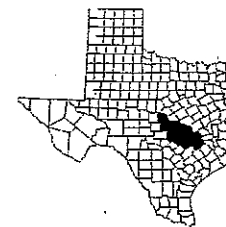


**Texas Cardiovascular Health & Wellness Program
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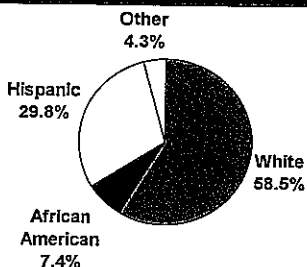


Heart Disease Facts

Texas Trauma Service Area (TSA) O

Updated September 2009

Demography of TSA O in 2007 (Estimated Total Population)



Age	Total	Male	Female	Percent
0-17	398,341	204,274	194,067	24.2
18-29	328,356	173,443	154,913	20.0
30-34	400,484	212,856	187,628	24.4
35-64	378,855	190,491	188,364	23.1
65+	137,173	60,157	77,016	8.3
Total	1,643,209	841,221	801,988	100.0

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

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

	TSA O		Texas		TSA O Ages <65		TSA O Age 65+	
	Prevalence (%)	Mortality Rate	Prevalence (%)	Mortality Rate	Prevalence (%)	Mortality Rate	Prevalence (%)	Mortality Rate
Total	5.3	184.1	6.6	231.4	26.3	1217.0	12.1	1217.0
Male	6.3	213.5	7.0	271.2	36.6	1282.0	12.1	1282.0
Female	4.1	159.0	6.1	198.2	15.3	1167.0	12.1	1167.0
White	6.2	183.7	7.7	235.6	29.8	1257.0	12.1	1257.0
African American	3.4	271.6	5.5	315.0	58.2	1555.0	12.1	1555.0
Hispanic	4.3	151.7	4.8	188.4	13.6	894.1	12.1	894.1

Hospital Discharge Data³ for Heart Disease, Texas, 2007

	Total		Age <65		Age 65+	
	TSA O	Texas	TSA O	Texas	TSA O	Texas
Number of Discharges						
Ischemic Heart Disease	5,143	106,455	2,599	51,373	2,544	55,080
Congestive Heart Failure	3,208	67,619	1,069	22,272	2,139	45,340
Total Charges						
Ischemic Heart Disease	\$287,763,939	\$6,259,790,763	\$144,398,470	\$2,972,996,702	\$143,365,470	\$3,286,790,000
Congestive Heart Failure	\$110,369,090	\$2,579,945,218	\$36,844,390	\$926,201,193	\$73,524,701	\$1,653,740,000

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

	TSA O	Texas
Response Time = (Time Call Received - Time EMS Arrived on Scene)	7.5	8.3
Scene Time = (Time EMS Arrived on Scene - Time EMS Departed Scene)	20.7	18.5
Transport Time = (Time EMS Departed Scene - Time EMS Arrived at Destination)	19.4	14.5
Delivery Time = (Time Call Received - Time EMS Arrived at Destination)	44.7	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 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
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**Heart Disease Facts
Texas Trauma Service Area (TSA) O**

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

Diabetes	TSA O	Texas	High Blood Cholesterol (2005 & 2007)	TSA O	Texas
Total	7.2	9.0	Total	34.5	36.4
Male	7.1	8.8	Male	35.6	37.0
Female	7.4	9.2	Female	33.5	35.8
White	6.5	8.0	White	35.7	38.2
African American	12.7	12.4	African American	38.2	32.1
Hispanic	8.5	10.0	Hispanic	29.3	33.4
Current Smoker	TSA O	Texas	High Blood Pressure (2005 & 2007)	TSA O	Texas
Total	19.5	18.9	Total	21.1	26.1
Male	23.4	22.0	Male	22.5	25.9
Female	14.8	16.0	Female	19.5	26.3
White	19.6	19.7	White	22.0	28.5
African American	15.8	22.6	African American	38.2	38.5
Hispanic	21.4	16.7	Hispanic	14.0	19.2
Obesity² (BMI≥30)	TSA O	Texas	No Leisure Time Physical Activity³	TSA O	Texas
Total	22.7	27.7	Total	21.6	28.2
Male	22.0	28.1	Male	21.1	25.4
Female	23.4	27.3	Female	22.2	30.8
White	19.3	24.7	White	16.9	23.6
African American	42.8	38.1	African American	34.1	32.8
Hispanic	31.7	31.8	Hispanic	33.8	35.5

Recognition of Heart Attack Symptoms¹ (2005)

Heart Attack Symptoms	% Of Respondents Recognizing Symptoms	
	TSA O	Texas
Pain or discomfort in jaw, neck or back	42.7	39.3
Feeling weak, lightheaded, or faint	60.4	54.1
Chest pain or discomfort	91.2	86.5
Pain or discomfort in the arms or shoulders	83.3	78.4
Shortness of breath	83.0	79.0
<i>Recognizes all heart attack symptoms</i>	12.1	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).