascular (CV) reporting, registry, and analytics functionality to streamline workflow across disparate CV systems, reduce cost and complexity of CV infrastructure, and support continuous improvement and ROI tracking across the entire CV service line. To establish universal access to the complete patient record through the Epic EHR, including images, structured reports, and other documents and discrete data (i.e. PDF) generated outside Cupid, the project included integration with the health system's Enterprise Imaging (EI) archive and Universal Viewer.

Before



Patient record is fragmented across multiple disparate and isolated data silos, including some paper-based workflows, across non-invasive and invasive service lines.

After



Epic Cupid unifies the patient record and workflows across the entire CV service line. Data silos are consolidated into the EI archive, which serves as the single-source-of-truth for imaging enterprise-wide.



Process & Outcome

Our Role

Develop and execute a near-term plan for Cupid implementation and craft a strategic roadmap to address remaining integration and workflow gaps through thorough analysis of CV service lines from clinical, technical, and fiscal perspectives. Detailed efforts include:

- Clinical and technical analysis of non-invasive and invasive CV workflows and legacy systems to evaluate feasibility of Cupid integration and avoid capital expense with new systems
- Evaluation of system architecture, scalability, performance, interoperability, and sustainability of proposed new CV systems with Epic Cupid and the EI archive
- Clinical and operational analysis of the new Cupid model and CV systems to ensure the best possible physician reporting workflow, technologist efficiency, and department-level workflows and integrations to yield optimal throughput and patient care
- Subject Matter Expertise and Project Management support throughout the engagement to ensure proper governance is established for project engagement, rollout, and adoption, and to support effective analysis, design, and implementation

The Result

Streamlined workflow for non-invasive and invasive CV service lines through integration of legacy and net-new CV systems with Epic Cupid. Some of the detailed achievements include:

- Established program-level strategic plan and project governance to ensure that all Cupid, EI archive, and third-party project teams worked with collaborative and efficient methodology
- Facilitated cross-functional whiteboarding sessions to ensure that all clinical and technical subject matter experts engaged in requirements definition
- Designed future-state workflow and dataflow and integration project plans to ensure that all CV project teams stayed on-course with key milestones and approved scope
- Facilitated the design and execution of end-to-end system testing with Cupid, EI archive, and third-party vendors teams