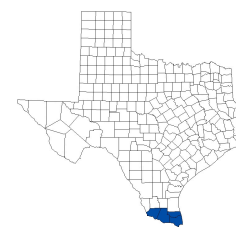


Texas Cardiovascular Health & Wellness Program

Texas Department of State Health Services



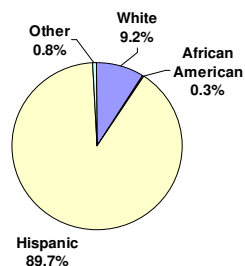
Heart Disease Facts

Texas Trauma Service Area (TSA) V

Updated September 2009

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

Demography of TSA V in 2007 (Estimated Texas Population)



Age	Total	Male	Female	Percent
0-17	400,790.0	204,003.0	196,787.0	33.3
18-29	234,926.0	121,851.0	113,075.0	19.5
30-34	235,854.0	112,985.0	122,869.0	19.6
35-64	216,664.0	101,829.0	114,835.0	18.0
65+	115,512.0	50,550.0	64,962.0	9.6
Total	1,203,746.0	591,218.0	612,528.0	100.0

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

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

	TSA V		Texas		TSA V Ages <65		TSA V Ages 65+	
	TSA V	Texas	TSA V	Texas	TSA V	Texas	TSA V	Texas
Total	6.2	6.6	192.5	231.4	31.8	1217.2		
Male	5.8	7.0	237.2	271.2	45.1	1416.5		
Female	6.5	6.1	155.7	198.2	19.0	1059.7		
White	12.7	7.7	179.7	235.6	76.0	1151.5		
African American	*	5.5	249.0	315.0	39.0	1571.7		
Hispanic	5.2	4.8	205.2	188.4	28.4	1254.4		

Hospital Discharge Data³ for Heart Disease, Texas, 2007

	Total		Age <65		Age 65+	
	TSA V	Texas	TSA V	Texas	TSA V	Texas
Number of Discharges						
Ischemic Heart Disease	5,013	106,455	2,069	51,373	2,944	55,082
Congestive Heart Failure	3,770	67,619	1,071	22,272	2,699	45,347
Total Charges						
Ischemic Heart Disease	\$390,281,539	\$6,259,790,763	\$79,048,106	\$2,972,996,702	\$232,898,989	\$3,286,794,061
Congestive Heart Failure	\$181,116,572	\$2,579,945,218	\$55,491,665	\$926,201,193	\$125,624,907	\$1,653,744,025

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

	TSA V	Texas
Response Time = (Time Call Received - Time EMS Arrived on Scene)	13.2	8.3
Scene Time = (Time EMS Arrived on Scene – Time EMS Departed Scene)	17.1	18.5
Transport Time = (Time EMS Departed Scene – Time EMS Arrived at Destination)	15.6	14.5
Delivery Time = (Time Call Received – Time EMS Arrived at Destination)	44.8	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, Angina, or Coronary Heart Disease.

² 2001-2006 Texas Department of State Health Services Vital Statistics. Mortality due to Heart Disease (ICD-10 Code I00-I09, I11, I13, I20-I51); Age adjusted to the US 2000 census population

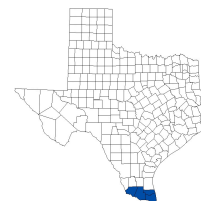
³ 2007 Texas Health Care Information Council, Inpatient Hospital Discharge Public Use File, for persons all ages. Ischemic heart disease (ICD-9 Code 410-414); Congestive Heart Failure (ICD-9 Code 428).

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

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

Diabetes	TSA V	Texas	High Blood Cholesterol (2005 & 2007)	TSA V	Texas
Total	10.8	9.0	Total	36.2	36.4
Male	9.2	8.8	Male	33.9	37.0
Female	12.0	9.2	Female	38.2	35.8
White	10.7	8.0	White	41.0	38.2
African American	*	12.4	African American	*	32.1
Hispanic	10.8	10.0	Hispanic	35.4	33.4
Current Smoker	TSA V	Texas	High Blood Pressure (2005 & 2007)	TSA V	Texas
Total	12.8	18.9	Total	24.1	26.1
Male	20.3	22.0	Male	23.0	25.9
Female	6.7	16.0	Female	25.1	26.3
White	12.2	19.7	White	37.4	28.5
African American	*	22.6	African American	*	38.5
Hispanic	12.7	16.7	Hispanic	21.8	19.2
Obesity² (BMI≥30)	TSA V	Texas	No Leisure Time Physical Activity³	TSA V	Texas
Total	35.2	27.7	Total	35.4	28.2
Male	30.7	28.1	Male	30.0	25.4
Female	39.0	27.3	Female	39.7	30.8
White	23.9	24.7	White	21.4	23.6
African American	*	38.1	African American	*	32.8
Hispanic	37.2	31.8	Hispanic	37.2	35.5

Recognition of Heart Attack Symptoms¹ (2005)

Heart Attack Symptoms	% Of Respondents Recognizing Symptoms	
	TSA V	Texas
Pain or discomfort in jaw, neck or back	35.2	39.3
Feeling weak, lightheaded, or faint	53.4	54.1
Chest pain or discomfort	85.4	86.5
Pain or discomfort in the arms or shoulders	75.2	78.4
Shortness of breath	73.6	79.0
<i>Recognizes all heart attack symptoms</i>	5.5	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).