

Tennova Healthcare Volunteer Martin



Our Hospital

- Rural community located in northwest Tennessee
- Licensed for 100 beds
- Accredited Chest Pain Center in 2015
- Better outcomes for ACS patients
- Tied to higher CMS scores and higher reimbursement rates
- One full-time cardiologist on active staff



ACS Performance Improvement Goals

- Improvement in door to initial 12 lead EKG time
- Improvement in Troponin turn around time
- Collaboration with EMS on transmitting 12 lead EKGs from the field
- Improvement in average transfer times for STEMI

- Primary focus – improve door to triage time, door to EKG time, door to Troponin turn around time, and door to transfer time for STEMI patients

Performance Improvement Actions

- Identified provider outliers for initial medical assessment
- ED nurse education on 12 lead EKG
- EKG machine dedicated to the ED
- **Implementation of Red Triage**
- Collaboration with Regional Hospital of Jackson Transfer Center
- Auto accept for STEMI patients
- Collaboration with Weakley County and Tri-Cities EMS

Red Triage

- Patient presents with chest pain and/or atypical signs and symptoms
- Registration staff/ ED nurse pages Red Triage overhead three times
- Patient is immediately taken back and placed in an ED room
- ED nursing staff, respiratory therapy staff, and lab phlebotomist respond to red triage stat
- ED nurse/RT performs 12 lead EKG stat
- ED chest pain protocol initiated
- Lab staff draw and run the AMI profile, CMP, CBCD Stat as ordered on the protocol
- Inpatient experiences ACS symptoms

Performance Improvement Actions

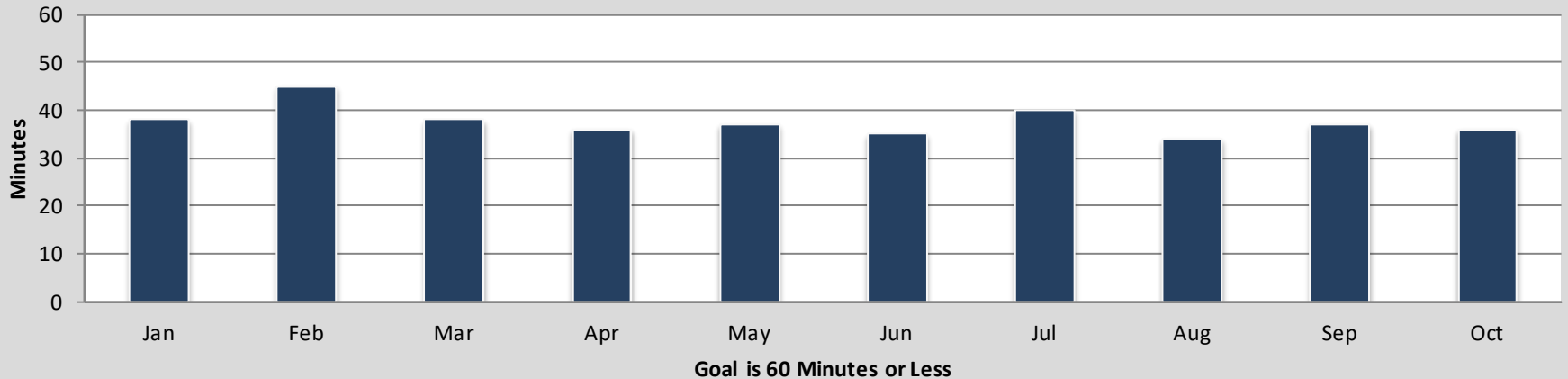
- Implementation of highly sensitive Troponin I – increased sensitivity from 0.6 ng/ml to 0.056 ng/ml
- Troponins run simultaneously on two separate machines to validate results and to prevent the need to repeat critical results
- Validated centrifugation time for a 3 minute spin on the Stat Spin centrifuge
- MD notification for Critical Troponins
- Reflex order for second MIP
- Ongoing education



Tennova Healthcare-Volunteer Martin

	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17
Chest Pain Measure from Presentation to Result. Our Goal is 60 minutes or less.	60	60	60	60	60	60	60	60	60	60	60	60
Number of Specimens	413	412	426	419	404	357	339	332	372	384		
Avg Time Stat Troponin from Order to Accession	14	17	15	14	14	13	16	12	13	15		
Avg Time Stat Troponin from Accession to Report	24	27	23	22	23	22	24	22	23	21		
TAT from Presentation to Result	38	45	38	36	37	35	40	34	37	36		
Quarterly Average			40			36			37.0			

TAT Presentation to Result



Who Benefits from Accreditation

- Our **patients**, community, emergency services partners, hospital associates, and **our company**
- Increased ED visits – EHAC community education
- Decreased low and moderate risk ED transfers
- Increased Observation stays