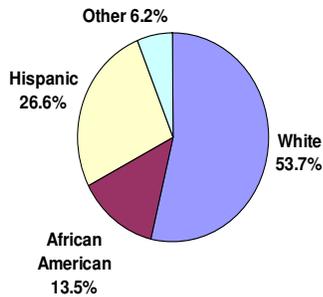


**Texas Cardiovascular Health & Wellness Program
Texas Department of State Health Services**



**Cardiovascular Health Facts 2001-2007
Tarrant County**

Demography of Tarrant County in 2007 (Estimated Texas Population)



Demographics				
Age	Total	Males	Females	Percent
0-17	459,937	233,488	226,449	27.3
18-29	296,854	150,950	145,904	17.6
30-34	400,802	202,563	198,239	23.8
35-64	388,200	191,507	196,693	23.1
65+	136,241	58,239	78,002	8.1
Total	1,682,034	836,747	845,287	100.0

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

	CVD ¹		Heart Disease ²		Stroke	
	Tarrant County	Texas	Tarrant County	Texas	Tarrant County	Texas
Total	7.8%	8.3%	6.1%	6.7%	2.1%	2.8%
Male	10.1%	8.6%	8.2%	7.3%	2.3%	2.6%
Female	5.2%	8.0%	3.9%	6.1%	1.9%	3.0%
White	9.4%	9.4%	7.9%	7.8%	2.1%	2.9%
African American	9.0%	8.6%	5.9%	5.7%	3.5%	4.4%
Hispanic	4.0%	6.4%	2.2%	5.2%	1.8%	2.1%

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

	CVD		Heart Disease		Stroke	
	Tarrant County	Texas	Tarrant County	Texas	Tarrant County	Texas
Total	339.3	317.5	244.3	237.6	70.2	58.8
Male	374.5	356.0	283.7	279.2	65.6	55.1
Female	307.9	284.0	211.7	203.1	72.2	60.6
White	337.6	319.2	245.0	241.0	68.1	57.7
African American	462.0	451.1	328.2	327.6	99.2	87.8
Hispanic	243.4	259.8	168.6	194.6	54.8	48.1

Hospital Discharge Data⁴

Texas EMS/Trauma Registry Data⁵ 2007 for Health Service Region (HSR) 2/3

Tarrant County, 2007	Hospital Charges	Time (Min) for CVD		Time (Min) for Stroke	
		HSR 2/3	Texas	HSR 2/3	Texas
Ischemic Heart Disease	\$367,382,005	Response Time = (Time Call Received - Time EMS Arrived on Scene)			
		8.0	8.3	8.4	9.1
Hemorrhagic Stroke	\$43,599,955	Scene Time = (Time EMS Arrived on Scene - Time EMS Departed Scene)			
		18.1	18.5	18.0	18.1
Ischemic Stroke	\$94,735,645	Transport Time = (Time EMS Departed Scene - Time EMS Arrived at Destination)			
		15.5	14.5	14.0	14.3
Congestive Heart Failure	\$136,176,414	Delivery Time = (Time Call Received - Time EMS Arrived at Destination)			
		37.9	39.7	38.9	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
Tarrant County**

CVD Risk Factors¹ in 2007

Diabetes			High Blood Cholesterol		
	Tarrant County	Texas		Tarrant County	Texas
Total	8.3%	10.4%	Total	36.4%	38.5%
Male	8.8%	9.9%	Male	39.5%	40.7%
Female	7.8%	10.8%	Female	33.2%	36.5%
White	8.5%	8.5%	White	39.3%	40.0%
African American	14.2%	12.9%	African American	27.8%	33.2%
Hispanic	6.4%	12.3%	Hispanic	37.7%	37.3%
Current Smoker			High Blood Pressure		
	Tarrant County	Texas		Tarrant County	Texas
Total	20.9%	19.3%	Total	25.6%	27.8%
Male	22.7%	21.9%	Male	28.4%	27.7%
Female	18.9%	16.9%	Female	22.6%	30.0%
White	21.8%	20.5%	White	28.6%	29.1%
African American	16.6%	21.4%	African American	36.8%	41.4%
Hispanic	21.4%	17.5%	Hispanic	13.9%	21.7%
Obesity (BMI>=30)			No Leisure Time Physical Activity		
	Tarrant County	Texas		Tarrant County	Texas
Total	27.5%	28.6%	Total	22.6%	28.3%
Male	27.9%	28.6%	Male	19.8%	25.5%
Female	26.9%	28.5%	Female	25.6%	31.0%
White	26.7%	25.7%	White	21.3%	23.5%
African American	46.9%	38.7%	African American	26.2%	33.7%
Hispanic	25.0%	32.7%	Hispanic	23.2%	34.3%
Poor Nutrition⁵			Youth Risk Factors (2007)		
	Tarrant County	Texas		U.S.	Texas
Total	75.0%	74.8%	Current cigarette use ²	20.0%	21.1%
Male	79.1%	77.8%	Obesity ³	13.0%	15.9%
Female	70.5%	71.9%	Met recommended levels of physical activity ⁴	34.7%	42.5%
White	74.2%	73.4%	Ate fruits and vegetables 5 or more times/day	21.4%	17.4%
African American	77.1%	75.7%			
Hispanic	72.7%	75.2%			

Recognition of CVD and Stroke Symptoms¹ (2005) Tarrant County

Heart Attack	% Of Respondents Recognizing Symptoms	Stroke	% Of Respondents Recognizing Symptoms
Pain or discomfort in jaw, neck or back	37.4	Sudden confusion or trouble speaking	76.0
Feeling weak, lightheaded, or faint	52.1	Sudden numbness or weakness of face, arms, legs (especially on one side)	89.8
Chest pain or discomfort	87.5	Sudden trouble seeing in one or both eyes	66.6
Sudden trouble seeing in one or both eyes	28.3	Sudden chest pain or discomfort	33.4
Pain or discomfort in the arms or shoulders	81.4	Sudden trouble walking, dizziness, or loss of balance	80.1
Shortness of breath	80.3	Severe headache with no known cause	51.3
Recognizes all heart attack symptoms	8.8	Recognizes all stroke symptoms	18.7

Would call 911 as a first response if **Heart Attack OR Stroke** is suspected - 84.3

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