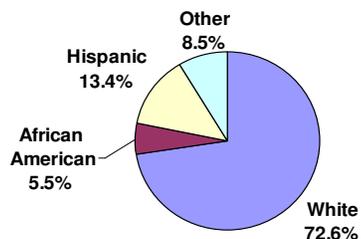


# Texas Cardiovascular Health & Wellness Program Texas Department of State Health Services



## Cardiovascular Health Facts 2001-2007 Collin County

### Demography of Collin County in 2007 (Estimated Texas Population)



#### Demographics

Age	Total	Males	Females	Percent
0-17	193,457	98,438	95,019	26.8
18-29	93,445	48,043	45,402	12.9
30-34	207,363	104,078	103,285	28.7
35-64	185,457	94,118	91,339	25.7
65+	42,970	18,990	23,980	5.9
<b>Total</b>	<b>722,692</b>	<b>363,667</b>	<b>359,025</b>	<b>100.0</b>

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

	CVD <sup>1</sup>		Heart Disease <sup>2</sup>		Stroke	
	Collin County	Texas	Collin County	Texas	Collin County	Texas
<b>Total</b>	5.7%	8.3%	5.1%	6.7%	1.8%	2.8%
<b>Male</b>	7.0%	8.6%	7.0%	7.3%	2.1%	2.6%
<b>Female</b>	4.5%	8.0%	3.4%	6.1%	1.6%	3.0%
<b>White</b>	7.0%	9.4%	6.1%	7.8%	2.6%	2.9%
<b>African American</b>	-	8.6%	-	5.7%	-	4.4%
<b>Hispanic</b>	-	6.4%	-	5.2%	-	2.1%

### CVD and Stroke Age-Adjusted Mortality Rates<sup>3</sup> (per 100,000) 2001-2005

	CVD		Heart Disease		Stroke	
	Collin County	Texas	Collin County	Texas	Collin County	Texas
<b>Total</b>	255.8	317.5	187.5	237.6	47.9	58.8
<b>Male</b>	265.1	356.0	204.4	279.2	41.5	55.1
<b>Female</b>	243.0	284.0	170.6	203.1	51.5	60.6
<b>White</b>	257.4	319.2	189.9	241.0	46.5	57.7
<b>African American</b>	442.2	451.1	294.4	327.6	124.5	87.8
<b>Hispanic</b>	228.2	259.8	166.1	194.6	48.7	48.1

### Hospital Discharge Data<sup>4</sup>

### Texas EMS/Trauma Registry Data<sup>5</sup> 2007 for Health Service Region 2/3

Collin County, 2007	Hospital Charges	Time (Min) for CVD		Time (Min) for Stroke	
		HSR 2/3	Texas	HSR 2/3	Texas
<b>Ischemic Heart Disease</b>	\$125,909,483	<b>Response Time = (Time Call Received - Time EMS Arrived on Scene)</b> 8.0      8.3      8.4      9.1			
<b>Hemorrhagic Stroke</b>	\$18,620,465	<b>Scene Time = (Time EMS Arrived on Scene - Time EMS Departed Scene)</b> 18.1      18.5      18.0      18.1			
<b>Ischemic Stroke</b>	\$28,176,518	<b>Transport Time = (Time EMS Departed Scene - Time EMS Arrived at Destination)</b> 15.5      14.5      14.0      14.3			
<b>Congestive Heart Failure</b>	\$51,362,488	<b>Delivery Time = (Time Call Received - Time EMS Arrived at Destination)</b> 37.9      39.7      38.9      40.2			

<sup>1</sup> 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.

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

<sup>3</sup> 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).

<sup>4</sup> 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).

<sup>5</sup> 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  
Collin County**

**CVD Risk Factors<sup>1</sup> in 2007**

<b>Diabetes</b>	<b>Collin County</b>	<b>Texas</b>	<b>High Blood Cholesterol</b>	<b>Collin County</b>	<b>Texas</b>
Total	6.9%	10.4%	Total	33.2%	38.5%
Male	8.2%	9.9%	Male	41.3%	40.7%
Female	5.7%	10.8%	Female	27.1%	36.5%
White	5.6%	8.5%	White	35.9%	40.0%
African American	-	12.9%	African American	-	33.2%
Hispanic	-	12.3%	Hispanic	-	37.3%
<b>Current Smoker</b>	<b>Collin County</b>	<b>Texas</b>	<b>High Blood Pressure</b>	<b>Collin County</b>	<b>Texas</b>
Total	12.6%	19.3%	Total	21.0%	27.8%
Male	14.3%	21.9%	Male	19.6%	27.7%
Female	11.2%	16.9%	Female	22.1%	30.0%
White	9.6%	20.5%	White	25.2%	29.1%
African American	-	21.4%	African American	-	41.4%
Hispanic	-	17.5%	Hispanic	-	21.7%
<b>Obesity (BMI&gt;=30)</b>	<b>Collin County</b>	<b>Texas</b>	<b>No Leisure Time Physical Activity</b>	<b>Collin County</b>	<b>Texas</b>
Total	15.7%	28.6%	Total	12.5%	28.3%
Male	16.0%	28.6%	Male	7.9%	25.5%
Female	15.4%	28.5%	Female	16.4%	31.0%
White	19.2%	25.7%	White	12.2%	23.5%
African American	-	38.7%	African American	-	33.7%
Hispanic	-	32.7%	Hispanic	-	34.3%
<b>Poor Nutrition<sup>5</sup></b>	<b>Collin County</b>	<b>Texas</b>	<b>Youth Risk Factors (2007)</b>	<b>U.S.</b>	<b>Texas</b>
Total	71.3%	74.8%	Current cigarette use <sup>2</sup>	20.0%	21.1%
Male	80.5%	77.8%	Obesity <sup>3</sup>	13.0%	15.9%
Female	63.3%	71.9%	Met recommended levels of physical activity <sup>4</sup>	34.7%	42.5%
White	71.7%	73.4%	Ate fruits and vegetables 5 or more times/day	21.4%	17.4%
African American	-	75.7%			
Hispanic	-	75.2%			

**Recognition of CVD and Stroke Symptoms<sup>1</sup> (2005) Collin County**

<b>Heart Attack</b>	<b>% Of Respondents Recognizing Symptoms</b>	<b>Stroke</b>	<b>% Of Respondents Recognizing Symptoms</b>
Pain or discomfort in jaw, neck or back	35.9	Sudden confusion or trouble speaking	83.4
Feeling weak, lightheaded, or faint	58.3	Sudden numbness or weakness of face, arms, legs (especially on one side)	97.3
Chest pain or discomfort	93.2	Sudden trouble seeing in one or both eyes	60.0
Sudden trouble seeing in one or both eyes	27.9	Sudden chest pain or discomfort	34.6
Pain or discomfort in the arms or shoulders	78.0	Sudden trouble walking, dizziness, or loss of balance	78.0
Shortness of breath	78.1	Severe headache with no known cause	42.5
Recognizes all heart attack symptoms	7.5	Recognizes all stroke symptoms	14.5

Would call 911 as a first response if **Heart Attack OR Stroke** is suspected - 92.9%

<sup>1</sup>2007 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

<sup>2</sup>Percentage 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=C1&cat=6&quest=Q80&loc=XX&year=2007>

<sup>3</sup>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>

<sup>4</sup>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>

<sup>5</sup>Ate fruits and vegetables less than 5 times/day <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).