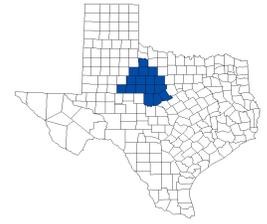


**Texas Cardiovascular Health & Wellness Program  
Texas Department of State Health Services**

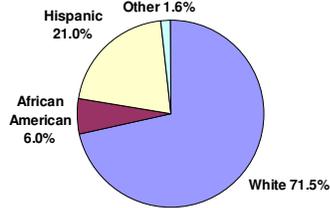


**ST Elevation Myocardial Infarction (STEMI) Facts  
Texas Trauma Service Area (TSA) D**

Updated March 2010

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

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



Age	Total	Male	Female	Percent
0-17	72,961	37,417	35,544	24.1
18-29	57,898	31,213	26,685	19.1
30-34	53,735	28,262	25,473	17.8
35-64	70,952	34,874	36,078	23.4
65+	47,169	19,948	27,221	15.6
<b>Total</b>	<b>302,715</b>	<b>151,714</b>	<b>151,001</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**

	2005 - 2008		2001- 2006			
	TSA D	Texas	TSA D	Texas	TSA D Ages <65	TSA D Ages 65+
<b>Total</b>	7.4	4.5	88.7	69.9	27.3	532.8
<b>Male</b>	10.1	3.6	112.1	86.2	37.2	616.9
<b>Female</b>	4.8	5.0	69.2	56.8	16.7	471.3
<b>White</b>	7.5	3.8	88.4	69.2	31.0	536.4
<b>African American</b>	*	2.4	121.9	87.0	30.6	629.7
<b>Hispanic</b>	6.1	3.9	78.3	64.9	13.4	450.5

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

	Total		Age <65		Age 65+	
	TSA D	Texas	TSA D	Texas	TSA D	Texas
<b>Number of Discharges</b>	328	11,630	153	6,932	175	4,707
<b>Total Charges</b>	\$23,277,782	\$926,981,129	\$11,073,069	\$544,602,262	\$12,204,713	\$382,378,867

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

	TSA D	Texas
<b>Response Time = (Time Call Received - Time EMS Arrived on Scene)</b>	11.1	8.3
<b>Scene Time = (Time EMS Arrived on Scene – Time EMS Departed Scene)</b>	18.3	18.5
<b>Transport Time = (Time EMS Departed Scene – Time EMS Arrived at Destination)</b>	16.2	14.5
<b>Delivery Time = (Time Call Received – Time EMS Arrived at Destination)</b>	43.7	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) D**

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

<b>Diabetes</b>	<b>TSA D</b>	<b>Texas</b>	<b>High Blood Cholesterol (2005 &amp; 2007)</b>	<b>TSA D</b>	<b>Texas</b>
Total	9.9	9.0	Total	40.3	36.4
Male	9.2	8.8	Male	42.0	37.0
Female	10.6	9.2	Female	38.7	35.8
White	8.6	8.0	White	42.2	38.2
African American	*	12.4	African American	*	32.1
Hispanic	10.6	10.0	Hispanic	*	33.4
<b>Current Smoker</b>	<b>TSA D</b>	<b>Texas</b>	<b>High Blood Pressure (2005 &amp; 2007)</b>	<b>TSA D</b>	<b>Texas</b>
Total	23.2	18.9	Total	37.0	26.1
Male	25.5	22.0	Male	37.9	25.9
Female	20.9	16.0	Female	36.1	26.3
White	22.8	19.7	White	38.0	28.5
African American	*	22.6	African American	*	38.5
Hispanic	25.0	16.7	Hispanic	28.7	19.2
<b>Obesity<sup>2</sup> (BMI≥30)</b>	<b>TSA D</b>	<b>Texas</b>	<b>No Leisure Time Physical Activity<sup>3</sup></b>	<b>TSA D</b>	<b>Texas</b>
Total	30.5	27.7	Total	33.7	28.2
Male	36.7	28.1	Male	33.2	25.4
Female	24.1	27.3	Female	34.1	30.8
White	29.7	24.7	White	31.9	23.6
African American	*	38.1	African American	*	32.8
Hispanic	34.8	31.8	Hispanic	36.3	35.5

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

<b>Heart Attack Symptoms</b>	<b>% Of Respondents Recognizing Symptoms</b>	
	<b>TSA D</b>	<b>Texas</b>
Pain or discomfort in jaw, neck or back	46.8	39.3
Feeling weak, lightheaded, or faint	49.7	54.1
Chest pain or discomfort	83.3	86.5
Pain or discomfort in the arms or shoulders	84.1	78.4
Shortness of breath	80.1	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).