



# Case Study:

## UPMC Pinnacle Memorial CEREBROS™-Cerner Interface

*UPMC Pinnacle Memorial in York, Pennsylvania engaged Corazon to assist with the implementation of a Primary Stroke Center and the CEREBROS™ Neurovascular Information System. The system was updated for seamless integration with the Cerner Electronic Health Record (EHR).*

### *Background:*

As a result of new legislation mandating that any patient suspected of having a stroke be transferred only to a certified stroke center, patients within the York community were forced to bypass UPMC Pinnacle Memorial to receive care many miles from home. And since studies prove that outcomes can be vastly improved when stroke is treated as soon as possible, transfers waste precious minutes. Also, given an above-national average incidence of stroke in the York community, development of a stroke center became a strategic imperative for the Memorial team.



Corazon was engaged to guide Memorial's primary stroke certification through the Healthcare Facilities Accreditation Program (HFAP). CEREBROS™, a revolutionary technology solution for the proactive management of the stroke patient population, was also incorporated into the implementation plan. The use of CEREBROS™ to support clinical standardization and data collection was enhanced by the development of interfaces with Memorial's existing Electronic Health Records (EHRs) that allowed ADT patient demographic information, laboratory results, and other discrete clinical parameters to flow – in real time – from the EHRs into CEREBROS™, thus streamlining the care process.

Prior to the conversion to Cerner, CEREBROS™ was fully interfaced with the **McKesson/Paragon** Inpatient EHR and **Wellsoft** Emergency Department EHR.

### *The Conversion to Cerner:*

After a decision by corporate leadership, UPMC Pinnacle Memorial transitioned to the Cerner EHR – the standard used across their parent organization. Because the Memorial team found great value in CEREBROS™ and the successful interfaces that were initially developed with Paragon and Wellsoft, similar capabilities were created as Memorial transitioned to Cerner.

The conversion of the interface was supported by the vendor-agnostic architecture of CEREBROS™, rooted in industry-standard HL7 messages, which allows Cerebros to interface with multiple platforms. Through the conversion process, the Cerebros team worked closely with its interface partners at SDLC, key stakeholders at Memorial, Cerner representatives, and corporate health system representatives. The full Cerner system and the CEREBROS™ interface went LIVE in just eight weeks!

The group's dedicated focus to the interface development and Corazon's proven process followed a proactive, goal-oriented, and integrated approach:



### *The Results:*

The Memorial team has fully integrated CEREBROS™ into the episode of care for stroke patients, making this valuable tool a true patient care solution as they continue to provide successful care to the stroke population. In fact, the Stroke Team utilizes CEREBROS™ **every** day, for **every** stroke patient, to ensure a high standard of care is consistently met. CEREBROS™ has become the clinical infrastructure and a quality-tracking and data-management framework for the stroke program, made possible by the seamless interfaces CEREBROS™ supports throughout the hospital.

The integration of CEREBROS™ with the clinical information within Cerner provides significant advantages for both Memorial and the patients they serve. Their team is focused on fine-tuning processes and the interface functionality to utilize the full reporting capabilities of CEREBROS™.

As a result of their ongoing efforts, the UPMC Pinnacle Memorial team achieved primary stroke certification in the summer of 2013 and is well-prepared to maintain their primary stroke certification well into the future. The program benchmark reports provided through CEREBROS™ will demonstrate continued top-tier program performance.

*To further discuss CEREBROS™ and its interfacing capabilities, or other stroke and neuroscience program development projects, please call 412.364.8200*