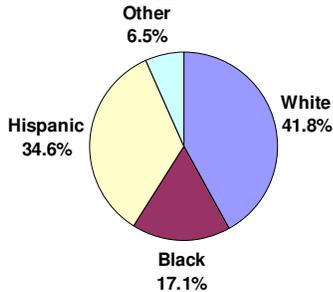


**Texas Cardiovascular Health & Wellness Program
Texas Department of State Health Services**



**Cardiovascular Health Facts 2001-2007
City of Huntsville (Health Service Region 6)**

Demography of Health Service Region 6 (HSR 6) in 2007 (Estimated Texas Population)



Demographics				
Age	Total	Males	Females	Percent
0-17	1,566,535	800,944	765,591	27.3%
18-29	1,025,427	533,537	491,890	17.9%
30-34	1,326,158	670,677	655,481	23.1%
35-64	1,360,388	677,124	683,264	23.7%
65+	460,792	201,353	259,439	8.0%
Total	5,739,300	2,883,635	2,855,665	100.0%

Prevalence of Cardiovascular Disease (CVD) and Stroke Among Adults (≥18) 2007

	CVD ¹		Heart Disease ²		Stroke	
	HSR 6	Texas	HSR 6	Texas	HSR 6	Texas
Total	6.9%	8.3%	5.8%	6.7%	2.3%	2.8%
Male	7.4%	8.6%	6.4%	7.3%	2.6%	2.6%
Female	6.4%	8.0%	5.2%	6.1%	2.0%	3.0%
White	8.3%	9.4%	7.1%	7.8%	2.7%	2.9%
African American	7.4%	8.6%	5.5%	5.7%	3.5%	4.4%
Hispanic	4.6%	6.4%	3.9%	5.2%	1.3%	2.1%

CVD and Stroke Age-Adjusted Mortality Rates³ (per 100,000) 2001-2005

	CVD		Heart Disease		Stroke	
	HSR 6	Texas	HSR 6	Texas	HSR 6	Texas
Total	326.1	317.5	243.3	237.6	61.8	58.8
Male	363.1	356.0	285.8	279.2	56.3	55.1
Female	293.4	284.0	208.1	203.1	64.7	60.6
White	326.5	319.2	247.9	241.0	58.6	57.7
African American	449.3	451.1	325.2	327.6	88.8	87.8
Hispanic	234.1	259.8	169.5	194.6	50.7	48.1

Hospital Discharge Data⁴

Texas EMS/Trauma Registry Data⁵ 2007 for Health Service Region 6

	HSR 6, 2007 Hospital Charges	Time (Min) for CVD		Time (Min) for Stroke	
		HSR 6	Texas	HSR 6	Texas
Ischemic Heart Disease	\$ 1,316,412,710	Response Time = (Time Call Received - Time EMS Arrived on Scene)			
		7.9	8.3	8.8	9.1
Hemorrhagic Stroke	\$ 195,668,346	Scene Time = (Time EMS Arrived on Scene - Time EMS Departed Scene)			
		19.9	18.5	19.5	18.1
Ischemic Stroke	\$ 404,847,785	Transport Time = (Time EMS Departed Scene - Time EMS Arrived at Destination)			
		14.0	14.5	15.2	14.3
Congestive Heart Failure	\$ 649,123,266	Delivery Time = (Time Call Received - Time EMS Arrived at Destination)			
		40.8	39.7	42.9	40.2

¹ 2007 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, Coronary Heart Disease, or Stroke.

² Respondents 18 years and older who report that they have been diagnosed as having had a Heart Attack or Myocardial Infarction.

³ 2001-2005 Texas Department of State Health Services Vital Statistics. Mortality due to CVD (ICD-10 Code I00-I99); Heart Disease (ICD-10 Code I00-I09, I11, I13, I20-I51); Stroke (ICD-10 Code I60-I69).

⁴ 2007 Texas Health Care Information Collection, Inpatient Hospital Discharge Public Use File, for persons all ages. Ischemic heart disease (ICD-9 Code 410-414); Hemorrhagic Stroke (ICD-9 Code 430-432); Ischemic Stroke (ICD-9 Code 436-438,433,434); Congestive Heart Failure (ICD-9 Code 428).

⁵ Texas EMS/Trauma Registry Data Selected in 2007. the selection criteria as:

- Calls received during 2007
- Suspected Illness Types include 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

The '-' indicates that the sample size was not a statistically valid sample size (< 50 respondents).

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



**Cardiovascular Health Facts 2005-2007
City of Huntsville (Health Service Region 6)**

CVD Risk Factors¹ in 2007

Diabetes		HSR 6	Texas	High Blood Cholesterol		HSR 6	Texas
Total		9.8%	10.4%	Total		40.1%	38.5%
Male		9.0%	9.9%	Male		46.5%	40.7%
Female		10.5%	10.8%	Female		34.6%	36.5%
White		8.5%	8.5%	White		40.5%	40.0%
African American		10.1%	12.9%	African American		35.0%	33.2%
Hispanic		11.7%	12.3%	Hispanic		34.6%	37.3%
Current Smoker		HSR 6	Texas	High Blood Pressure		HSR 6	Texas
Total		15.5%	19.3%	Total		29.3%	27.8%
Male		16.4%	21.9%	Male		30.3%	27.7%
Female		15.6%	16.9%	Female		28.3%	30.0%
White		16.1%	20.5%	White		29.7%	29.1%
African American		16.1%	21.4%	African American		43.9%	41.4%
Hispanic		15.7%	17.5%	Hispanic		18.8%	21.7%
Obesity (BMI>=30)		HSR 6	Texas	No Leisure Time Physical Activity		HSR 6	Texas
Total		26.6%	28.6%	Total		27.5%	28.3%
Male		26.8%	28.6%	Male		23.4%	25.5%
Female		26.5%	28.5%	Female		31.3%	31.0%
White		24.7%	25.7%	White		21.3%	23.5%
African American		38.3%	38.7%	African American		32.5%	33.7%
Hispanic		28.1%	32.7%	Hispanic		35.4%	34.3%
Poor Nutrition⁵		HSR 6	Texas	Youth Risk Factors (2007)		U.S.	Texas
Total		74.7%	74.8%	Current cigarette use ²		20.0%	21.1%
Male		77.5%	77.8%	Obesity ³		13.0%	15.9%
Female		72.2%	71.9%	Met recommended levels of physical activity ⁴		34.7%	42.5%
White		72.3%	73.4%	Ate fruits and vegetables 5 or more times/day		21.4%	17.4%
African American		78.5%	75.7%				
Hispanic		75.0%	75.2%				

Recognition of CVD and Stroke Symptoms¹ (2005) HSR 6

Heart Attack	% Of Respondents Recognizing Symptoms	Stroke	% Of Respondents Recognizing Symptoms
Pain or discomfort in jaw, neck or back	38.9	Sudden confusion or trouble speaking	77.0
Feeling weak, lightheaded, or faint	55.3	Sudden numbness or weakness of face, arms, legs (especially on one side)	88.5
Chest pain or discomfort	86.5	Sudden trouble seeing in one or both eyes	65.1
Sudden trouble seeing in one or both eyes	30.0	Sudden chest pain or discomfort	36.6
Pain or discomfort in the arms or shoulders	79.2	Sudden trouble walking, dizziness, or loss of balance	78.8
Shortness of breath	78.5	Severe headache with no known cause	58.0
Recognizes all heart attack symptoms	8.5	Recognizes all stroke symptoms	17.7

Would call 911 as a first response if **Heart Attack OR Stroke** is suspected - 83.6

¹2007 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

²Percentage of students who smoked cigarettes on at least 1 day during the 30 days before the survey
<http://apps.nccd.cdc.gov/yrbss/QuestYearTable.asp?ByVar=Ci&cat=6&quest=Q80&loc=XX&year=2007>

³Obese > 95th Percentile for BMI by Age/Sex <http://apps.nccd.cdc.gov/yrbss/QuestYearTable.asp?ByVar=Ci&cat=6&quest=Q80&loc=XX&year=2007>

⁴Recommendation: 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=Ci&cat=6&quest=Q80&loc=XX&year=2007>

⁵Ate fruits and vegetables less than 5 times/day <http://apps.nccd.cdc.gov/yrbss/QuestYearTable.asp?ByVar=Ci&cat=6&quest=Q80&loc=XX&year=2007>

- indicates the sample size was not a statistically valid sample size (< 50 respondents).

* City of Huntsville (Walker County in Public Health Service Region 6)