

West Tennessee Healthcare

A public, not-for-profit healthcare system saves over \$500,000 by eliminating maintenance and support costs associated with all static databases, along with streamlining HIM producing Release of Information using ClearViewHRV™.



West Tennessee Healthcare, based in Jackson, TN (www.wth.org) operates 90 hospitals and medical centers serving 500,000 people across 9,000 square miles of West Tennessee. Operating as a public not-for-profit healthcare system, West Tennessee Healthcare (WTH) treats more than 185,000 patient emergencies, delivers more than 4,000 babies and manages more than 9,000 heart patients each year. WTH continues to be acquisitive with a desire to grow and prosper.

Challenge

In response to growth through mergers and acquisitions, WTH decided to acquire a system-wide electronic medical record: Cerner Millennium. The Information Technology and Health Information Management leadership team at WTH recognized the need to identify a solution for decommissioning the legacy databases while reducing costs, enabling continuity of care, as well as ensuring compliance and security. After implementing Cerner, WTH established a committee of various stakeholders across the organization to identify and evaluate multiple vendors ultimately seeking a single partner to archive its systems and deploy a single technology viewer integrated with Cerner Millennium at a reasonable price.

Solution

After a thorough due diligence process, WTH selected Trinisys LLC to develop a legacy data archival strategy and launch a technology platform to support its conversion from multiple systems, including MEDHOST, McKesson, Athena, Greenway, Blueware, GE Centricity, etc. WTH contracted with Trinisys to extract, transform and load the historical content using the Convergence platform to streamline, expedite and enhance the indexing and retrieval process for the large volume data. Some of the processes associated with the project follow:

- Extract, convert and migrate the required patient documents and associated data from the various inpatient and ambulatory environments into ClearViewHRV
- Perform required mapping to ensure data integrity
- Implement indexes and key words needed for the use in search and retrieval by WTH staff
- Integration with WTH's current Active Directory
- Configuration of the ClearViewHRV interface to meet WTH requirements for Single Sign On through the SMART on FHIR interoperability standard
- Complete all of the steps to integrate ClearViewHRV with WTH security partner: Fairwarning
- "Train the trainer" session on the ClearViewHRV application to an identified set of end users

"Our committee responsible for the archival project selected Trinisys because after our thorough assessment of a few different vendors, they were by far the right partner with the right tools at the right price. We look forward to expanding our relationship well into the future as we seek to consolidate disparate databases and acquire additional facilities and ambulatory practices," said Jeff Frieling, Chief Information Officer.

Result

Trinisys delivered an integrated solution that included overall configuration, system design, deployment, QA/testing and use of the Convergence and ClearViewHRV platforms. The project has been managed by a dedicated Trinisys project manager with each system containing an average of 3TB of data and images to be archived. The financial impact of eliminating the maintenance and support associated with all of the static databases, along with the streamlining of HIM producing Release of Information in a single web-based solution within Cerner is in excess of over \$500,000.00 annually. This does not include the time gained back by the providers, resulting in improved physician satisfaction and quality of care.