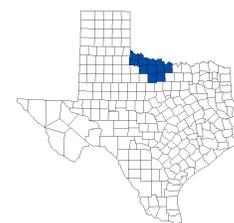


**Texas Cardiovascular Health & Wellness Program  
Texas Department of State Health Services**

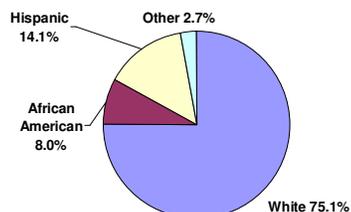


**ST Elevation Myocardial Infarction (STEMI) Facts  
Texas Trauma Service Area (TSA) C**

Updated March 2010

<http://www.dshs.state.tx.us/wellness/data.shtm>

**Demography of TSA C in 2008 (Estimated Texas Population)**



Age	Total	Male	Female	Percent
0-17	27,208	25,937	18,786	23.9
18-29	23,752	18,786	18,575	19.2
30-34	20,724	18,575	27,318	17.7
35-64	25,827	27,318	19,526	23.9
65+	14,419	19,526	25,937	15.3
<b>Total</b>	<b>222,072</b>	<b>111,930</b>	<b>110,142</b>	<b>100.0</b>

**Prevalence<sup>1</sup> (%) of Heart Attack, Adults (18+ years),  
2005 - 2008**

**Heart Attack Age-Adjusted Mortality Rates<sup>2</sup> (per 100,000)  
2001- 2006**

	TSA C		Texas		TSA C Ages <65		TSA C Ages 65+	
	TSA C	Texas	TSA C	Texas	TSA C	Texas	TSA C	Texas
<b>Total</b>	4.6	4.5	93.0	69.9	26.7	561.5		
<b>Male</b>	4.2	3.6	126.3	86.2	34.9	720.0		
<b>Female</b>	5.0	5.0	67.6	56.8	17.8	447.6		
<b>White</b>	4.6	3.8	93.2	69.2	29.7	565.5		
<b>African American</b>	*	2.4	106.9	87	24.0	585.6		
<b>Hispanic</b>	2.0	3.9	75.9	64.9	11.3	436.1		

**Hospital Discharge Data<sup>3</sup> for STEMI , Texas, 2008**

	Total		Age <65		Age 65+	
	TSA C	Texas	TSA C	Texas	TSA C	Texas
	<b>Number of Discharges</b>	176	11,630	91	6,932	85
<b>Total Charges</b>	\$12,877,035	\$926,981,129	\$7,061,327	\$544,602,262	\$5,815,708	\$382,378,867

**Texas EMS/Trauma Registry Data<sup>4</sup> for TSA C by Time (Min), 2007**

	TSA C	Texas
<b>Response Time = (Time Call Received - Time EMS Arrived on Scene)</b>	12.7	8.3
<b>Scene Time = (Time EMS Arrived on Scene – Time EMS Departed Scene)</b>	15.0	18.5
<b>Transport Time = (Time EMS Departed Scene – Time EMS Arrived at Destination)</b>	15.1	14.5
<b>Delivery Time = (Time Call Received – Time EMS Arrived at Destination)</b>	42.6	39.7

<sup>1</sup> 2005, 2006, 2007, and 2008 Texas Behavioral Risk Factor Surveillance System, Statewide BRFSS Survey, for Respondents 18 years and older who report that they have been diagnosed as having had a Heart Attack, Myocardial Infarction.

<sup>2</sup> 2001-2006 Texas Department of State Health Services Vital Statistics. Mortality due to Heart Attack (ICD-10 Code I21-I22); Age adjusted to the US 2000 census population

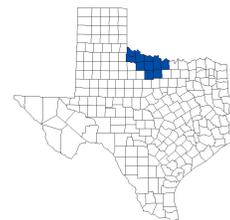
<sup>3</sup> 2008 Texas Health Care Information Council, Inpatient Hospital Discharge Public Use File, for persons all ages. STEMI (ICD-9 Code; 410.0 through 410.6 and 410.8.);

<sup>4</sup> Texas EMS/Trauma Registry Data Selected in 2007. The selection criteria are:

- Calls received during 2007
- Suspected Illness types defined as cardiac arrest, cardiac rhythm disturbance, and chest pain/discomfort
- Medical-related calls only (i.e. calls exclusively related to trauma were excluded)
- 911 calls only (no inter-facility transfers)
- Texas residents only

\* Unable to calculate due to small sample size (< 50 respondents).

**Texas Cardiovascular Health & Wellness Program  
Texas Department of State Health Services**



**Heart Attack Facts  
Texas Trauma Service Area (TSA) C**

**Heart Attack Risk Factors<sup>1</sup>, Texas, 2005, 2006, 2007, 2008**

<b>Diabetes</b>	<b>TSA C</b>	<b>Texas</b>	<b>High Blood Cholesterol (2005 &amp; 2007)</b>	<b>TSA C</b>	<b>Texas</b>
Total	12.5	9.0	Total	27.9	36.4
Male	13.0	8.8	Male	21.4	37.0
Female	12.0	9.2	Female	35.5	35.8
White	11.9	8.0	White	29.3	38.2
African American	*	12.4	African American	*	32.1
Hispanic	12.4	10.0	Hispanic	*	33.4
<b>Current Smoker</b>	<b>TSA C</b>	<b>Texas</b>	<b>High Blood Pressure (2005 &amp; 2007)</b>	<b>TSA C</b>	<b>Texas</b>
Total	25.2	18.9	Total	28.3	26.1
Male	26.5	22.0	Male	25.1	25.9
Female	23.8	16.0	Female	31.9	26.3
White	26.7	19.7	White	30.0	28.5
African American	*	22.6	African American	*	38.5
Hispanic	15.9	16.7	Hispanic	*	19.2
<b>Obesity<sup>2</sup> (BMI≥30)</b>	<b>TSA C</b>	<b>Texas</b>	<b>No Leisure Time Physical Activity<sup>3</sup></b>	<b>TSA C</b>	<b>Texas</b>
Total	33.7	27.7	Total	33.5	28.2
Male	39.1	28.1	Male	34.9	25.4
Female	27.8	27.3	Female	32.1	30.8
White	31.0	24.7	White	32.4	23.6
African American	*	38.1	African American	*	32.8
Hispanic	45.2	31.8	Hispanic	36.2	35.5

**Recognition of Heart Attack Symptoms<sup>1</sup> (2005)**

<b>Heart Attack Symptoms</b>	<b>% Of Respondents Recognizing Symptoms</b>	
	<b>TSA C</b>	<b>Texas</b>
Pain or discomfort in jaw, neck or back	41.3	39.3
Feeling weak, lightheaded, or faint	49.4	54.1
Chest pain or discomfort	82.3	86.5
Pain or discomfort in the arms or shoulders	80.4	78.4
Shortness of breath	70.6	79.0
<i>Recognizes all heart attack symptoms</i>	11.5	8.9
<b>Would call 911 as a first response if Heart Attack OR Stroke is suspected</b>	<b>85.5</b>	<b>85.1</b>

<sup>1</sup> 2005, 2006, 2007 and 2008 Texas Behavioral Risk Factor Surveillance System, Statewide BRFSS Survey, for Respondents 18 years and older who report that they have been diagnosed with high Blood Pressure, but not during pregnancy; Respondents 18 years and older who report that they have been diagnosed with high Blood Cholesterol; Respondents 18 years and older who report that they have been diagnosed with Diabetes. Does not include gestational diabetes

<sup>2</sup> Obese > 95th Percentile for BMI by Age/Sex <http://apps.nccd.cdc.gov/yrbss/QuestYearTable.asp?ByVar=C1&cat=6&quest=Q80&loc=XX&year=2007>

<sup>3</sup> Recommendation: Physical Activity -Percentage of students who were physically active doing any kind of physical activity that increased their heart rate and made them breathe hard some of the time for a total of at least 60 minutes per day on five or more of the 7 days before the survey <http://apps.nccd.cdc.gov/yrbss/QuestYearTable.asp?ByVar=C1&cat=6&quest=Q80&loc=XX&year=2007>

The "\*" indicates that the sample size was not a statistically valid sample size (< 50 respondents).