

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

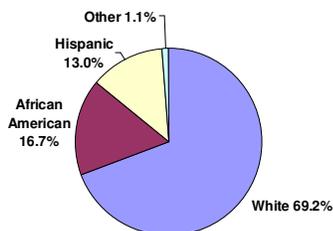


ST Elevation Myocardial Infarction (STEMI) Facts Texas Trauma Service Area (TSA) G

Updated March 2010

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

Demography of TSA G in 2008 (Estimated Texas Population)



Age	Total	Male	Female	Percent
0-17	215,056	110,046	105,010	23.6
18-29	155,762	82,476	73,286	17.1
30-34	158,304	84,565	73,739	17.4
35-64	235,015	117,284	117,731	25.8
65+	145,688	63,984	81,704	16.0
Total	909,825	458,355	451,470	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 G	Texas	TSA G	Texas	TSA G Ages <65	TSA G Ages 65+
Total	5.9	4.5	102.7	69.9	35.0	589.3
Male	6.0	3.6	130.4	86.2	49.5	674.6
Female	5.8	5.0	79.3	56.8	19.7	524.8
White	6.4	3.8	100.6	69.2	38.7	577.3
African American	5.3	2.4	129.6	87	40.8	729
Hispanic	3.1	3.9	43.1	64.9	4.8	240.2

Hospital Discharge Data³ for STEMI, Texas, 2008

	Total		Age <65		Age 65+	
	TSA G	Texas	TSA G	Texas	TSA G	Texas
	Number of Discharges	671	11,630	366	6,932	305
Total Charges	\$55,812,780	\$926,981,129	\$29,571,153	\$544,602,262	\$26,241,627	\$382,378,867

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

	TSA G	Texas
Response Time = (Time Call Received - Time EMS Arrived on Scene)	10.7	8.3
Scene Time = (Time EMS Arrived on Scene – Time EMS Departed Scene)	16.0	18.5
Transport Time = (Time EMS Departed Scene – Time EMS Arrived at Destination)	12.9	14.5
Delivery Time = (Time Call Received – Time EMS Arrived at Destination)	38.4	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
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**Heart Attack Facts
Texas Trauma Service Area (TSA) G**

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

Diabetes	TSA G	Texas	High Blood Cholesterol (2005 & 2007)	TSA G	Texas
Total	9.1	9.0	Total	42.0	36.4
Male	10.7	8.8	Male	42.8	37.0
Female	7.7	9.2	Female	41.3	35.8
White	8.4	8.0	White	40.4	38.2
African American	14.5	12.4	African American	56.0	32.1
Hispanic	6.7	10.0	Hispanic	36.9	33.4
Current Smoker	TSA G	Texas	High Blood Pressure (2005 & 2007)	TSA G	Texas
Total	25.0	18.9	Total	29.6	26.1
Male	30.5	22.0	Male	33.1	25.9
Female	20.2	16.0	Female	26.7	26.3
White	25.6	19.7	White	31.3	28.5
African American	25.7	22.6	African American	49.5	38.5
Hispanic	17.9	16.7	Hispanic	12.9	19.2
Obesity² (BMI≥30)	TSA G	Texas	No Leisure Time Physical Activity³	TSA G	Texas
Total	30.5	27.7	Total	32.7	28.2
Male	33.4	28.1	Male	35.0	25.4
Female	27.8	27.3	Female	30.5	30.8
White	28.2	24.7	White	30.9	23.6
African American	42.3	38.1	African American	30.5	32.8
Hispanic	29.6	31.8	Hispanic	*	35.5

Recognition of Heart Attack Symptoms¹ (2005)

Heart Attack Symptoms	% Of Respondents Recognizing Symptoms	
	TSA G	Texas
Pain or discomfort in jaw, neck or back	47.8	39.3
Feeling weak, lightheaded, or faint	53.9	54.1
Chest pain or discomfort	83.9	86.5
Pain or discomfort in the arms or shoulders	79.0	78.4
Shortness of breath	78.0	79.0
<i>Recognizes all heart attack symptoms</i>	13.2	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).