



Executive Summary

The Marcus Stroke Network (MSN)

BACKGROUND

The Marcus Stroke Network is a collaborative agreement between Grady Hospital, Emory University, Boca Raton Regional Hospital and the American Heart Association funded by a generous two-year grant (June 1, 2017-May 31, 2019) by the Marcus Foundation. The MSN project encompasses many aspects of stroke care in Georgia. Its goal is to ensure timely, effective stroke care and to reduce the burden of stroke. The major components of the project include the development of a telestroke system with 10 contracted hospitals, purchase and construction of an angio suite at the Marcus Stroke and Neuroscience Center at Grady and a Mobile Stroke Unit. The American Heart Association would lead the Quality Improvement component of the project by providing overall project evaluation and individualized assistance to all MSN hospitals.

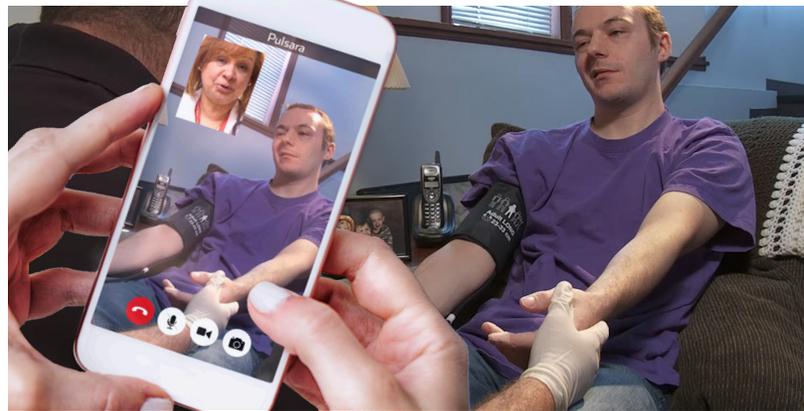
One specific component of the project is to reduce the data entry burden for hospitals and EMS Providers. Through this project, the American Heart Association was tasked with designing and building systems that reduce the burden of manual data abstraction as well develop systems of care that harbor a collaborative and communicative system. To fulfill this deliverable, the AHA has worked with Pulsara to enhance EMS to hospital Communication and streamline data collection.

The physician project leads are Dr. Michael Frankel from the Marcus Stroke and Neuroscience Center at Grady, Dr. Frank Vrionis from the Marcus Neuroscience Institute at Boca Raton and Dr. Carlos Del Rio from the Emory Medical Care Foundation.

THE SOLUTION

Pulsara provides a secure, cloud-based communication network and can help fulfill a number of stroke initiatives including discrete data point collection and upload into Get With The Guidelines – Stroke.

Pulsara also facilitates comprehensive and advanced patient assessment with video conferencing between any members of the care team including EMS, the ability to instantly consult with other clinicians within or outside any given facility, a transfer workflow which allows clinicians to quickly request, accept, and monitor patient transfers, and the ability to scan and send documents, pictures, and audio clips.



In addition to stroke, Pulsara also has dedicated modules for STEMI, sepsis, trauma, sudden cardiac arrest, and general patients, which allows providers to use Pulsara for any patient, and any condition. Users simply create a patient channel, dynamically build their custom teams, and communicate. Because Pulsara crosses all healthcare entities, the platform creates a real-time communication network across entire regions. Studies report an average decreased treatment time of nearly 30% when using the platform.

As part of this specific relationship with the AHA, Pulsara has agreed to include their complete functionality to the participating hospitals.