

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

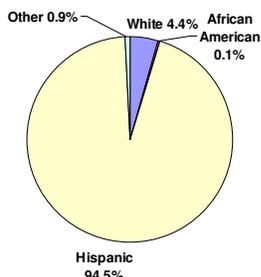


**ST Elevation Myocardial Infarction (STEMI) Facts
Texas Trauma Service Area (TSA) T**

Updated March 2010

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

Demography of TSA T in 2008 (Estimated Texas Population)



Age	Total	Male	Female	Percent
0-17	91,810	46,486	45,324	34.7
18-29	51,892	26,354	25,538	19.6
30-34	54,987	26,698	28,289	20.8
35-64	46,035	21,894	24,141	17.4
65+	19,913	8,208	11,705	7.5
Total	264,637	129,640	134,997	100.0

**Prevalence¹ (%) of Heart Attack, Adults (18+ years),
2005 - 2008**

**Heart Attack Age-Adjusted Mortality Rates² (per 100,000)
2001- 2006**

	TSA T		Texas		TSA T Ages <65		TSA T Ages 65+	
	TSA T	Texas	TSA T	Texas	TSA T	Texas	TSA T	Texas
Total	1.6	4.5	90.1	69.9	11.7	578.5		
Male	3.0	3.6	116.5	86.2	18.2	689.8		
Female	0.5	5.0	70.2	56.8	5.4	501.0		
White	0.3	3.8	81	69.2	21.7	513.3		
African American	*	2.4	55.2	87.0	47.1	0.0		
Hispanic	1.6	3.9	91.8	64.9	11.1	587.6		

Hospital Discharge Data³ for STEMI, Texas, 2008

	Total		Age <65		Age 65+	
	TSA T	Texas	TSA T	Texas	TSA T	Texas
Number of Discharges	120	11,630	61	6,932	59	4,707
Total Charges	\$10,015,275	\$926,981,129	\$5,484,553	\$544,602,262	\$4,530,722	\$382,378,867

Texas EMS/Trauma Registry Data⁴ for TSA T by Time (Min), 2007

	TSA T	Texas
Response Time = (Time Call Received - Time EMS Arrived on Scene)	27.8	8.3
Scene Time = (Time EMS Arrived on Scene – Time EMS Departed Scene)	19.7	18.5
Transport Time = (Time EMS Departed Scene – Time EMS Arrived at Destination)	31.5	14.5
Delivery Time = (Time Call Received – Time EMS Arrived at Destination)	48.8	39.7

¹ 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.

² 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

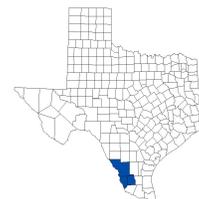
³ 2008 Texas Health Care Information Council, Inpatient Hospital Discharge Public Use File, for persons all ages. STEMI (ICD-9 Code; 410.0 through 410.6 and 410.8.);

⁴ 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).

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

Heart Attack Risk Factors¹, Texas, 2005, 2006, 2007, 2008

Diabetes	TSA T	Texas	High Blood Cholesterol (2005 & 2007)	TSA T	Texas
Total	11.4	9.0	Total	32.2	36.4
Male	9.3	8.8	Male	29.2	37.0
Female	13.0	9.2	Female	36.3	35.8
White	31.9	8.0	White	*	38.2
African American	*	12.4	African American	*	32.1
Hispanic	10.8	10.0	Hispanic	35.3	33.4
Current Smoker	TSA T	Texas	High Blood Pressure (2005 & 2007)	TSA T	Texas
Total	20.6	18.9	Total	21.4	26.1
Male	34.0	22.0	Male	22.2	25.9
Female	11.2	16.0	Female	20.7	26.3
White	3.6	19.7	White	30.2	28.5
African American	*	22.6	African American	*	38.5
Hispanic	20.8	16.7	Hispanic	19.8	19.2
Obesity² (BMI≥30)	TSA T	Texas	No Leisure Time Physical Activity³	TSA T	Texas
Total	30.7	27.7	Total	28.6	28.2
Male	21.8	28.1	Male	19.4	25.4
Female	37.8	27.3	Female	35.3	30.8
White	39.6	24.7	White	18.9	23.6
African American	*	38.1	African American	*	32.8
Hispanic	30.6	31.8	Hispanic	28.4	35.5

Recognition of Heart Attack Symptoms¹ (2005)

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

¹ 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

² 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>

³ 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).