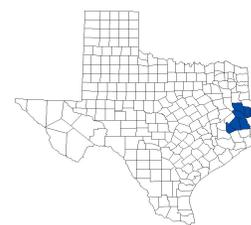


**Texas Cardiovascular Health & Wellness Program
Texas Department of State Health Services**

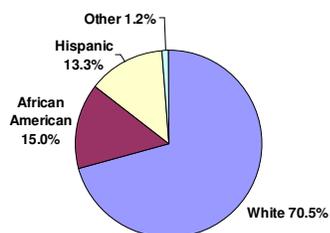


**ST Elevation Myocardial Infarction (STEMI) Facts
Texas Trauma Service Area (TSA) H**

Updated March 2010

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

Demography of TSA H in 2008 (Estimated Texas Population)



Age	Total	Male	Female	Percent
0-17	61,516	31,439	30,077	23.3
18-29	49,452	25,642	23,810	18.7
30-34	42,565	22,059	20,506	16.1
35-64	66,403	32,631	33,772	25.1
65+	44,436	19,772	24,664	16.8
Total	264,372	131,543	132,829	100.0

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

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

	Prevalence (%)		Mortality Rates (per 100,000)			
	TSA H	Texas	TSA H	Texas	TSA H Ages <65	TSA H Ages 65+
Total	4.9	4.5	115.2	69.9	40.8	639.8
Male	4.5	3.6	144.6	86.2	54.3	740.2
Female	5.2	5.0	90.0	56.8	26.9	559.8
White	5.6	3.8	115.8	69.2	46.1	647.8
African American	*	2.4	126.8	87.0	45.6	649.7
Hispanic	1.3	3.9	55.2	64.9	6.5	306.3

Hospital Discharge Data³ for STEMI , Texas, 2008

	Total		Age <65		Age 65+	
	TSA H	Texas	TSA H	Texas	TSA H	Texas
Number of Discharges	162	11,630	77	6,932	85	4,707
Total Charges	\$18,483,679	\$926,981,129	\$8,601,443	\$544,602,262	\$9,882,236	\$382,378,867

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

	TSA H	Texas
Response Time = (Time Call Received - Time EMS Arrived on Scene)	10.6	8.3
Scene Time = (Time EMS Arrived on Scene – Time EMS Departed Scene)	13.7	18.5
Transport Time = (Time EMS Departed Scene – Time EMS Arrived at Destination)	9.5	14.5
Delivery Time = (Time Call Received – Time EMS Arrived at Destination)	33.4	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).

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



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

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

Diabetes	TSA H	Texas	High Blood Cholesterol (2005 & 2007)	TSA H	Texas
Total	10.0	9.0	Total	40.6	36.4
Male	12.8	8.8	Male	37.4	37.0
Female	7.5	9.2	Female	43.0	35.8
White	10.7	8.0	White	41.3	38.2
African American	*	12.4	African American	*	32.1
Hispanic	9.3	10.0	Hispanic	*	33.4
Current Smoker	TSA H	Texas	High Blood Pressure (2005 & 2007)	TSA H	Texas
Total	26.4	18.9	Total	33.9	26.1
Male	27.2	22.0	Male	33.2	25.9
Female	25.7	16.0	Female	34.6	26.3
White	28.9	19.7	White	39.7	28.5
African American	*	22.6	African American	*	38.5
Hispanic	17.7	16.7	Hispanic	*	19.2
Obesity² (BMI≥30)	TSA H	Texas	No Leisure Time Physical Activity³	TSA H	Texas
Total	31.1	27.7	Total	35.4	28.2
Male	29.5	28.1	Male	32.8	25.4
Female	32.5	27.3	Female	37.6	30.8
White	32.7	24.7	White	36.8	23.6
African American	*	38.1	African American	*	32.8
Hispanic	25.4	31.8	Hispanic	33.4	35.5

Recognition of Heart Attack Symptoms¹ (2005)

Heart Attack Symptoms	% Of Respondents Recognizing Symptoms	
	TSA H	Texas
Pain or discomfort in jaw, neck or back	32.5	39.3
Feeling weak, lightheaded, or faint	40.8	54.1
Chest pain or discomfort	91.8	86.5
Pain or discomfort in the arms or shoulders	82.9	78.4
Shortness of breath	79.7	79.0
<i>Recognizes all heart attack symptoms</i>	4.2	8.9
Would call 911 as a first response if Heart Attack OR Stroke is suspected	85.5	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).