

# Innovative Telemedicine Approach for Accelerated Assessment of Brain Attack Patients

Mary Bilotta, MSN, RN, AGCNS-BC, CEN, Anthony Martin, BS, NR-P, Ankit Shah, MD, FACEP, Robert S. Jones, DO, MS, FACP, FIDSA, Timothy Marks, MBA, MSN, RN, CEN, NE-BC, Charles F. Barbera, MD, MBA, FACEP, FAAEM, David A. Schlappy, Gregory Sorensen, MD

Reading Health System, West Reading, PA 19611

## PURPOSE

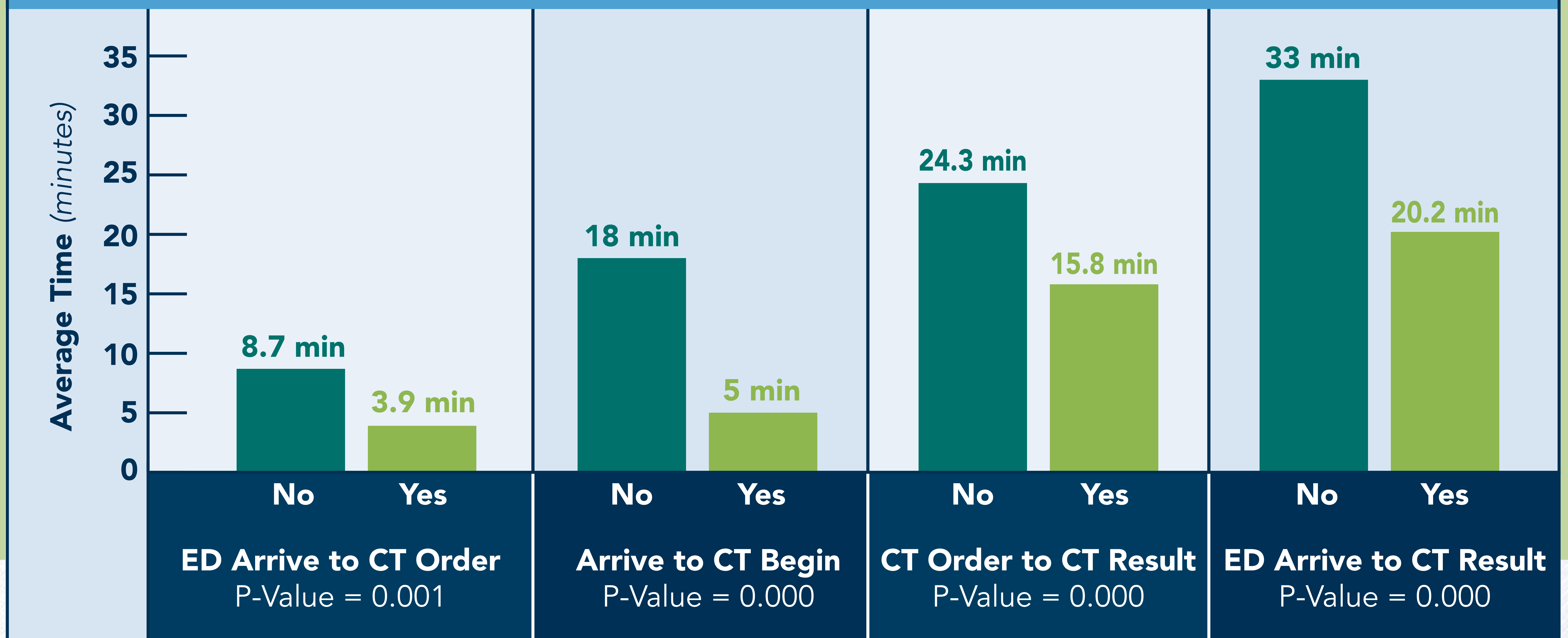
This pilot project was developed to enhance communication using real time, collaborative, non-recordable video application for rapid assessment of patients with acute brain attack symptoms. This interaction enables EMS (pre-hospital) to directly communicate with the Emergency Department provider to perform a dual modified National Institute of Health Stroke Scale (NIHSS).

## PROCESS

- EMS/ED partnership to enhance communication process/practice for Brain Attack patients
- Funding/grant acquired to purchase 17 iPads and mounting equipment to five ambulance companies
- Education provided with interactive simulation for EMS/ED staff

## IMPACT ON CT RESULTS

FaceTime Intervention **YES** versus **NO** for Ambulances Participating in Pilot



## RESULTS

- Statistical improvement in time to CT scan and CT scan result validate the need to integrate telemedicine into pre-hospital pathway.
- Enhanced timeliness of CT scan result to assist with acute stroke management and decision making for optimal treatment



READING HOSPITAL  
READING HEALTH SYSTEM

Advancing Health. Transforming Lives.



READING HEALTH  
SYSTEM

Advancing Health. Transforming Lives.