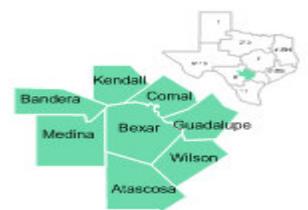
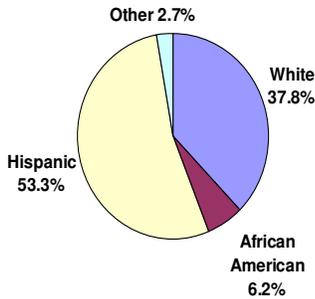


Texas Cardiovascular Health & Wellness Program Texas Department of State Health Services



Cardiovascular Health Facts 2001-2007 San Antonio Metropolitan Statistical Area (MSA)

Demography of San Antonio MSA in 2007 (Estimated Texas Population)



Demographics				
Age	Total	Males	Females	Percent
0-17	515,269	263,217	252,052	26.6
18-29	356,395	182,584	173,811	18.4
30-34	400,034	198,243	201,791	20.7
35-64	456,132	219,241	236,891	23.6
65+	207,040	88,061	118,979	10.7
Total	1,934,870	951,346	983,524	100.0

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

	CVD ¹		Heart Disease ²		Stroke	
	San Antonio MSA	Texas	San Antonio MSA	Texas	San Antonio MSA	Texas
Total	8.2%	8.3%	6.6%	6.7%	3.1%	2.8%
Male	8.9%	8.6%	8.1%	7.3%	2.7%	2.6%
Female	7.4%	8.0%	5.1%	6.1%	3.6%	3.0%
White	8.9%	9.4%	7.2%	7.8%	3.4%	2.9%
African American	12.8%	8.6%	8.4%	5.7%	4.4%	4.4%
Hispanic	6.5%	6.4%	5.5%	5.2%	2.8%	2.1%

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

	CVD		Heart Disease		Stroke	
	San Antonio MSA	Texas	San Antonio MSA	Texas	San Antonio MSA	Texas
Total	301.0	257.5	225.7	237.6	56.7	58.8
Male	344.9	282.3	269.3	279.2	56.4	55.1
Female	265.6	234.7	191.7	203.1	56.2	60.6
White	295.2	253.4	223.3	241.0	52.5	57.7
African American	465.3	399.5	338.9	327.6	100.0	87.8
Hispanic	291.3	222.3	218.0	194.6	56.8	48.1

Hospital Discharge Data⁴

Texas EMS/Trauma Registry Data⁵ 2007 (San AntonioMSA)

San Antonio MSA, 2007	Hospital Charges	Time (Min) for CVD		Time (Min) for Stroke	
		San Antonio	Texas	San Antonio	Texas
Ischemic Heart Disease	\$498,852,983	Response Time = (Time Call Received - Time EMS Arrived on Scene) 8.6 8.3 8.5 9.1			
Hemorrhagic Stroke	\$34,882,754	Scene Time = (Time EMS Arrived on Scene - Time EMS Departed Scene) 25.4 18.5 22.3 18.1			
Ischemic Stroke	\$87,314,429	Transport Time = (Time EMS Departed Scene - Time EMS Arrived at Destination) 10.7 14.5 11.3 14.3			
Congestive Heart Failure	\$189,315,666	Delivery Time = (Time Call Received - Time EMS Arrived at Destination) 44.8 39.7 42.1 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 San Antonio Metropolitan Statistical Area (MSA)

CVD Risk Factors¹ in 2007

Diabetes			High Blood Cholesterol		
	San Antonio MSA	Texas		San Antonio MSA	Texas
Total	10.2%	10.4%	Total	38.4%	38.5%
Male	9.9%	9.9%	Male	40.6%	40.7%
Female	10.5%	10.8%	Female	36.4%	36.5%
White	7.1%	8.5%	White	39.1%	40.0%
African American	11.8%	12.9%	African American	22.8%	33.2%
Hispanic	12.8%	12.3%	Hispanic	41.6%	37.3%
Current Smoker			High Blood Pressure		
	San Antonio MSA	Texas		San Antonio MSA	Texas
Total	18.2%	19.3%	Total	24.1%	27.8%
Male	21.9%	21.9%	Male	27.0%	27.7%
Female	14.5%	16.9%	Female	20.9%	30.0%
White	15.5%	20.5%	White	23.2%	29.1%
African American	28.3%	21.4%	African American	50.2%	41.4%
Hispanic	19.9%	17.5%	Hispanic	17.9%	21.7%
Obesity (BMI ≥ 30)			No Leisure Time Physical Activity		
	San Antonio MSA	Texas		San Antonio MSA	Texas
Total	29.7%	28.6%	Total	24.5%	28.3%
Male	31.6%	28.6%	Male	20.4%	25.5%
Female	27.7%	28.5%	Female	28.5%	31.0%
White	22.6%	25.7%	White	20.8%	23.5%
African American	37.6%	38.7%	African American	33.4%	33.7%
Hispanic	35.6%	32.7%	Hispanic	27.5%	34.3%
Poor Nutrition ⁵			Youth Risk Factors (2007)		
	San Antonio MSA	Texas		U.S.	Texas
Total	76.9%	74.8%	Current cigarette use ²	20.0%	21.1%
Male	79.3%	77.8%	Obesity ³	13.0%	15.9%
Female	74.4%	71.9%	Met recommended levels of physical activity ⁴	34.7%	42.5%
White	75.4%	73.4%	Ate fruits and vegetables 5 or more times/day ⁵	21.4%	17.4%
African American	73.2%	75.7%			
Hispanic	79.0%	75.2%			

Recognition of CVD and Stroke Symptoms¹ (2005) San Antonio MSA

Heart Attack		Stroke	
	% Of Respondents Recognizing Symptoms		% Of Respondents Recognizing Symptoms
Pain or discomfort in jaw, neck or back	39.6	Sudden confusion or trouble speaking	80.5
Feeling weak, lightheaded, or faint	63.6	Sudden numbness or weakness of face, arms, legs (especially on one side)	87.4
Chest pain or discomfort	92.6	Sudden trouble seeing in one or both eyes	64.6
Sudden trouble seeing in one or both eyes	34.6	Sudden chest pain or discomfort	41.2
Pain or discomfort in the arms or shoulders	82.6	Sudden trouble walking, dizziness, or loss of balance	77.7
Shortness of breath	82.9	Severe headache with no known cause	60.9
Recognizes all heart attack symptoms	10.5	Recognizes all stroke symptoms	20.3

Would call 911 as a first response if **Heart Attack OR Stroke** is suspected - 83.4

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 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=C1&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=C1&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=C1&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=C1&cat=6&quest=Q80&loc=XX&year=2007>

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