

# Cardiovascular Disease

## PREVIOUSLY HAD A HEART ATTACK

**Definition:** Respondents who answered “yes” to the question: “Has a doctor, nurse, or other health professional ever told you that you had a heart attack, also called a myocardial infarction?”

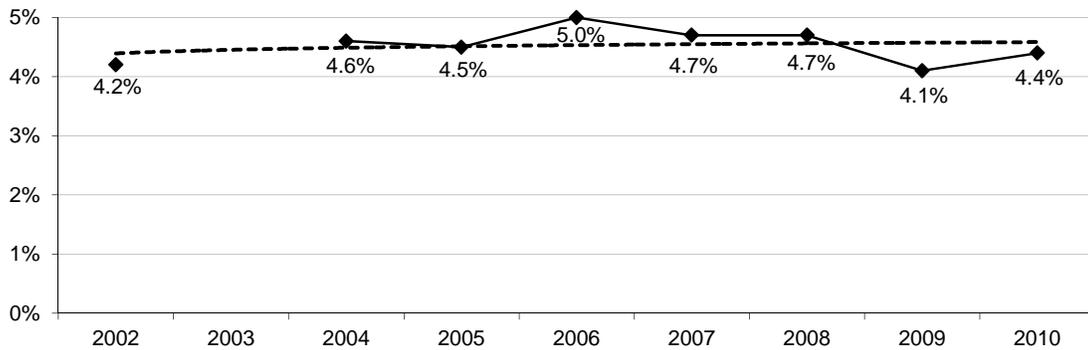
### Prevalence of previously had a heart attack

- South Dakota 5%
- Nationwide median 5%

### Healthy People 2020 Objective

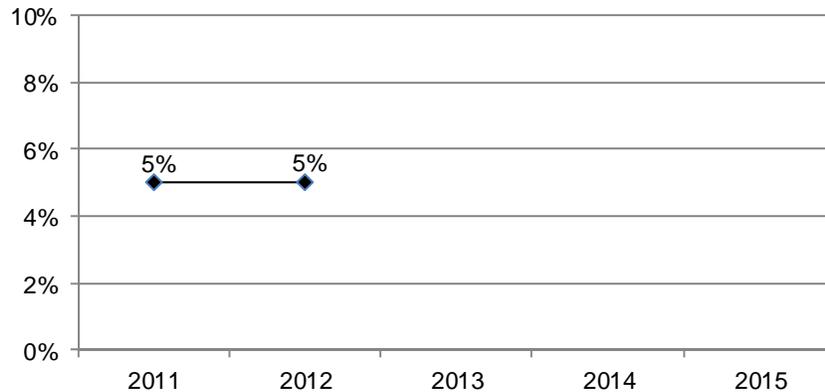
There was no comparable stated Healthy People 2020 Objective for previously had a heart attack.

**Figure 72**  
**Percent of Respondents Who Previously Had a Heart Attack, 2002, and 2004-2010**



Source: The Behavioral Risk Factor Surveillance System, South Dakota Department of Health, 2002, and 2004-2010

**Figure 73**  
**Percent of Respondents Who Previously Had a Heart Attack, 2011-2012**



Note: Beginning in 2011, the CDC began using a different methodology to weight the data, therefore current data estimates cannot be compared to previous years.

Source: The Behavioral Risk Factor Surveillance System, South Dakota Department of Health, 2011-2012

**Table 43**  
**Respondents Who Previously Had a Heart Attack, 2011-2012**

		2011-2012	2011	2012
<b>Total</b>		<b>5%</b>	<b>5%</b>	<b>5%</b>
<b>Gender</b>	Male	7%	7%	7%
	Female	3%	3%	2%
<b>Age</b>	18-44	1%	1%	1%
	45-64	5%	5%	4%
	65+	15%	15%	14%
<b>Race</b>	White	5%	5%	5%
	American Indian	6%	*	*
<b>Ethnicity</b>	Hispanic	3%	*	*
	Non-Hispanic	5%	5%	5%
<b>Household Income</b>	Less than \$25,000	8%	8%	7%
	\$25,000-\$49,999	5%	5%	5%
	\$50,000+	3%	3%	2%
<b>Education</b>	High School, G.E.D., or Less	7%	8%	6%
	Some Post-High School	4%	3%	4%
	College Graduate	3%	3%	3%
<b>Employment Status</b>	Employed for Wages	2%	2%	2%
	Self-employed	4%	*	*
	Unemployed	4%	*	*
	Homemaker	1%	*	*
	Student	*	*	*
	Retired	14%	16%	12%
	Unable to Work	15%	*	*
<b>Marital Status</b>	Married/Unmarried Couple	5%	5%	4%
	Divorced/Separated	7%	*	*
	Widowed	12%	*	*
	Never Married	1%	*	*
<b>Home Ownership Status</b>	Own Home	5%	5%	5%
	Rent Home	4%	5%	4%
<b>Children Status</b>	Children in Household (Ages 18-44)	1%	*	*
	No Children in Household (Ages 18-44)	1%	*	*
<b>Phone Status</b>	Landline	6%	6%	6%
	Cell Phone	3%	*	*
<b>Pregnancy Status</b>	Pregnant (Ages 18-44)	0%	*	*
	Not Pregnant (Ages 18-44)	1%	*	*

Note: \*Results based on small sample sizes have been suppressed.

Source: The Behavioral Risk Factor Surveillance System, South Dakota Department of Health, 2011-2012

### **National Statistics**

The national median for respondents who previously had a heart attack was 4.5 percent, as shown in Figure 74 on the next page. South Dakota had 4.6 percent of respondents who have previously had a heart attack. Utah had the lowest percent of respondents who previously had a heart attack with 2.7 percent, while West Virginia had the highest with 7.4 percent.

**Figure 74**  
**Nationally, Respondents Who Previously Had a Heart Attack, 2012**



Source: The Behavioral Risk Factor Surveillance System, South Dakota Department of Health, 2012

**Further Analysis**

The following data show the percent of those who previously had a heart attack for various health behaviors and conditions. For example, 23 percent of respondents who have kidney disease have had a heart attack, while 4 percent of respondents who do not have kidney disease have had a heart attack.

<b>Health Behavior or Condition</b>	<b>% Previous Heart Attack</b>
Underweight (BMI < 18.5)	4%
Recommended (BMI = 18.5-24.9)	3%
Overweight (BMI = 25.0-29.9)	5%
Obese - Class I (BMI = 30.0-34.9)	7%
Obese - Classes II & III (BMI = 35.0+)	6%
Leisure Time Exercise	4%
No Leisure Time Exercise	8%
Current Smoker	4%
Former Smoker	9%
Never Smoked	3%
Smokeless Tobacco	2%
No Smokeless Tobacco	5%
Diabetes	17%
No Diabetes	4%
High Blood Pressure	11%
No High Blood Pressure	2%

**Table 44 (continued)**  
**Previously Had a Heart Attack for Selected Health Behaviors and**  
**Conditions, 2011-2012**

<b>Health Behavior or Condition</b>	<b>% Previous Heart Attack</b>
Health Insurance (18-64)	2%
No Health Insurance (18-64)	2%
Employer Based Coverage (18-64)	2%
Private Health Plan (18-64)	1%
Medicare (18-64)	12%
Medicaid or Medical Assistance (18-64)	2%
The Military, CHAMPUS, TriCare, or the VA (18-64)	6%
The Indian Health Service (18-64)	3%
Breast Exam Within Past Two Years	2%
No Breast Exam Within Past Two Years	4%
Mammogram Within Past Two Years (40+)	3%
No Mammogram Within Past Two Years (40+)	4%
Pap Smear Within Past Three Years	1%
No Pap Smear Within Past Three Years	3%
Blood Stool Test Within Past Two Years (50+)	10%
No Blood Stool Test Within Past Two Years (50+)	9%
Ever Had a Sigmoidoscopy or Colonoscopy (50+)	9%
Never Had a Sigmoidoscopy or Colonoscopy (50+)	8%
PSA Test Within the Past Two Years (40+)	14%
No PSA Test Within the Past Two Years (40+)	9%
Flu Shot (65+)	16%
No Flu Shot (65+)	11%
Pneumonia Shot (65+)	18%
No Pneumonia Shot (65+)	10%
Have Angina or Coronary Heart Disease	50%
Do Not Have Angina or Coronary Heart Disease	3%
Previously Had a Stroke	26%
Never Had a Stroke	4%
Cancer	12%
No Cancer	4%
Skin Cancer	13%
No Skin Cancer	4%
Current Asthma	7%
Former Asthma	7%
Never Had Asthma	5%
Arthritis	11%
No Arthritis	3%
COPD	17%
No COPD	4%
Depression	7%
No Depression	4%
Kidney Disease	23%
No Kidney Disease	4%
Vision Impairment	10%
No Vision Impairment	4%
Been to the Dentist in the Past Year	3%
Haven't Been to the Dentist in the Past Year	7%
Always/Almost Always Wear Seat Belt	4%
Sometimes/Seldom/Never Wear Seat Belt	7%
Drank Alcohol in Past 30 Days	3%
Did Not Drink Alcohol in Past 30 Days	7%
Binge Drinker	2%
Not a Binge Drinker	6%
Heavy Drinker	4%
Not a Heavy Drinker	5%
< 3 Sweetened Beverages per Day	5%
3+ Sweetened Beverages per Day	4%

**Table 44 (continued)  
Previously Had a Heart Attack for Selected Health Behaviors and  
Conditions, 2011-2012**

<b>Health Behavior or Condition</b>	<b>% Previous Heart Attack</b>
Good/Very Good/Excellent Health Status	3%
Fair/Poor Health Status	15%
Physical Health Not Good for 0-29 Days of the Past 30	4%
Physical Health Not Good for 30 Days of the Past 30	16%
Mental Health Not Good for 0-19 Days of the Past 30	5%
Mental Health Not Good for 20-30 Days of the Past 30	6%
Usual Activities Unattainable for 0-9 Days of the Past 30	4%
Usual Activities Unattainable for 10-30 Days of the Past 30	11%
Physical, Mental, or Emotional Problems	11%
No Physical, Mental, or Emotional Problems	3%
Disability with Special Equipment Needed	15%
No Disability with Special Equipment Needed	4%
Heard of "Healthy South Dakota" Program	4%
Not Heard of "Healthy South Dakota" Program	5%
Injured in a Fall in Past 12 Months (45+)	11%
Not Injured in a Fall in Past 12 Months (45+)	7%
Been Tested for HIV (18-64)	4%
Never Been Tested for HIV (18-64)	5%

Source: The Behavioral Risk Factor Surveillance System, South Dakota Department of Health, 2011-2012

## ANGINA OR CORONARY HEART DISEASE

**Definition:** Respondents who answered “yes” to the question: “Has a doctor, nurse, or other health professional ever told you that you have angina or coronary heart disease?”

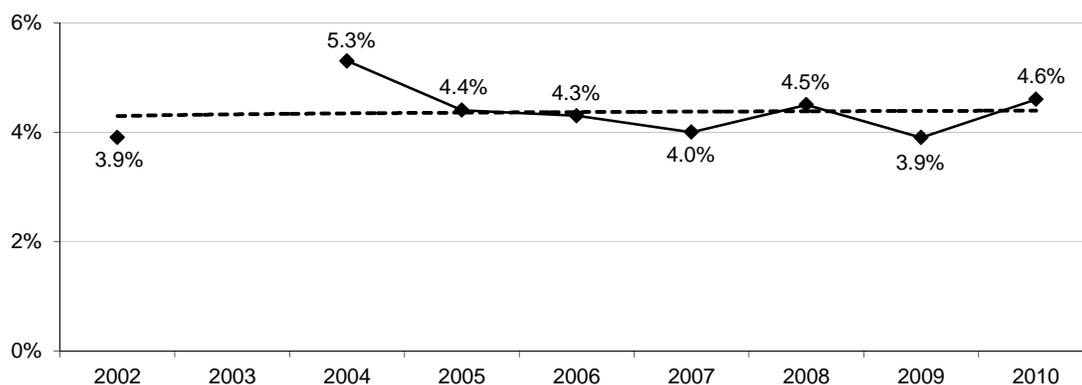
### Prevalence of angina or coronary heart disease

- South Dakota 4%
- Nationwide median 4%

### Healthy People 2020 Objective

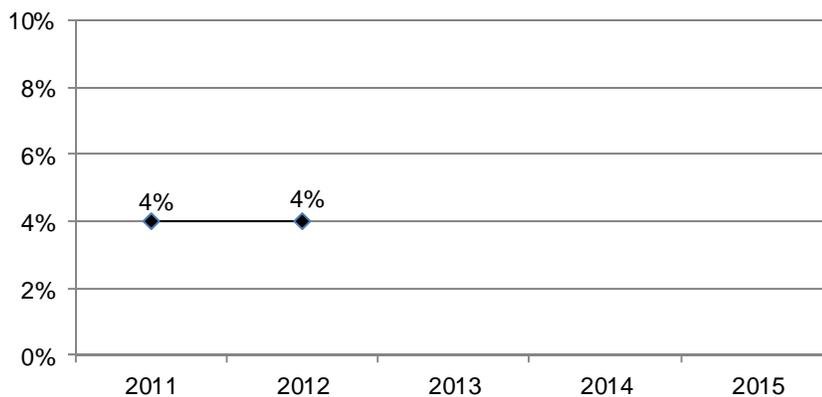
There was no comparable Healthy People 2020 Objective for having angina or coronary heart disease.

**Figure 75**  
**Percent of Respondents Who Have Angina or Coronary Heart Disease, 2002, and 2004-2010**



Source: The Behavioral Risk Factor Surveillance System, South Dakota Department of Health, 2002, and 2004-2010

**Figure 76**  
**Percent of Respondents Who Have Angina or Coronary Heart Disease, 2011-2012**



Note: Beginning in 2011, the CDC began using a different methodology to weight the data, therefore current data estimates cannot be compared to previous years.

Source: The Behavioral Risk Factor Surveillance System, South Dakota Department of Health, 2011-2012

<b>Table 45</b>				
<b>Respondents Who Have Angina or Coronary Artery Disease, 2011-2012</b>				
		<b>2011-2012</b>	<b>2011</b>	<b>2012</b>
<b>Total</b>		<b>4%</b>	<b>4%</b>	<b>4%</b>
<b>Gender</b>	Male	5%	5%	5%
	Female	3%	3%	3%
<b>Age</b>	18-44	1%	1%	1%
	45-64	4%	5%	4%
	65+	12%	12%	12%
<b>Race</b>	White	4%	4%	4%
	American Indian	4%	*	*
<b>Ethnicity</b>	Hispanic	2%	*	*
	Non-Hispanic	4%	4%	4%
<b>Household Income</b>	Less than \$25,000	6%	6%	6%
	\$25,000-\$49,999	5%	5%	5%
	\$50,000+	3%	3%	2%
<b>Education</b>	High School, G.E.D., or Less	5%	6%	5%
	Some Post-High School	3%	3%	3%
	College Graduate	3%	3%	4%
<b>Employment Status</b>	Employed for Wages	2%	2%	2%
	Self-employed	3%	*	*
	Unemployed	1%	*	*
	Homemaker	1%	*	*
	Student	0.3%	*	*
	Retired	12%	12%	12%
	Unable to Work	14%	*	*
<b>Marital Status</b>	Married/Unmarried Couple	4%	4%	4%
	Divorced/Separated	6%	*	*
	Widowed	12%	*	*
	Never Married	1%	*	*
<b>Home Ownership Status</b>	Own Home	4%	4%	4%
	Rent Home	4%	4%	3%
<b>Children Status</b>	Children in Household (Ages 18-44)	1%	*	*
	No Children in Household (Ages 18-44)	1%	*	*
<b>Phone Status</b>	Landline	5%	5%	5%
	Cell Phone	2%	*	*
<b>Pregnancy Status</b>	Pregnant (Ages 18-44)	0%	*	*
	Not Pregnant (Ages 18-44)	1%	*	*

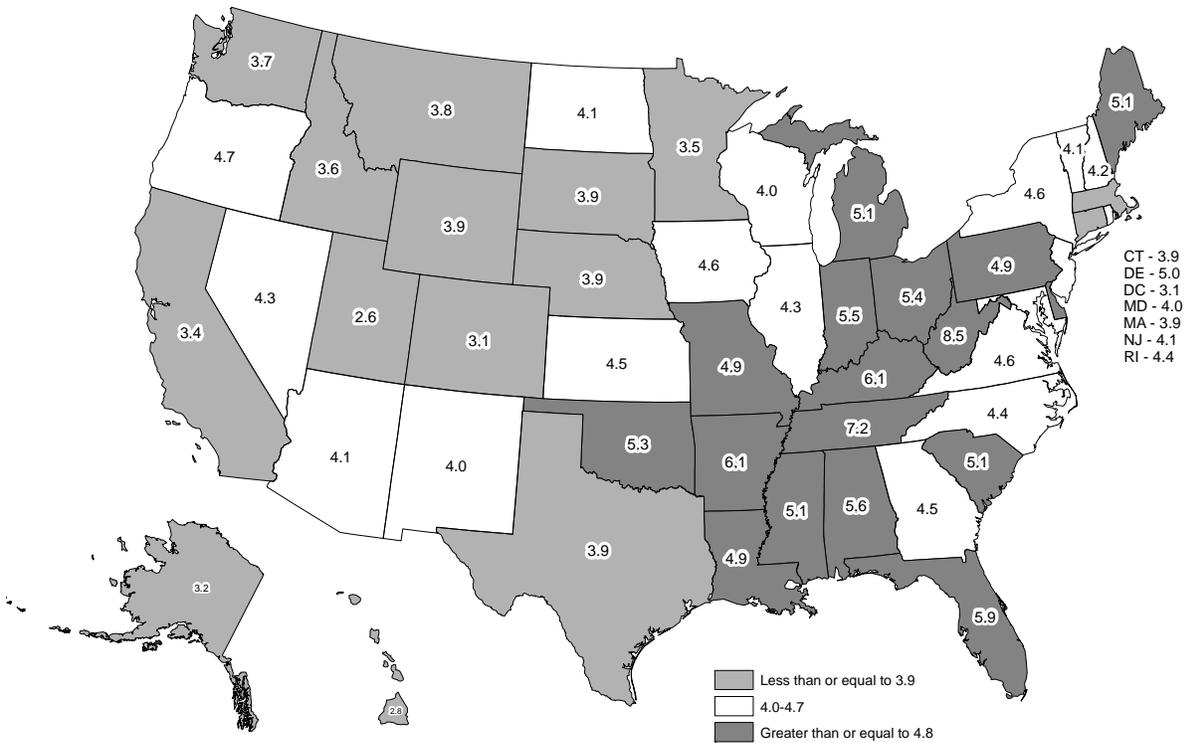
Note: \*Results based on small sample sizes have been suppressed.

Source: The Behavioral Risk Factor Surveillance System, South Dakota Department of Health, 2011-2012

## **National Statistics**

The national median for respondents who have angina or coronary heart disease was 4.3 percent, as shown in Figure 77 on the next page. South Dakota had 3.9 percent of respondents who have angina or coronary heart disease. Utah had the lowest percent of respondents who have angina or coronary heart disease with 2.6 percent, while West Virginia had the highest with 8.5 percent.

**Figure 77**  
**Nationally, Respondents Who Have Angina or Coronary Heart Disease, 2012**



Source: The Behavioral Risk Factor Surveillance System, South Dakota Department of Health, 2012

**Further Analysis**

The following data show the percent of those who have angina or coronary heart disease for various health behaviors and conditions. For example, 8 percent of respondents who stated they were a former smoker have angina or coronary heart disease, while 3 percent of respondents who stated they never smoked have angina or coronary heart disease.

<b>Health Behavior or Condition</b>	<b>% with Heart Disease</b>
Underweight (BMI < 18.5)	3%
Recommended (BMI = 18.5-24.9)	3%
Overweight (BMI = 25.0-29.9)	5%
Obese - Class I (BMI = 30.0-34.9)	5%
Obese - Classes II & III (BMI = 35.0+)	6%
Leisure Time Exercise	3%
No Leisure Time Exercise	7%
Current Smoker	4%
Former Smoker	8%
Never Smoked	3%
Smokeless Tobacco	2%
No Smokeless Tobacco	4%
Diabetes	14%
No Diabetes	3%
High Blood Pressure	10%
No High Blood Pressure	2%
Health Insurance (18-64)	2%
No Health Insurance (18-64)	2%

**Table 46 (continued)  
Have Angina or Coronary Heart Disease for Selected Health  
Behaviors and Conditions, 2011-2012**

<b>Health Behavior or Condition</b>	<b>% with Heart Disease</b>
Employer Based Coverage (18-64)	2%
Private Health Plan (18-64)	1%
Medicare (18-64)	11%
Medicaid or Medical Assistance (18-64)	2%
The Military, CHAMPUS, TriCare, or the VA (18-64)	4%
The Indian Health Service (18-64)	1%
Breast Exam Within Past Two Years	2%
No Breast Exam Within Past Two Years	5%
Mammogram Within Past Two Years (40+)	4%
No Mammogram Within Past Two Years (40+)	4%
Pap Smear Within Past Three Years	1%
No Pap Smear Within Past Three Years	3%
Blood Stool Test Within Past Two Years (50+)	11%
No Blood Stool Test Within Past Two Years (50+)	7%
Ever Had a Sigmoidoscopy or Colonoscopy (50+)	10%
Never Had a Sigmoidoscopy or Colonoscopy (50+)	4%
PSA Test Within the Past Two Years (40+)	12%
No PSA Test Within the Past Two Years (40+)	6%
Flu Shot (65+)	13%
No Flu Shot (65+)	9%
Pneumonia Shot (65+)	14%
No Pneumonia Shot (65+)	8%
Previously Had Heart Attack	45%
Never Had Heart Attack	2%
Previously Had a Stroke	18%
Never Had a Stroke	4%
Cancer	11%
No Cancer	3%
Skin Cancer	11%
No Skin Cancer	4%
Current Asthma	6%
Former Asthma	3%
Never Had Asthma	4%
Arthritis	11%
No Arthritis	2%
COPD	14%
No COPD	4%
Depression	6%
No Depression	4%
Kidney Disease	20%
No Kidney Disease	4%
Vision Impairment	9%
No Vision Impairment	3%
Been to the Dentist in the Past Year	3%
Haven't Been to the Dentist in the Past Year	5%
Always/Almost Always Wear Seat Belt	4%
Sometimes/Seldom/Never Wear Seat Belt	4%
Drank Alcohol in Past 30 Days	3%
Did Not Drink Alcohol in Past 30 Days	6%
Binge Drinker	2%
Not a Binge Drinker	5%
Heavy Drinker	3%
Not a Heavy Drinker	4%
< 3 Sweetened Beverages per Day	4%
3+ Sweetened Beverages per Day	3%

<b>Table 46 (continued)</b>	
<b>Have Angina or Coronary Heart Disease for Selected Health Behaviors and Conditions, 2011-2012</b>	
<b>Health Behavior or Condition</b>	<b>% with Heart Disease</b>
Good/Very Good/Excellent Health Status	3%
Fair/Poor Health Status	14%
Physical Health Not Good for 0-29 Days of the Past 30	3%
Physical Health Not Good for 30 Days of the Past 30	18%
Mental Health Not Good for 0-19 Days of the Past 30	4%
Mental Health Not Good for 20-30 Days of the Past 30	7%
Usual Activities Unattainable for 0-9 Days of the Past 30	4%
Usual Activities Unattainable for 10-30 Days of the Past 30	11%
Physical, Mental, or Emotional Problems	11%
No Physical, Mental, or Emotional Problems	2%
Disability with Special Equipment Needed	16%
No Disability with Special Equipment Needed	3%
Heard of "Healthy South Dakota" Program	4%
Not Heard of "Healthy South Dakota" Program	4%
Injured in a Fall in Past 12 Months (45+)	6%
Not Injured in a Fall in Past 12 Months (45+)	7%
Been Tested for HIV (18-64)	3%
Never Been Tested for HIV (18-64)	4%

Source: The Behavioral Risk Factor Surveillance System, South Dakota Department of Health, 2011-2012

## PREVIOUSLY HAD A STROKE

**Definition:** Respondents who answered “yes” to the question: “Has a doctor, nurse, or other health professional ever told you that you had a stroke?”

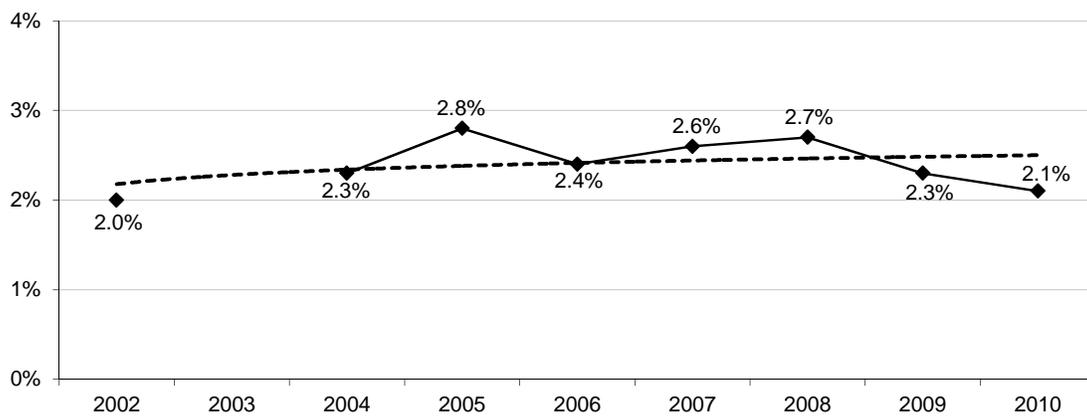
### Prevalence of previously had a stroke

- South Dakota 3%
- Nationwide median 3%

### Healthy People 2020 Objective

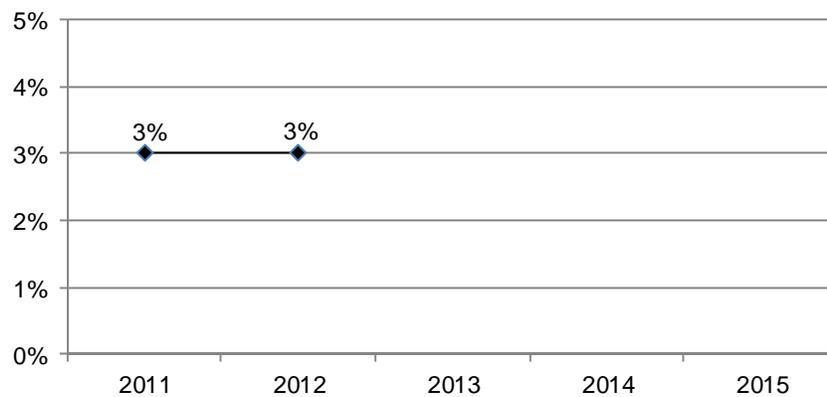
There was no comparable Healthy People 2020 Objective for previously had a stroke.

**Figure 78**  
**Percent of Respondents Who Have Previously Had a Stroke, 2002, and 2004-2010**



Source: The Behavioral Risk Factor Surveillance System, South Dakota Department of Health, 2002, and 2004-2010

**Figure 79**  
**Percent of Respondents Who Have Previously Had a Stroke, 2011-2012**



Note: Beginning in 2011, the CDC began using a different methodology to weight the data, therefore current data estimates cannot be compared to previous years.

Source: The Behavioral Risk Factor Surveillance System, South Dakota Department of Health, 2011-2012

<b>Table 47</b>				
<b>Respondents Who Previously Had a Stroke, 2011-2012</b>				
		<b>2011-2012</b>	<b>2011</b>	<b>2012</b>
<b>Total</b>		<b>3%</b>	<b>3%</b>	<b>3%</b>
<b>Gender</b>	Male	2%	2%	2%
	Female	3%	3%	3%
<b>Age</b>	18-44	1%	1%	1%
	45-64	2%	2%	2%
	65+	8%	8%	8%
<b>Race</b>	White	3%	3%	3%
	American Indian	3%	*	*
<b>Ethnicity</b>	Hispanic	2%	*	*
	Non-Hispanic	3%	3%	3%
<b>Household Income</b>	Less than \$25,000	6%	6%	6%
	\$25,000-\$49,999	2%	2%	2%
	\$50,000+	1%	1%	1%
<b>Education</b>	High School, G.E.D., or Less	4%	3%	4%
	Some Post-High School	2%	3%	2%
	College Graduate	1%	1%	1%
<b>Employment Status</b>	Employed for Wages	1%	1%	1%
	Self-employed	1%	*	*
	Unemployed	1%	*	*
	Homemaker	3%	*	*
	Student	0.5%	*	*
	Retired	7%	7%	7%
	Unable to Work	13%	*	*
<b>Marital Status</b>	Married/Unmarried Couple	2%	2%	2%
	Divorced/Separated	5%	*	*
	Widowed	9%	*	*
	Never Married	1%	*	*
<b>Home Ownership Status</b>	Own Home	2%	2%	3%
	Rent Home	4%	5%	3%
<b>Children Status</b>	Children in Household (Ages 18-44)	1%	*	*
	No Children in Household (Ages 18-44)	1%	*	*
<b>Phone Status</b>	Landline	3%	3%	3%
	Cell Phone	1%	*	*
<b>Pregnancy Status</b>	Pregnant (Ages 18-44)	0%	*	*
	Not Pregnant (Ages 18-44)	1%	*	*

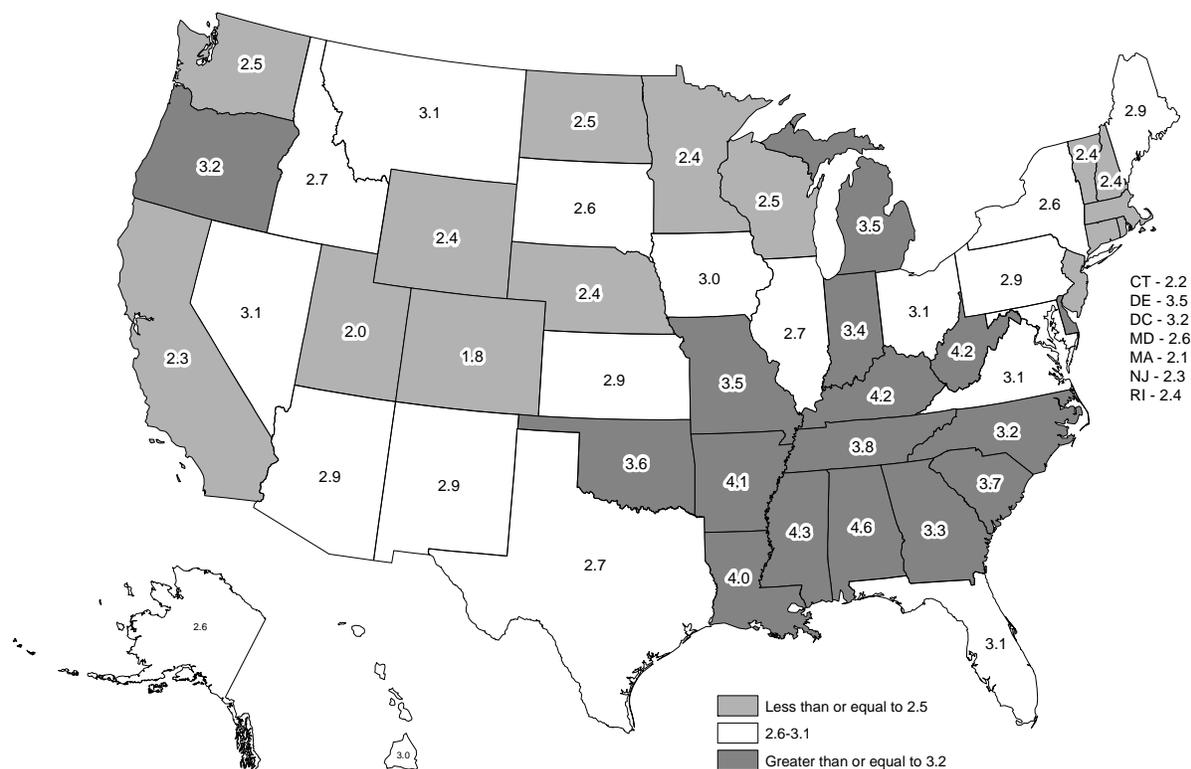
Note: \*Results based on small sample sizes have been suppressed.

Source: The Behavioral Risk Factor Surveillance System, South Dakota Department of Health, 2011-2012

### **National Statistics**

The national median for respondents who previously had a stroke was 2.9 percent, as shown in Figure 80 on the next page. South Dakota had 2.6 percent of respondents who previously had a stroke. Colorado had the lowest percent of respondents who previously had a stroke with 1.8 percent, while Alabama had the highest with 4.6 percent.

**Figure 80**  
**Nationally, Respondents Who Previously Had a Stroke, 2012**



Source: The Behavioral Risk Factor Surveillance System, South Dakota Department of Health, 2012

**Further Analysis**

The following data show the percent of those who previously had a stroke for various health behaviors and conditions. For example, 8 percent of respondents who stated they have diabetes previously had a stroke, while 2 percent of respondents who stated they do not have diabetes previously had a stroke.

<b>Health Behavior or Condition</b>	<b>% Had Stroke</b>
Underweight (BMI < 18.5)	5%
Recommended (BMI = 18.5-24.9)	2%
Overweight (BMI = 25.0-29.9)	2%
Obese - Class I (BMI = 30.0-34.9)	3%
Obese - Classes II & III (BMI = 35.0+)	3%
Leisure Time Exercise	2%
No Leisure Time Exercise	4%
Current Smoker	2%
Former Smoker	4%
Never Smoked	2%
Smokeless Tobacco	1%
No Smokeless Tobacco	3%
Diabetes	8%
No Diabetes	2%

**Table 48 (continued)  
Previously Had a Stroke for Selected Health Behaviors and  
Conditions, 2011-2012**

<b>Health Behavior or Condition</b>	<b>% Had Stroke</b>
High Blood Pressure	6%
No High Blood Pressure	1%
Health Insurance (18-64)	1%
No Health Insurance (18-64)	1%
Employer Based Coverage (18-64)	1%
Private Health Plan (18-64)	.3%
Medicare (18-64)	10%
Medicaid or Medical Assistance (18-64)	5%
The Military, CHAMPUS, TriCare, or the VA (18-64)	2%
The Indian Health Service (18-64)	2%
Breast Exam Within Past Two Years	2%
No Breast Exam Within Past Two Years	4%
Mammogram Within Past Two Years (40+)	4%
No Mammogram Within Past Two Years (40+)	4%
Pap Smear Within Past Three Years	1%
No Pap Smear Within Past Three Years	4%
Blood Stool Test Within Past Two Years (50+)	4%
No Blood Stool Test Within Past Two Years (50+)	4%
Ever Had a Sigmoidoscopy or Colonoscopy (50+)	5%
Never Had a Sigmoidoscopy or Colonoscopy (50+)	3%
PSA Test Within the Past Two Years (40+)	4%
No PSA Test Within the Past Two Years (40+)	3%
Flu Shot (65+)	9%
No Flu Shot (65+)	6%
Pneumonia Shot (65+)	9%
No Pneumonia Shot (65+)	5%
Previously Had Heart Attack	14%
Never Had Heart Attack	2%
Have Angina or Coronary Heart Disease	11%
Do Not Have Angina or Coronary Heart Disease	2%
Cancer	7%
No Cancer	2%
Skin Cancer	7%
No Skin Cancer	2%
Current Asthma	5%
Former Asthma	5%
Never Had Asthma	2%
Arthritis	6%
No Arthritis	1%
COPD	10%
No COPD	2%
Depression	5%
No Depression	2%
Kidney Disease	14%
No Kidney Disease	2%
Vision Impairment	7%
No Vision Impairment	2%
Been to the Dentist in the Past Year	2%
Haven't Been to the Dentist in the Past Year	3%
Always/Almost Always Wear Seat Belt	3%
Sometimes/Seldom/Never Wear Seat Belt	2%
Drank Alcohol in Past 30 Days	1%
Did Not Drink Alcohol in Past 30 Days	4%
Binge Drinker	1%
Not a Binge Drinker	3%

<b>Table 48 (continued) Previously Had a Stroke for Selected Health Behaviors and Conditions, 2011-2012</b>	
<b>Health Behavior or Condition</b>	<b>% Had Stroke</b>
Heavy Drinker	1%
Not a Heavy Drinker	3%
< 3 Sweetened Beverages per Day	3%
3+ Sweetened Beverages per Day	2%
Good/Very Good/Excellent Health Status	1%
Fair/Poor Health Status	10%
Physical Health Not Good for 0-29 Days of the Past 30	2%
Physical Health Not Good for 30 Days of the Past 30	11%
Mental Health Not Good for 0-19 Days of the Past 30	2%
Mental Health Not Good for 20-30 Days of the Past 30	6%
Usual Activities Unattainable for 0-9 Days of the Past 30	2%
Usual Activities Unattainable for 10-30 Days of the Past 30	9%
Physical, Mental, or Emotional Problems	7%
No Physical, Mental, or Emotional Problems	1%
Disability with Special Equipment Needed	12%
No Disability with Special Equipment Needed	2%
Heard of "Healthy South Dakota" Program	3%
Not Heard of "Healthy South Dakota" Program	3%
Injured in a Fall in Past 12 Months (45+)	9%
Not Injured in a Fall in Past 12 Months (45+)	3%
Been Tested for HIV (18-64)	2%
Never Been Tested for HIV (18-64)	3%

Source: The Behavioral Risk Factor Surveillance System, South Dakota Department of Health, 2011-2012

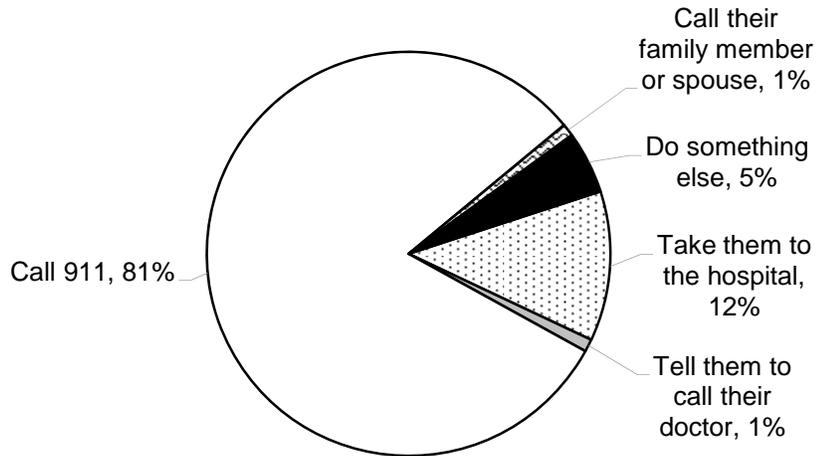
Table 49, below, displays respondents' opinions on the signs and symptoms of a stroke. A majority of respondents, 95 percent, identified sudden numbness, especially on one side of the body as a sign of a stroke while less than half of those surveyed, 48 percent, thought sudden chest pain or discomfort was a sign of a stroke.

<b>Table 49 Respondents' Opinions on the Signs and Symptoms of a Stroke, 2012</b>			
<b>Signs</b>	<b>Yes</b>	<b>No</b>	<b>Don't know/ Not sure</b>
Sudden Numbness or Weakness of Face, Arm, or Leg, Especially on One Side	95%	3%	3%
Sudden Confusion or Trouble Speaking	90%	5%	6%
Sudden Trouble Walking, Dizziness, or Loss of Balance	87%	6%	7%
Sudden Trouble Seeing in One or Both Eyes	71%	8%	21%
Severe Headache with No Known Cause	62%	18%	20%
Sudden Chest Pain or Discomfort	48%	37%	15%

Source: The Behavioral Risk Factor Surveillance System, South Dakota Department of Health, 2012

Figure 81, below, displays the respondents' opinion on the first thing they would do if they thought someone was having a stroke. Over three-fourths of the respondents stated they would call 911 first while 12 percent would take them to a hospital first.

**Figure 81**  
**Respondents' Opinion on the First Thing They Would Do if They Thought Someone was Having a Stroke, 2012**



Source: The Behavioral Risk Factor Surveillance System, South Dakota Department of Health, 2012