Cardiovascular Disease

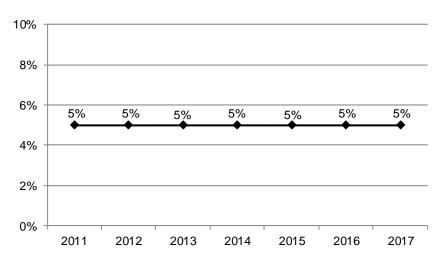
PREVIOUSLY HAD A HEART ATTACK

Definition: South Dakotans 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 Previous Heart Attack

- South Dakota 5%
- Nationwide median 4%

Figure 32
Percentage of South Dakotans Who Previously Had a Heart Attack, 2011-2017



Source: The Behavioral Risk Factor Surveillance System, South Dakota Department of Health, 2011-2017

Sout	Table 29 h Dakotans Who Previously Had a	Heart Attack	, 2013-2017	
			95% Confidence Interval	
		2013-2017	Low	High
<u> </u>	Male	7%	6.0%	7.2%
Gender	Female	3%	2.8%	3.6%
	18-29	1%	0.4%	1.5%
	30-39	1%	0.5%	1.6%
	40-49	2%	1.5%	2.9%
Age	50-59	5%	3.7%	5.4%
J	60-69	9%	7.5%	9.7%
	70-79	13%	11.7%	15.3%
	80+	17%	14.3%	19.0%
_	White	5%	4.5%	5.3%
Race	American Indian	6%	4.8%	7.4%
	Hispanic	5%	2.5%	10.2%
Ethnicity	Non-Hispanic	5%	4.5%	5.2%
	Less than \$35,000	7%	6.3%	7.9%
Household Income	\$35,000-\$74,999	5%	4.0%	5.2%
	\$75,000+	2%	2.0%	3.0%
	Less than High School, G.E.D.	8%	6.6%	9.9%
	High School, G.E.D.	6%	5.5%	7.1%
Education	Some Post-High School	4%	3.4%	4.4%
	College Graduate	3%	2.6%	3.6%
	Employed for Wages	2%	2.0%	2.7%
	Self-employed	3%	2.8%	4.3%
	Unemployed	4%	2.8%	6.9%
Employment Status	Homemaker	3%	2.0%	5.8%
Employment Otatas	Student	0.3%	0.1%	1.2%
	Retired	13%	11.6%	14.1%
	Unable to Work	14%	11.3%	16.4%
Marital Status	Married/Unmarried Couple	5%	4.4%	5.4%
	Divorced/Separated	6%	5.3%	7.5%
	Widowed	12%	10.5%	14.1%
	Never Married	2%	1.5%	2.4%
Home Ownership	Own Home	5%	4.7%	5.6%
Status	Rent Home	4%	3.8%	5.2%
Gtatus	Children in Household (Ages 18-44)	1%	0.7%	1.8%
Children Status	No Children in Household (Ages 18-44)	1%	0.5%	1.2%
		7%	6.1%	7.4%
Phone Status	Landline Cell Phone	4%	3.4%	4.2%
Pregnancy Status	Pregnant (Ages 18-44)	0% 1%	0.0%	1.3% 1.3%
	Not Pregnant (Ages 18-44)	!	0.4%	
	Minnehaha	4%	3.2%	4.9%
County Note: *Begulte begged or	Pennington	5%	3.9%	6.0%
	Lincoln	3%	2.2%	4.5%
	Brown	5%	3.5%	6.0%
	Brookings	4%	2.7%	5.9%
	Codington	7%	5.8%	9.2%
	Meade	4%	3.0%	5.5%
	Lawrence	5%	3.7%	6.0%

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

Source: The Behavioral Risk Factor Surveillance System, South Dakota Department of Health, 2013-2017

Demographics

Gender Males exhibit a significantly higher prevalence of a previous heart attack than

females.

Age The prevalence of a previous heart attack increases as age increases with

significant increases as the 50s, 60s, and 70s are reached.

Race There are no significant racial differences regarding a previous heart attack.

Ethnicity There is no significant Hispanic difference in the prevalence of a previous

heart attack.

Household Income

The prevalence of a previous heart attack decreases as household income increases. This includes significant decreases as the \$35,000-\$74,999 and

\$75,000+ household income levels are reached.

Education The prevalence of a previous heart attack decreases as education increases.

This includes a significant decrease as some post-high school level is

reached.

Employment Those who are retired or unable to work demonstrate a very high prevalence

of a previous heart attack, while those who are students show a very low

prevalence.

Marital Thos Status attac

Those who are widowed exhibit a very high prevalence of a previous heart

attack while those who have never been married show a very low prevalence.

Home Ownership The prevalence of a previous heart attack does not seem to change based on

home ownership status.

Children Status The prevalence of a previous heart attack among adults does not seem to

change based on the presence of children in the household.

Phone Status Those with a landline phone show a significantly higher prevalence of a

previous heart attack than those with a cell phone.

Pregnancy Status The prevalence of a previous heart attack does not seem to change based on

pregnancy status.

County Codington county demonstrates a very high prevalence of a previous heart

attack, while Minnehaha, Lincoln, and Meade counties show a very low

prevalence.

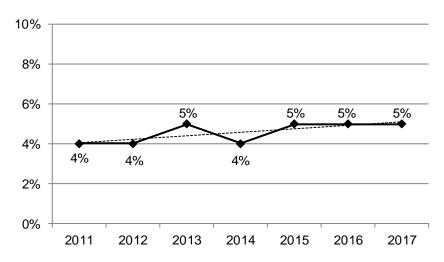
ANGINA OR CORONARY HEART DISEASE

Definition: South Dakotans 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 5%
- Nationwide median 4%

Figure 33
Percentage of South Dakotans Who Have Angina or Coronary Heart Disease, 2011-2017



Source: The Behavioral Risk Factor Surveillance System, South Dakota Department of Health, 2011-2017

			95% Confidence Interval		
		2013-2017	Low	High	
01	Male	6%	5.2%	6.3%	
Gender	Female	4%	3.1%	4.0%	
	18-29	1%	0.5%	1.6%	
	30-39	0.4%	0.2%	0.8%	
	40-49	1%	0.7%	1.7%	
Age	50-59	4%	3.6%	5.2%	
.90	60-69	8%	7.2%	9.3%	
	70-79	14%	11.9%	15.6%	
	80+	17%	14.9%	20.3%	
	White	5%	4.4%	5.1%	
Race	American Indian	4%	3.3%	6.1%	
	Hispanic	5%	2.5%	9.7%	
Ethnicity	Non-Hispanic	5%	4.3%	5.0%	
-	Less than \$35,000	6%	4.3% 5.7%	7.3%	
lousehold Income	\$35,000-\$74,999	4%	3.8%	4.9%	
iousenoia income	\$35,000-\$74,999 \$75,000+	3%	3.8% 2.2%	3.4%	
	Less than High School, G.E.D.	6%	5.1%	8.2%	
Education	High School, G.E.D.	6%	4.9%	6.4%	
	Some Post-High School	4%	3.7%	4.9%	
	College Graduate	3%	2.7%	3.5%	
	Employed for Wages	2%	1.7% 2.0%	2.4% 3.6%	
	Self-employed Unemployed	3% 4%	2.0%	6.5%	
Employment Status	Homemaker	2%	1.4%	3.1%	
improyment Status	Student	0.2%	0.1%	0.9%	
	Retired	14%	13.1%	15.8%	
	Unable to Work	10%	8.2%	12.8%	
	Married/Unmarried Couple	5%	4.2%	5.1%	
	Divorced/Separated	6%	4.7%	6.8%	
Marital Status	Widowed	12%	10.6%	14.5%	
	Never Married	2%	1.2%	2.2%	
	Own Home	5%	4.6%	5.5%	
Home Ownership Status	Rent Home	4%	3.4%	4.8%	
	Children in Household (Ages 18-44)	1%	0.3%	1.1%	
Children Status	No Children in Household (Ages 18-44)	1%	0.4%	1.1%	
	Landline	7%	6.0%	7.3%	
Phone Status	Cell Phone	3%	3.1%	3.9%	
	Pregnant (Ages 18-44)	0%	0.0%	1.3%	
Pregnancy Status	Not Pregnant (Ages 18-44)	1%	0.4%	1.3%	
	Minnehaha	4%	2.9%	4.3%	
County	Pennington	5%	4.1%	6.1%	
	Lincoln	3%	2.1%	4.2%	
	Brown	6%	4.3%	7.1%	
	Brookings	3%	2.2%	4.2%	
	Codington	6%	4.4%	7.1%	
	Meade	4%	2.9%	5.1%	
	Lawrence	4%	3.4%	5.5%	
	LUTTION	₹ /0	O. 7 /U	5.570	

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

Source: The Behavioral Risk Factor Surveillance System, South Dakota Department of Health, 2013-2017

Demographics

Gender Males exhibit a significantly higher prevalence of heart disease than females.

Age The prevalence of heart disease generally increases as age increases with

significant increases as the 50s, 60s, and 70s are reached.

Race There are no significant racial differences regarding heart disease.

Ethnicity There is no significant Hispanic difference in the prevalence of heart disease.

Household Income The prevalence of heart disease decreases as household income increases. This includes significant decreases as the \$35,000-\$74,999 and \$75,000+

household income levels are reached.

Education The prevalence of heart disease decreases as education increases. This

includes a significant decrease as the college graduate level is reached.

Employment Those who are retired demonstrate a very high prevalence of heart disease,

while those who are students show a very low prevalence.

Marital Status Those who are widowed exhibit a very high prevalence of heart disease, while

those who have never been married show a very low prevalence.

Home Ownership The prevalence of heart disease does not seem to change based on home ownership status.

whership status

Children Status The prevalence of heart disease among adults does not seem to change based on the presence of children in the household.

based on the presence of children in the household.

Phone Status Those with a landline phone show a significantly higher prevalence of heart

disease than those with a cell phone.

Pregnancy Status The prevalence of heart disease does not seem to change based on

pregnancy status.

County Brown and Codington counties demonstrate a very high prevalence of heart

disease, while Minnehaha, Lincoln, and Brookings counties show a very low

prevalence.

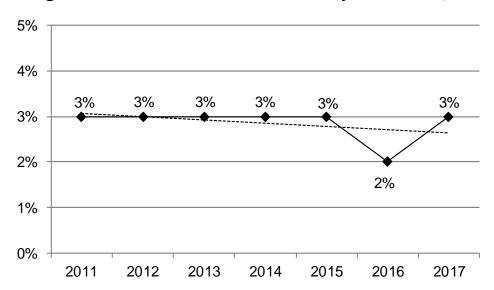
PREVIOUSLY HAD A STROKE

Definition: South Dakotans who answered "yes" to the question: "Has a doctor, nurse, or other health professional ever told you that you had a stroke?"

Prevalence of Previous Stroke

- o South Dakota 3%
- Nationwide median 3%

Figure 34
Percentage of South Dakotans Who Have Previously Had a Stroke, 2011-2017



Source: The Behavioral Risk Factor Surveillance System, South Dakota Department of Health, 2011-2017

Table 31 South Dakotans Who Previously Had a Stroke, 2013-2017				
			95% Confide	ence Interval
		2013-2017	Low	High
	Male	3%	2.4%	3.1%
Gender	Female	3%	2.2%	2.9%
	18-29	1%	0.3%	1.1%
	30-39	1%	0.4%	1.4%
	40-49	1%	1.0%	2.1%
Age	50-59	2%	1.6%	2.5%
	60-69	4%	3.2%	4.6%
	70-79	7%	6.1%	8.8%
	80+	11%	8.9%	12.8%
Dana	White	3%	2.4%	2.9%
Race	American Indian	4%	2.8%	4.5%
Filminio	Hispanic	3%	1.3%	8.9%
Ethnicity	Non-Hispanic	3%	2.4%	2.9%
	Less than \$35,000	4%	3.7%	4.9%
Household Income	\$35,000-\$74,999	2%	1.5%	2.2%
	\$75,000+	1%	0.9%	1.4%
	Less than High School, G.E.D.	6%	4.4%	7.3%
	High School, G.E.D.	3%	2.4%	3.4%
Education	Some Post-High School	2%	1.8%	2.6%
	College Graduate	2%	1.4%	2.1%
	Employed for Wages	1%	0.8%	1.3%
	Self-employed	1%	0.9%	1.7%
	Unemployed	2%	1.0%	2.5%
Employment Status	Homemaker	3%	1.9%	4.9%
	Student	0.3%	0.1%	1.5%
	Retired	7%	6.3%	8.1%
	Unable to Work	11%	8.6%	12.9%
Marital Status	Married/Unmarried Couple	2%	2.0%	2.7%
	Divorced/Separated	4%	3.0%	4.5%
	Widowed	8%	6.8%	9.7%
	Never Married	1%	0.8%	1.5%
Home Ownership	Own Home	3%	2.3%	3.0%
Status	Rent Home	3%	2.5%	3.4%
Children Status	Children in Household (Ages 18-44)	1%	0.5%	1.4%
	No Children in Household (Ages 18-44)	1%	0.4%	1.1%
Phone Status	Landline	4%	3.5%	4.4%
	Cell Phone	2%	1.6%	2.2%
	Pregnant (Ages 18-44)	0%	0.0%	1.3%
Pregnancy Status	Not Pregnant (Ages 18-44)	1%	0.4%	1.2%
	Minnehaha	2%	1.5%	2.7%
County	Pennington	3%	2.1%	3.4%
	Lincoln	2%	1.4%	3.1%
	Brown	4%	2.6%	5.2%
	Brookings	2%	1.4%	3.1%
	Codington	3%	1.7%	3.7%
	Meade	3%	1.9%	4.1%
	Lawrence	2%	1.8%	3.3%

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

Source: The Behavioral Risk Factor Surveillance System, South Dakota Department of Health, 2013-2017

Demographics

Gender There is no significant gender difference regarding the prevalence of a

previous stroke.

Age The prevalence of a previous stroke increases as age increases with

significant increases as the 60s, 70s, and 80s are reached.

Race There are no significant racial differences regarding the prevalence of a

previous stroke.

Ethnicity There is no significant Hispanic difference in the prevalence of a previous

stroke.

Household Income

The prevalence of a previous stroke decreases as household income increases. This includes significant decreases as the \$35,000-\$74,999 and

\$75,000+ household income levels are reached.

Education The prevalence of a previous stroke decreases as education increases. This

includes a significant decrease as the high school graduate level is reached.

Employment Those who are unable to work demonstrate a very high prevalence of a

previous stroke, while those who are employed for wages, self-employed,

unemployed, or a student show a very low prevalence.

Marital Those who are widowed exhibit a very high prevalence of a previous stroke

while those who have never been married show a very low prevalence.

Home The prevalence of a previous stroke does not seem to change based on home

Ownership ownership status.

Children The prevalence of a previous stroke among adults does not seem to change

based on the presence of children in the household.

Phone Status Those with a landline phone show a significantly higher prevalence of a

previous stroke than those with a cell phone.

Pregnancy Status

Status

Status

The prevalence of a previous stroke does not seem to change based on

pregnancy status.

County There are no significant differences among the eight counties regarding the

prevalence of a previous stroke.