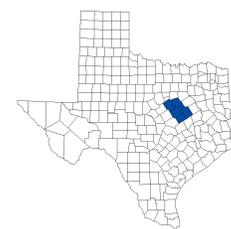


**Texas Cardiovascular Health & Wellness Program  
Texas Department of State Health Services**



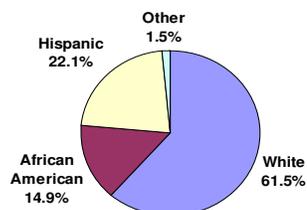
**Heart Attack Facts**

**Texas Trauma Service Area (TSA) M**

Updated November 2009

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

**Demography of TSA M in 2007 (Estimated Texas Population)**



Age	Total	Male	Female	Percent
0-17	79,910	41,076	38,834	25.0
18-29	66,162	33,790	32,372	20.7
30-34	57,724	28,726	28,998	18.1
35-64	71,710	35,189	36,521	22.4
65+	43,974	18,655	25,319	13.8
<b>Total</b>	<b>319,480</b>	<b>157,436</b>	<b>162,044</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 M		Texas		TSA M Ages <65		TSA M Ages 65+	
	TSA M	Texas	TSA M	Texas	TSA M	Texas	TSA M	Texas
<b>Total</b>	4.4	4.5	108.5	69.9	31.3	656.9		
<b>Male</b>	4.7	3.6	137.1	86.2	42.2	762.3		
<b>Female</b>	4.2	5.0	85.5	56.8	20.2	581.6		
<b>White</b>	4.7	3.8	103.7	69.2	34.2	644.4		
<b>African American</b>	3.4	2.4	160.7	87.0	48.4	863.4		
<b>Hispanic</b>	*	3.9	82.1	64.9	10.4	456.9		

**Hospital Discharge Data<sup>3</sup> for Heart Attack, Texas, 2007**

	Total		Age <65		Age 65+	
	TSA M	Texas	TSA M	Texas	TSA M	Texas
<b>Number of Discharges</b>	668	39,359	277	18,631	391	20,728
<b>Total Charges</b>	\$28,467,028	\$2,573,106,724	\$13,371,513	\$1,265,804,938	\$15,095,515	\$1,307,301,786

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

	TSA M	Texas
<b>Response Time = (Time Call Received - Time EMS Arrived on Scene)</b>	10.3	8.3
<b>Scene Time = (Time EMS Arrived on Scene – Time EMS Departed Scene)</b>	15.6	18.5
<b>Transport Time = (Time EMS Departed Scene – Time EMS Arrived at Destination)</b>	14.5	14.5
<b>Delivery Time = (Time Call Received – Time EMS Arrived at Destination)</b>	42.0	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> 2007 Texas Health Care Information Council, Inpatient Hospital Discharge Public Use File, for persons all ages. heart attack (ICD-9 Code 410);

<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).

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

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

<b>Diabetes</b>	<b>TSA M</b>	<b>Texas</b>	<b>High Blood Cholesterol (2005 &amp; 2007)</b>	<b>TSA M</b>	<b>Texas</b>
Total	10.0	9.0	Total	37.3	36.4
Male	10.6	8.8	Male	32.7	37.0
Female	9.4	9.2	Female	41.0	35.8
White	9.0	8.0	White	41.4	38.2
African American	8.5	12.4	African American	*	32.1
Hispanic	*	10.0	Hispanic	*	33.4
<b>Current Smoker</b>	<b>TSA M</b>	<b>Texas</b>	<b>High Blood Pressure (2005 &amp; 2007)</b>	<b>TSA M</b>	<b>Texas</b>
Total	24.1	18.9	Total	32.5	26.1
Male	30.7	22.0	Male	30.8	25.9
Female	17.7	16.0	Female	33.9	26.3
White	23.3	19.7	White	33.9	28.5
African American	*	22.6	African American	*	38.5
Hispanic	*	16.7	Hispanic	*	19.2
<b>Obesity<sup>2</sup> (BMI≥30)</b>	<b>TSA M</b>	<b>Texas</b>	<b>No Leisure Time Physical Activity<sup>3</sup></b>	<b>TSA M</b>	<b>Texas</b>
Total	30.1	27.7	Total	34.7	28.2
Male	30.5	28.1	Male	32.7	25.4
Female	29.7	27.3	Female	36.8	30.8
White	26.7	24.7	White	28.3	23.6
African American	*	38.1	African American	44.4	32.8
Hispanic	*	31.8	Hispanic	*	35.5

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

<b>Heart Attack Symptoms</b>	<b>% Of Respondents Recognizing Symptoms</b>	
	<b>TSA M</b>	<b>Texas</b>
Pain or discomfort in jaw, neck or back	38.1	39.3
Feeling weak, lightheaded, or faint	51.4	54.1
Chest pain or discomfort	81.0	86.5
Pain or discomfort in the arms or shoulders	78.4	78.4
Shortness of breath	84.4	79.0
<i>Recognizes all heart attack symptoms</i>	7.1	8.9
Would call 911 as a first response if <b>Heart Attack OR Stroke</b> is suspected	85.5	85.1

<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).