

# Diabetes

**Definition:** Respondents ever told by a doctor that they have diabetes, excluding women who were told this while they were pregnant.

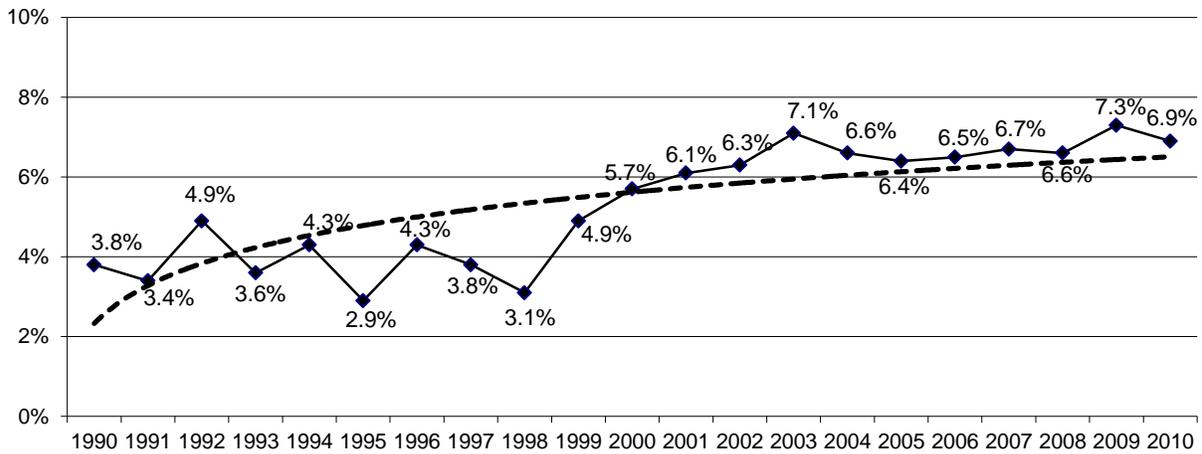
## Prevalence of Diabetes

- South Dakota 10%
- Nationwide median 10%

## Healthy People 2020 Objective

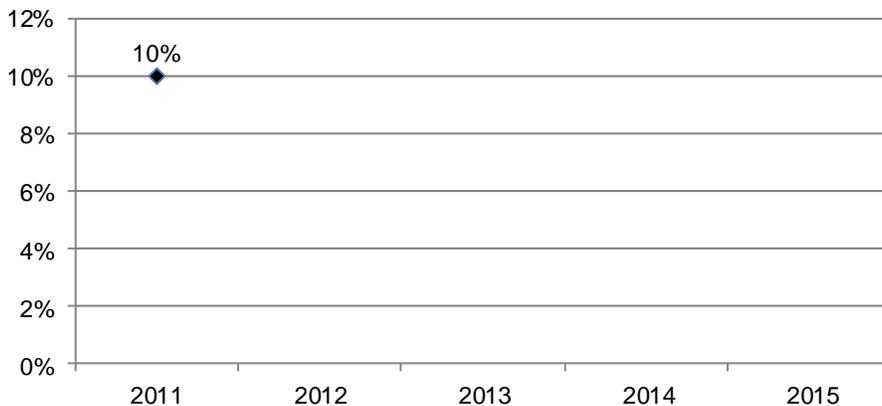
There was no comparable Healthy People 2020 Objective for adults, ages 18 and over, who have diabetes.

**Figure 25**  
Percent of Respondents Who Were Told They Have Diabetes, 1990-2010



Source: The Behavioral Risk Factor Surveillance System, South Dakota Department of Health, 1990-2010

**Figure 26**  
Percent of Respondents Who Were Told They Have Diabetes, 2011



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

**Table 21  
Respondents Who Were Told They Have Diabetes, 2011**

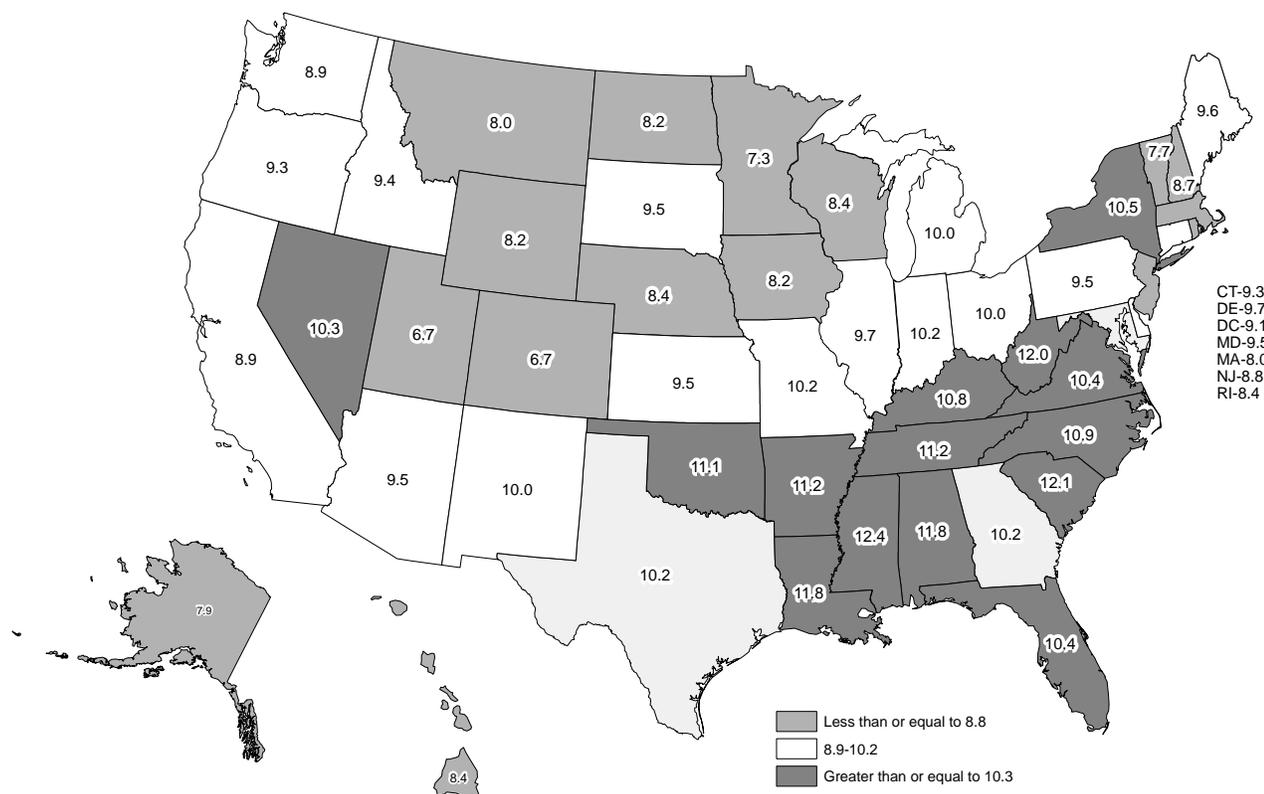
		# Resp.	% Told They Have Diabetes	95% CI	
				Lower	Upper
<b>Total</b>		<b>8,250</b>	<b>10%</b>	<b>8%</b>	<b>11%</b>
<b>Gender</b>	Male	3,316	11%	10%	13%
	Female	4,934	8%	7%	9%
<b>Age</b>	18-44	2,215	3%	2%	5%
	45-64	3,239	11%	9%	13%
	65+	2,747	21%	18%	24%
<b>Race</b>	White	7,094	9%	8%	10%
	American Indian	854	19%	14%	25%
<b>Ethnicity</b>	Hispanic	106	10%	5%	18%
	Non-Hispanic	8,131	10%	8%	11%
<b>Household Income</b>	Less than \$25,000	2,009	13%	11%	16%
	\$25,000-\$49,999	2,112	9%	7%	11%
	\$50,000+	2,908	6%	5%	8%
<b>Education</b>	High School, G.E.D., or Less	3,227	13%	11%	15%
	Some Post-High School	2,414	8%	6%	10%
	College Graduate	2,595	5%	4%	7%
<b>Employment Status</b>	Employed for Wages	3,653	6%	5%	8%
	Self-employed	890	6%	4%	10%
	Unemployed	343	11%	7%	16%
	Homemaker	462	8%	5%	12%
	Student	184	1%	0%	6%
	Retired	2,313	20%	17%	23%
<b>Marital Status</b>	Unable to Work	393	24%	17%	32%
	Married/Unmarried Couple	4,803	10%	8%	11%
	Divorced/Separated	1,090	10%	8%	13%
	Widowed	1,253	19%	15%	24%
	Never Married	1,092	6%	4%	8%
	<b>Home Ownership Status</b>	Own Home	6,253	9%	8%
Rent Home		1,682	11%	9%	14%
<b>Children Status</b>	Children in Household (Ages 18-44)	1,508	3%	2%	4%
	No Children in Household (Ages 18-44)	704	5%	3%	8%
<b>Phone Status</b>	Landline	7,247	10%	9%	12%
	Cell Phone	1,003	5%	4%	7%

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

### **National Statistics**

The national median for respondents who have diabetes was 9.5 percent, as shown in Figure 27 on the next page. South Dakota had 9.5 percent of respondents who have diabetes. Colorado had the lowest percent of respondents who have diabetes with 6.7 percent, while West Virginia had the highest with 12 percent.

**Figure 27**  
**Nationally, Respondents Who Were Told They Have Diabetes, 2011**



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

**Further Analysis**

The following data show the percent of those told they have diabetes for various health behaviors and conditions. For example, 21 percent of respondents who reported they have high blood pressure also have diabetes, while four percent of respondents who reported they do not have high blood pressure have diabetes.

Health Behavior or Condition	# Respondents	% Diagnosed with Diabetes	95% CI	
			Lower	Upper
Underweight (BMI < 18.5)	103	1%	0%	2%
Recommended (BMI = 18.5-24.9)	2,473	4%	3%	6%
Overweight (BMI = 25.0-29.9)	2,940	8%	6%	10%
Obese - Class I (BMI = 30.0-34.9)	1,514	17%	13%	20%
Obese - Classes II & III (BMI = 35.0+)	781	22%	17%	27%
Leisure Time Exercise	5,790	9%	7%	10%
No Leisure Time Exercise	2,246	12%	10%	15%
Meet Aerobic Recommendations	3,740	8%	7%	9%
Did Not Meet Aerobic Recommendations	4,091	10%	9%	12%
At Least Five Servings of Fruits and Vegetables	1,042	10%	7%	14%
Less Than Five Servings of Fruits and Vegetables	6,994	9%	8%	10%
Current Smoker	1,478	9%	6%	12%
Former Smoker	2,478	13%	11%	16%
Never Smoked	4,265	8%	7%	9%
Smokeless Tobacco	406	6%	2%	13%
No Smokeless Tobacco	7,844	10%	9%	11%

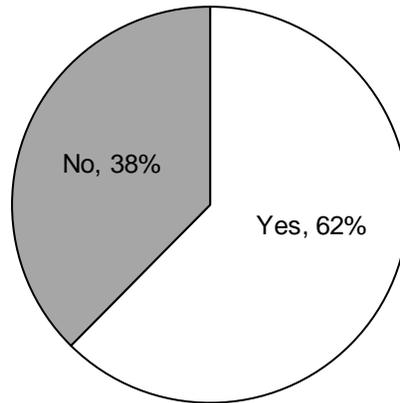
**Table 22 (continued)**  
**Diagnosed with Diabetes for Selected Health Behaviors and Conditions, 2011**

Health Behavior or Condition	# Respondents	% Diagnosed with Diabetes	95% CI	
			Lower	Upper
High Blood Pressure	3,227	21%	19%	24%
No High Blood Pressure	5,008	4%	3%	5%
High Blood Cholesterol	2,872	20%	17%	23%
No High Blood Cholesterol	4,035	8%	7%	10%
Flu Shot (65+)	1,874	23%	20%	27%
No Flu Shot (65+)	779	12%	9%	17%
Pneumonia Shot (65+)	1,750	23%	20%	27%
No Pneumonia Shot (65+)	815	10%	7%	15%
Drank Alcohol in Past 30 Days	4,240	6%	5%	7%
Did Not Drink Alcohol in Past 30 Days	3,692	15%	13%	17%
Binge Drinker	1,208	5%	4%	7%
Not a Binge Drinker	6,683	11%	9%	12%
Heavy Drinker	404	4%	2%	7%
Not a Heavy Drinker	7,461	10%	9%	11%
Always/Almost Always Wear Seat Belt	6,769	10%	9%	11%
Sometimes/Seldom/Never Wear Seat Belt	1,201	8%	6%	10%
Previously Had Heart Attack	566	32%	25%	39%
Never Had Heart Attack	7,650	8%	7%	9%
Have Angina or Coronary Heart Disease	536	33%	26%	41%
Do Not Have Angina or Coronary Heart Disease	7,647	8%	7%	9%
Previously Had a Stroke	305	32%	22%	43%
Never Had a Stroke	7,928	9%	8%	10%
Cancer	1,363	18%	14%	22%
No Cancer	6,856	8%	7%	10%
Skin Cancer	760	17%	13%	22%
No Skin Cancer	7,470	9%	8%	10%
Current Asthma	639	15%	11%	21%
Former Asthma	255	12%	5%	25%
Never had Asthma	7,307	9%	8%	10%
Arthritis	2,582	20%	17%	23%
No Arthritis	5,629	6%	5%	7%
COPD	560	24%	17%	32%
No COPD	7,662	9%	8%	10%
Depression	1,320	14%	11%	18%
No Depression	6,904	9%	8%	10%
Kidney Disease	251	29%	21%	39%
No Kidney Disease	7,979	9%	8%	10%
Vision Impairment	1,768	19%	16%	23%
No Vision Impairment	6,442	8%	6%	9%
Good/Very Good/Excellent Health Status	6,867	7%	6%	8%
Fair/Poor Health Status	1,374	26%	22%	30%
Physical Health Not Good for 0-29 Days of the Past 30	7,553	8%	7%	9%
Physical Health Not Good for 30 Days of the Past 30	545	29%	22%	37%
Mental Health Not Good for 0-19 Days of the Past 30	7,688	9%	8%	10%
Mental Health Not Good for 20-30 Days of the Past 30	432	13%	9%	19%
Usual Activities Unattainable for 0-9 Days of the Past 30	7,587	9%	8%	10%
Usual Activities Unattainable for 10-30 Days of the Past 30	582	21%	16%	28%
Physical, Mental, or Emotional Problems	2,311	16%	13%	18%
No Physical, Mental, or Emotional Problems	5,682	7%	6%	9%
Disability with Special Equipment Needed	818	29%	23%	36%
No Disability with Special Equipment Needed	7,187	8%	7%	9%
Been Tested for HIV (18-64)	1,582	8%	6%	11%
Never Been Tested for HIV (18-64)	6,157	9%	8%	11%

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

Figure 28, below, displays the percent of respondents who had a test for high blood sugar or diabetes within the past three years. The majority of respondents stated that they had a blood sugar or diabetes test within the past three years.

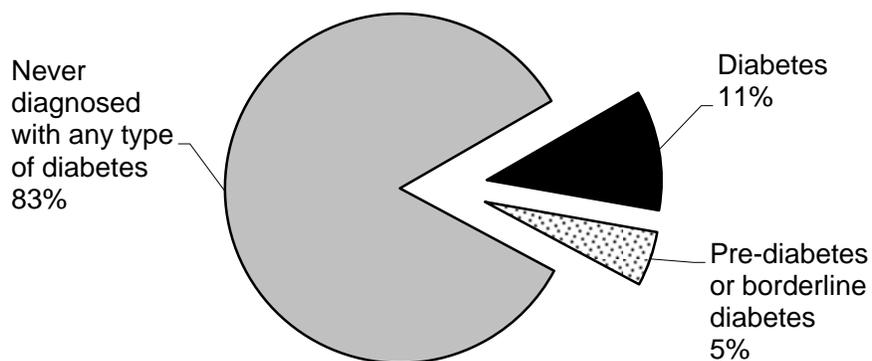
**Figure 28**  
**Respondents Who Have Had a Test for High Blood Sugar or Diabetes within the Past Three Years, 2011**



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

Figure 29, below, displays the diabetic status of all respondents for 2011. The majority of respondents, 83 percent, stated that they have never been diagnosed with any type of diabetes.

**Figure 29**  
**Respondents' Diabetic Status, 2011**



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