

Huntington Memorial Hospital MEDITECH to Cerner® Migration

Huntington Memorial Hospital

Huntington Memorial Hospital (HMH), a non-profit, community-based medical center located in Pasadena, California provides acute medical care and community services to the San Gabriel Valley and nearby communities. The 635-bed hospital serves as a world class destination for the treatment of epilepsy, prostate cancer, robotic minimally invasive surgery and bariatric surgery.

Background

HMH found themselves in the midst a migration to Cerner® Millennium from the MEDITECH EHR. They had a decade of discrete clinical data in MEDITECH, including demographics, visits, radiology results, blood bank specimen, pathology results, and immunizations, and were leveraging the Orion Health™ Rhapsody® interface engine to facilitate the data transformation. Despite having partially converted certain elements in the data set, HMH was working against an aggressive timeline and sought a partner to help complete the data conversion to Cerner® Millennium. After exploring their options, they engaged Galen Healthcare Solutions due to Galen's years of successful conversion projects and Orion Health™ expertise.

Approach

Queries were written against the MEDITECH Data Repository to retrieve historical data from the MEDITECH legacy source system, which was then loaded into a SQL database for staging. Orion Health™ Rhapsody® was leveraged to transform the source data into HL7 messages compliant with acceptable formats for import into the target Cerner® Millenium EMR.

Challenges Overcome

After the specification review Galen resources initially began building the Orion Health™ Rhapsody® routes to support the migration of data for blood bank, pathology, radiology as well as microbiology. Early on in the project HMH was impacted by the unexpected short term absence of a key staff member. Galen

resources were able to not only fill the gap, and to decipher the status of several elements in various stages of the conversion process, but to also successfully migrate the original deliverables.

Conversion Strategy In Action

Once imported into Cerner®, data was reconciled, tested and validated against established clinical workflows as well as verified for data exchange to outside and downstream systems. Baselines for timing the end-to-end process were established in the test environment. This was vitally important because lessons learned during this first run were applied to create the strategy for the final conversion. Optimization of extraction processes and establishing alternative conversion routes brought the data into the new system in stages, with a final gap migration performed before go-live.

 **~10 YEARS OF DATA**

 **489,938 MASTER PATIENT IDENTIFIERS**

 **2,286,960 VISITS**

 **861,844 RADIOLOGY RESULTS**

 **105,680 BLOOD BANK SPECIMEN**

 **170,056 PATHOLOGY RESULTS**

 **33,194 IMMUNIZATIONS**

Galen was instrumental in facilitating our migration from MEDITECH to Cerner®. Their expertise and capability was applied immediately to reduce cycle times for data extract and transformation and facilitated the project staying on an aggressive timeline. With Galen's help, we were able to seamlessly migrate our mission-critical EMR system with full continuity.

JOHN MAY, Manager, Information Services - Data Management and Reporting, Huntington Memorial Hospital

Project Scope

Interface Milestones

- Access / Specifications Review
- Design & Develop Prototype
- Unit Testing
- Support HMH Review & Validation
- Full Conversion & Gap Conversion

Baseline of end-to-end conversion timing

Improvement of message throughput

- Optimization of extract and conversion routines

Management of end-to-end processes

- Test, Stage, & Production environments

Conclusion

Galen resources successfully designed, configured, and deployed the interfaces for the blood bank, pathology, radiology, and laboratory results. In addition to the historical data, inpatient conversions require management of cutover times and gap loads of data to protect patient safety and continuity of care for admitted patients. Vigilant monitoring during the migration process to the staging and test environments allowed adjustments to be made for the final production loads and gap load schedules to assure clinical care routines were intact.