

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



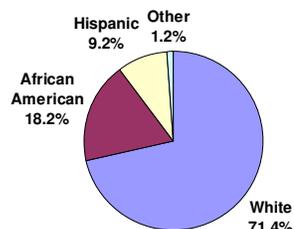
Heart Attack Facts

Texas Trauma Service Area (TSA) F

Updated November 2009

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

Demography of TSA F in 2007 (Estimated Texas Population)



Age	Total	Male	Female	Percent
0-17	66,468	34,133	32,335	24.4
18-29	43,203	22,256	20,947	15.9
30-34	50,792	26,560	24,232	18.7
35-64	68,755	34,090	34,665	25.3
65+	42,662	18,132	24,530	15.7
Total	271,880	135,171	136,709	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 F	Texas	TSA F	Texas	TSA F Ages <65	TSA F Ages 65+
Total	4.1	4.5	120.4	69.9	44.4	692.1
Male	5.4	3.6	151.5	86.2	60.9	797.2
Female	2.7	5.0	93.9	56.8	27.3	617.7
White	5.3	3.8	114.3	69.2	45.2	667.7
African American	0.0	2.4	171.4	87.0	60.2	917.2
Hispanic	*	3.9	32.3	64.9	6.3	135.0

Hospital Discharge Data³ for Heart Attack, Texas, 2007

	Total		Age <65		Age 65+	
	TSA F	Texas	TSA F	Texas	TSA F	Texas
Number of Discharges	717	39,359	329	18,631	388	20,728
Total Charges	\$44,893,565	\$2,573,106,724	\$22,966,233	\$1,265,804,938	\$21,927,333	\$1,307,301,786

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

	TSA F	Texas
Response Time = (Time Call Received - Time EMS Arrived on Scene)	9.2	8.3
Scene Time = (Time EMS Arrived on Scene – Time EMS Departed Scene)	16.7	18.5
Transport Time = (Time EMS Departed Scene – Time EMS Arrived at Destination)	13.8	14.5
Delivery Time = (Time Call Received – Time EMS Arrived at Destination)	39.5	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

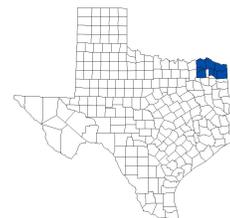
³ 2007 Texas Health Care Information Council, Inpatient Hospital Discharge Public Use File, for persons all ages. heart attack (ICD-9 Code 410);

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 Disease Facts
Texas Trauma Service Area (TSA) F**

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

Diabetes	TSA F	Texas	High Blood Cholesterol (2005 & 2007)	TSA F	Texas
Total	10.8	9.0	Total	34.2	36.4
Male	9.0	8.8	Male	29.7	37.0
Female	12.6	9.2	Female	37.6	35.8
White	10.6	8.0	White	39.3	38.2
African American	18.3	12.4	African American	*	32.1
Hispanic	*	10.0	Hispanic	*	33.4
Current Smoker	TSA F	Texas	High Blood Pressure (2005 & 2007)	TSA F	Texas
Total	23.4	18.9	Total	28.2	26.1
Male	26.6	22.0	Male	26.5	25.9
Female	20.3	16.0	Female	29.7	26.3
White	21.3	19.7	White	27.3	28.5
African American	35.6	22.6	African American	*	38.5
Hispanic	*	16.7	Hispanic	*	19.2
Obesity² (BMI≥30)	TSA F	Texas	No Leisure Time Physical Activity³	TSA F	Texas
Total	30.6	27.7	Total	32.7	28.2
Male	28.4	28.1	Male	35.0	25.4
Female	32.9	27.3	Female	30.5	30.8
White	27.7	24.7	White	30.9	23.6
African American	*	38.1	African American	30.5	32.8
Hispanic	*	31.8	Hispanic	*	35.5

Recognition of Heart Attack Symptoms¹ (2005)

Heart Attack Symptoms	% Of Respondents Recognizing Symptoms	
	TSA F	Texas
Pain or discomfort in jaw, neck or back	47.9	39.3
Feeling weak, lightheaded, or faint	66.0	54.1
Chest pain or discomfort	88.8	86.5
Pain or discomfort in the arms or shoulders	83.4	78.4
Shortness of breath	83.3	79.0
<i>Recognizes all heart attack symptoms</i>	9.5	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).