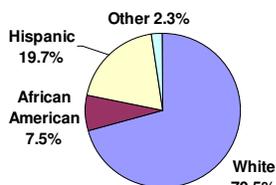


# Texas Cardiovascular Health & Wellness Program Texas Department of State Health Services



## Cardiovascular Health Facts 2001-2007 Abilene Metropolitan Statistical Area (MSA)

### Demography of Abilene MSA in 2007 (Estimated Texas Population)



#### Demographics

Age	Total	Males	Females	Percent
0-17	97,492	49,846	47,646	25.0
18-29	70,714	38,130	32,584	18.1
30-34	75,489	40,340	35,149	19.4
35-64	95,895	47,534	48,361	24.6
65+	50,303	21,276	29,027	12.9
<b>Total</b>	<b>389,893</b>	<b>197,126</b>	<b>192,767</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	
	Abilene MSA	Texas	Abilene MSA	Texas	Abilene MSA	Texas
<b>Total</b>	12.1%	8.3%	9.2%	6.7%	3.8%	2.8%
<b>Male</b>	15.1%	8.6%	11.4%	7.3%	4.8%	2.6%
<b>Female</b>	8.2%	8.0%	6.4%	6.1%	2.6%	3.0%
<b>White</b>	16.2%	9.4%	12.2%	7.8%	5.4%	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	
	Abilene MSA	Texas	Abilene MSA	Texas	Abilene MSA	Texas
<b>Total</b>	366.1	317.5	258.7	237.6	76.4	58.8
<b>Male</b>	411.9	356.0	296.2	279.2	75.5	55.1
<b>Female</b>	329.3	284.0	228.6	203.1	76.0	60.6
<b>White</b>	361.4	319.2	260.0	241.0	73.3	57.7
<b>African American</b>	498.3	451.1	328.2	327.6	95.3	87.8
<b>Hispanic</b>	358.0	259.8	239.1	194.6	88.2	48.1

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

### Texas EMS/Trauma Registry Data<sup>5</sup> 2007 (Abilene MSA)

Abilene MSA, 2007	Hospital Charges	Time (Min) for CVD		Time (Min) for Stroke	
		Abilene MSA	Texas	Abilene MSA	Texas
<b>Ischemic Heart Disease</b>	\$99,076,566	<b>Response Time = (Time Call Received - Time EMS Arrived on Scene)</b>			
		11.4	8.3	16.0	9.1
<b>Hemorrhagic Stroke</b>	\$5,399,637	<b>Scene Time = (Time EMS Arrived on Scene - Time EMS Departed Scene)</b>			
		18.2	18.5	19.7	18.1
<b>Ischemic Stroke</b>	\$19,800,012	<b>Transport Time = (Time EMS Departed Scene - Time EMS Arrived at Destination).</b>			
		14.0	14.5	17.0	14.3
<b>Congestive Heart Failure</b>	\$26,587,739	<b>Delivery Time = (Time Call Received - Time EMS Arrived at Destination)</b>			
		44.7	39.7	55.5	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  
Abilene Metropolitan Statistical Area (MSA)**

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

<b>Diabetes</b>			<b>High Blood Cholesterol</b>		
	<b>Abilene MSA</b>	<b>Texas</b>		<b>Abilene MSA</b>	<b>Texas</b>
Total	6.8%	10.4%	Total	40.9%	38.5%
Male	6.9%	9.9%	Male	44.7%	40.7%
Female	6.7%	10.8%	Female	36.8%	36.5%
White	4.5%	8.5%	White	38.8%	40.0%
African American	-	12.9%	African American	-	33.2%
Hispanic	-	12.3%	Hispanic	-	37.3%
<b>Current Smoker</b>			<b>High Blood Pressure</b>		
	<b>Abilene MSA</b>	<b>Texas</b>		<b>Abilene MSA</b>	<b>Texas</b>
Total	23.4%	19.3%	Total	37.3%	27.8%
Male	27.6%	21.9%	Male	38.3%	27.7%
Female	18.2%	16.9%	Female	36.0%	30.0%
White	22.3%	20.5%	White	34.9%	29.1%
African American	-	21.4%	African American	-	41.4%
Hispanic	-	17.5%	Hispanic	-	21.7%
<b>Obesity (BMI&gt;=30)</b>			<b>No Leisure Time Physical Activity</b>		
	<b>Abilene MSA</b>	<b>Texas</b>		<b>Abilene MSA</b>	<b>Texas</b>
Total	28.9%	28.6%	Total	28.0%	28.3%
Male	35.2%	28.6%	Male	23.7%	25.5%
Female	21.1%	28.5%	Female	33.5%	31.0%
White	27.4%	25.7%	White	30.9%	23.5%
African American	-	38.7%	African American	-	33.7%
Hispanic	-	32.7%	Hispanic	-	34.3%
<b>Poor Nutrition<sup>5</sup></b>			<b>Youth Risk Factors (2007)</b>		
	<b>Abilene MSA</b>	<b>Texas</b>		<b>U.S.</b>	<b>Texas</b>
Total	78.1%	74.8%	Current cigarette use <sup>2</sup>	20.0%	21.1%
Male	82.3%	77.8%	Obesity <sup>3</sup>	13.0%	15.9%
Female	72.6%	71.9%	Met recommended levels of physical activity <sup>4</sup>	34.7%	42.5%
White	76.6%	73.4%	Ate fruits and vegetables 5 or more times/day <sup>5</sup>	21.4%	17.4%
African American	-	75.7%			
Hispanic	-	75.2%			

**Recognition of CVD and Stroke Symptoms<sup>1</sup> (2005) for Public Health Service Region 2**

<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	44.3	Sudden confusion or trouble speaking	73.4
Feeling weak, lightheaded, or faint	50.2	Sudden numbness or weakness of face, arms, legs (especially on one side)	86.0
Chest pain or discomfort	83.1	Sudden trouble seeing in one or both eyes	63.4
Sudden trouble seeing in one or both eyes	27.7	Sudden chest pain or discomfort	35.9
Pain or discomfort in the arms or shoulders	82.7	Sudden trouble walking, dizziness, or loss of balance	76.5
Shortness of breath	75.5	Severe headache with no known cause	54.7
Recognizes all heart attack symptoms	11.6	Recognizes all stroke symptoms	20.8

Would call 911 as a first response if **Heart Attack OR Stroke** is suspected - 78.6

<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=CI&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=CI&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=CI&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=CI&cat=6&quest=Q80&loc=XX&year=2007>

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