

# Texas Cardiovascular Health & Wellness Program

## Texas Department of State Health Services



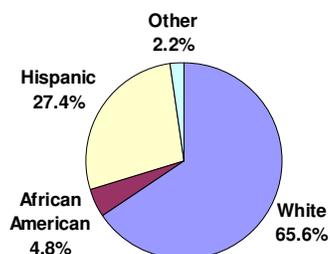
### Heart Attack Facts

#### Texas Trauma Service Area (TSA) A

Updated November 2009

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

#### Demography of TSA A in 2007 (Estimated Texas Population)



Age	Total	Male	Female	Percent
0-17	108,207	52,696	55,511	26.0
18-29	74,243	35,082	39,161	17.8
30-34	80,454	38,412	42,042	19.3
35-64	99,052	49,639	49,413	23.8
65+	54,289	31,035	23,254	13.0
<b>Total</b>	<b>416,245</b>	<b>206,864</b>	<b>209,381</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 A		Texas		TSA A Ages <65		TSA A Ages 65+	
	TSA A	Texas	TSA A	Texas	TSA A	Texas	TSA A	Texas
<b>Total</b>	4.5	4.5	65.1	69.9	18.4	381.6		
<b>Male</b>	4.6	3.6	78.9	86.2	25.2	411.8		
<b>Female</b>	4.3	5.0	51.0	56.8	9.7	343.6		
<b>White</b>	5.0	3.8	66.5	69.2	23.3	389.6		
<b>African American</b>	2.6	2.4	55.0	87.0	6.9	312.6		
<b>Hispanic</b>	3.0	3.9	41.0	64.9	5.8	206.3		

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

	Total		Age <65		Age 65+	
	TSA A	Texas	TSA A	Texas	TSA A	Texas
	<b>Number of Discharges</b>	731	39,359	361	18,631	370
<b>Total Charges</b>	\$43,371,370	\$2,573,106,724	\$22,223,631	\$1,265,804,938	\$21,147,739	\$1,307,301,786

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

	TSA A	Texas
<b>Response Time = (Time Call Received - Time EMS Arrived on Scene)</b>	7.4	8.3
<b>Scene Time = (Time EMS Arrived on Scene – Time EMS Departed Scene)</b>	15.9	18.5
<b>Transport Time = (Time EMS Departed Scene – Time EMS Arrived at Destination)</b>	17.2	14.5
<b>Delivery Time = (Time Call Received – Time EMS Arrived at Destination)</b>	38.6	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> 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  
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**Heart Disease Risk Factors<sup>1</sup>, Texas, 2005, 2006, 2007, 2008**

<b>Diabetes</b>	<b>TSA A</b>	<b>Texas</b>	<b>High Blood Cholesterol (2005 &amp; 2007)</b>	<b>TSA A</b>	<b>Texas</b>
Total	7.6	9.0	Total	33.9	36.4
Male	6.4	8.8	Male	34.1	37.0
Female	8.6	9.2	Female	33.8	35.8
White	7.8	8.0	White	36.8	38.2
African American	7.9	12.4	African American	*	32.1
Hispanic	7.3	10.0	Hispanic	26.8	33.4
<b>Current Smoker</b>	<b>TSA A</b>	<b>Texas</b>	<b>High Blood Pressure (2005 &amp; 2007)</b>	<b>TSA A</b>	<b>Texas</b>
Total	20.6	18.9	Total	23.0	26.1
Male	25.0	22.0	Male	22.2	25.9
Female	16.6	16.0	Female	23.7	26.3
White	20.0	19.7	White	24.4	28.5
African American	36.1	22.6	African American	*	38.5
Hispanic	16.4	16.7	Hispanic	11.6	19.2
<b>Obesity<sup>2</sup> (BMI≥30)</b>	<b>TSA A</b>	<b>Texas</b>	<b>No Leisure Time Physical Activity<sup>3</sup></b>	<b>TSA A</b>	<b>Texas</b>
Total	30.0	27.7	Total	31.4	28.2
Male	30.6	28.1	Male	29.1	25.4
Female	29.5	27.3	Female	33.4	30.8
White	29.5	24.7	White	26.1	23.6
African American	40.8	38.1	African American	45.0	32.8
Hispanic	29.9	31.8	Hispanic	40.9	35.5

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

<b>Heart Attack Symptoms</b>	<b>% Of Respondents Recognizing Symptoms</b>	
	<b>TSA A</b>	<b>Texas</b>
Pain or discomfort in jaw, neck or back	34.1	39.3
Feeling weak, lightheaded, or faint	55.4	54.1
Chest pain or discomfort	83.4	86.5
Pain or discomfort in the arms or shoulders	70.1	78.4
Shortness of breath	71.1	79.0
<i>Recognizes all heart attack symptoms</i>	8.4	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).