

Mission: Lifeline

Texas STEMI Progress Report February 2011

Loni Denne, RN, BSN

Sr. Director Mission: Lifeline
AHA SouthWest Affiliate

Data Source: NCDR Action Registry- GWTG Mission: Lifeline STEMI Specific Report

- Texas STEMI data vs. National STEMI data**
- Compiled from records submitted Quarters 1-3, 2010**

NCDR Action Registry- GWTG Texas Hospital Participation

# Texas Hospitals Contracted to Participate in NCDR Action Registry- GWTG 2010 ~ 2/3 of Texas STEMI Receiving Hospitals	Est. # Texas PCI/STEMI Receiving Hospitals
84	130

Of STEMI Patient Records Entered Into Action Registry- GWTG Qtr 1-3, 2010

Texas	Nation
1,968	32,188

Symptom Onset to Medical Contact

	Texas	Nation
Median Time from Symptom Onset to First Medical Contact	48.5 minutes	51 minutes
Median Time from Symptom Onset to Arrival via POV	131 minutes	120 minutes

Symptom Onset to First Medical Contact: All STEMI admissions who arrived via EMS AND have a reported date/time of symptom onset before first medical contact, excluding transfers in.

Symptom Onset to Arrival via POV: All STEMI admissions who arrived via POV AND have a reported date/time of symptom onset before arrival, excluding transfers in.

Median Time From FMC to PCI

	Texas	Nation
Non-Transfer-In	93 minutes	87 minutes
Transfer-In	115 minutes	143 minutes

Referral Facility LOS and Transfer Time

	Texas	Nation
Median Length of Stay at Referral Facility	64 minutes	67 minutes
Median Time from Transfer Out from Referral Facility to Arrival at PCI Facility	33 minutes	37 minutes

Median length of stay at referral facility: All STEMI admissions who were transferred in and have a reported date/time of transfer from outside facility after arrival at outside facility, excluding patients with length of stay at outside facility >12 hours.

All STEMI admissions who were transferred in and have a reported date/time of arrival after transfer from outside facility, excluding patients with transfer-out time to arrival >12 hours.

Frequency First ECG Obtained in Field

	Texas	Nation
First ECG obtained pre-hospital among all patients arriving via EMS	47%	53%

Clinical Events

In-hospital clinical events	Texas	Nation
Cardiogenic Shock	6.7%	6.5%
Heart Failure	9%	6.3%
CVA/Stroke	0.7%	0.9%
<u>Of all</u> CVA/Stroke Hemorrhagic Stroke	7.7%	16.5%

Type of Reperfusion

Type of Reperfusion	Texas	Nation
Fibrinolytics	12%	11%
Primary PCI	90%	91%

Ethnicity

Ethnicity	Texas	Nation
Hispanic	18%	5%

In-hospital Mortality

In-hospital Mortality	Texas	Nation
Unadjusted death overall	6.4%	5.7%

Missing Data

Missing Date/Time Data	Texas	Nation
Symptom Onset	12%	10%
First Medical Contact (EMS arrival)	1%	1%
First ECG (Pre-hospital ECG)	0%	1%
Transfer from outside facility	1%	0%

Means of Transportation to PCI Hospital

Arrival Mode (non-transfer patients)	Texas	Nation
POV	44%	38%
EMS	50%	59%
Mobile ICU/Air	6%	3%