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# Chronic Obstructive Pulmonary Disease

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**Definition:** Respondents who answered “yes” to the question: “Has a doctor, nurse, or other health professional ever told you that you have Chronic Obstructive Pulmonary Disease, or COPD, emphysema or chronic bronchitis?”

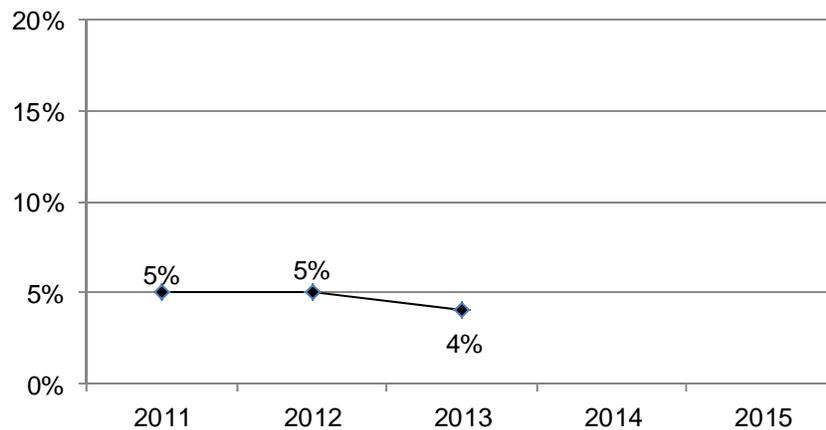
## **Prevalence of COPD**

- South Dakota 4%
- Nationwide median 7%

## **Healthy People 2020 Objective**

*There was no stated Healthy People 2020 Objective for COPD.*

**Figure 67**  
**Percent of Respondents Who Were Told They Have COPD, 2011-2013**



Source: The Behavioral Risk Factor Surveillance System, South Dakota Department of Health, 2011-2013

**Table 61**  
**Respondents Who Have Been Told They Have COPD, 2011-2013**

		2011-2013	2011	2012	2013
<b>Total</b>		<b>5%</b>	<b>5%</b>	<b>5%</b>	<b>4%</b>
<b>Gender</b>	Male	5%	5%	5%	5%
	Female	5%	6%	5%	4%
<b>Age</b>	18-34	2%	*	*	*
	35-44	2%	*	*	*
	45-54	4%	*	*	*
	55-64	7%	9%	7%	*
	65-74	11%	*	*	*
	75+	10%	*	*	*
<b>Race</b>	White	5%	5%	5%	5%
	American Indian	6%	*	*	*
<b>Ethnicity</b>	Hispanic	3%	*	*	*
	Non-Hispanic	5%	5%	5%	5%
<b>Household Income</b>	Less than \$15,000	11%	*	*	*
	\$15,000-\$24,999	8%	*	*	*
	\$25,000-\$34,999	6%	*	*	*
	\$35,000-\$49,999	5%	*	*	*
	\$50,000-\$74,999	2%	*	*	*
	\$75,000+	1%	2%	2%	*
<b>Education</b>	Less than High School, G.E.D.	9%	*	*	*
	High School, G.E.D.	6%	7%	6%	6%
	Some Post-High School	4%	5%	3%	3%
	College Graduate	3%	3%	3%	2%
<b>Employment Status</b>	Employed for Wages	2%	3%	3%	2%
	Self-employed	3%	*	*	*
	Unemployed	6%	*	*	*
	Homemaker	4%	*	*	*
	Student	1%	*	*	*
	Retired	10%	12%	10%	9%
	Unable to Work	24%	*	*	*
<b>Marital Status</b>	Married/Unmarried Couple	4%	4%	4%	4%
	Divorced/Separated	8%	*	*	*
	Widowed	10%	*	*	*
	Never Married	4%	*	*	*
<b>Home Ownership Status</b>	Own Home	5%	5%	5%	4%
	Rent Home	6%	8%	5%	7%
<b>Children Status</b>	Children in Household (Ages 18-44)	2%	2%	2%	*
	No Children in Household (Ages 18-44)	3%	*	*	*
<b>Phone Status</b>	Landline	6%	6%	6%	6%
	Cell Phone	3%	*	3%	3%
<b>Pregnancy Status</b>	Pregnant (Ages 18-44)	2%	*	*	*
	Not Pregnant (Ages 18-44)	2%	*	*	*

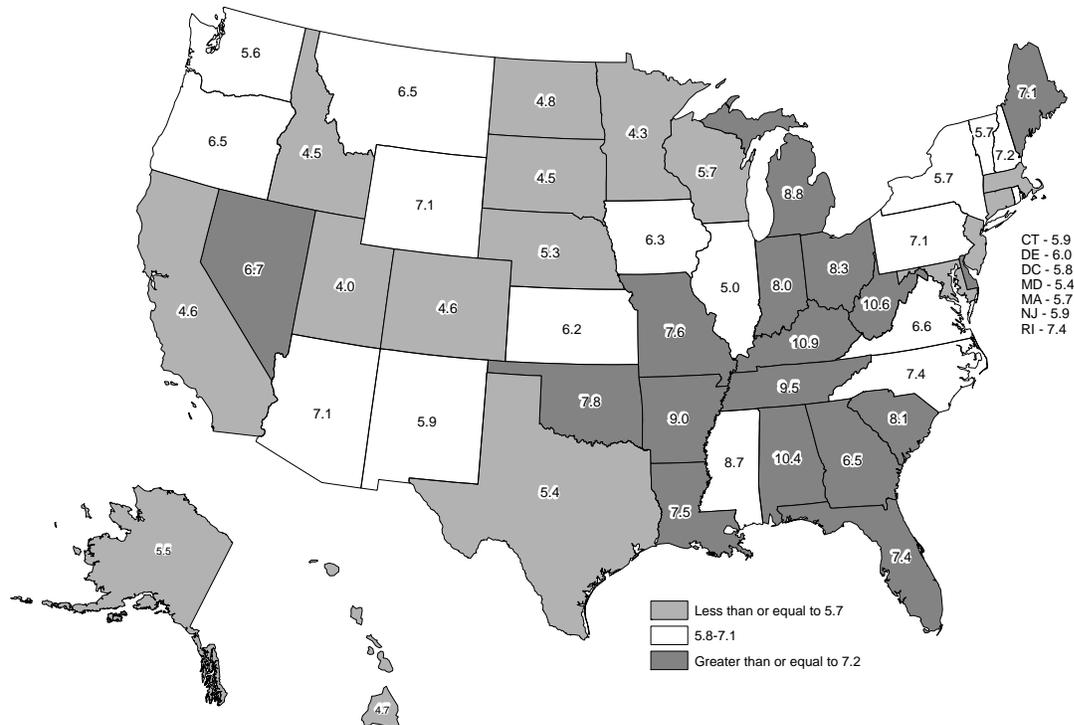
Note: \*Results based on small sample sizes have been suppressed.

Source: The Behavioral Risk Factor Surveillance System, South Dakota Department of Health, 2011-2013

### National Statistics

The national median for respondents who have COPD was 6.5 percent, as shown in Figure 68 on the next page. South Dakota had 4.5 percent of respondents with COPD. Utah had the lowest percent of respondents with COPD at 4.0 percent, while Kentucky had the highest with 10.9 percent.

**Figure 68**  
**Nationally, Respondents Who Were Told They Have COPD, 2013**



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

### **Further Analysis**

The following data show the percent of those who have COPD for various health behaviors and conditions. For example, 12 percent of respondents who have diabetes have COPD, while four percent of respondents who do not have diabetes have COPD.

<b>Health Behavior or Condition</b>	<b>% with COPD</b>
Underweight (BMI < 18.5)	9%
Recommended (BMI = 18.5-24.9)	4%
Overweight (BMI = 25.0-29.9)	4%
Obese - Class I (BMI = 30.0-34.9)	6%
Obese - Classes II & III (BMI = 35.0+)	8%
Leisure Time Exercise	4%
No Leisure Time Exercise	9%
Met Physical Activity Recommendations	4%
Did Not Meet Physical Activity Recommendations	6%
2+ Servings of Fruit per Day	4%
< 2 Servings of Fruit per Day	5%
3+ Servings of Vegetables per Day	4%
< 3 Servings of Vegetables per Day	5%
5+ Servings of Fruits and Vegetables per Day	4%
< 5 Servings of Fruits and Vegetables per Day	5%

**Table 62 (continued)**  
**COPD Prevalence for Selected Health Behaviors and Conditions,**  
**2011-2013**

<b>Health Behavior or Condition</b>	<b>% with COPD</b>
Current Smoker	8%
Former Smoker	8%
Never Smoked	2%
Smokeless Tobacco	5%
No Smokeless Tobacco	5%
Heard of "South Dakota QuitLine"	4%
Not Heard of "South Dakota QuitLine"	5%
Diabetes	12%
No Diabetes	4%
High Blood Pressure	9%
No High Blood Pressure	3%
High Blood Cholesterol	8%
No High Blood Cholesterol	4%
Health Insurance (18-64)	3%
No Health Insurance (18-64)	6%
Employer Based Coverage (18-64)	2%
Private Health Plan (18-64)	2%
Medicare (18-64)	14%
Medicaid or Medical Assistance (18-64)	8%
The Military, CHAMPUS, TriCare, or the VA (18-64)	7%
The Indian Health Service (18-64)	3%
Flu Shot (65+)	12%
No Flu Shot (65+)	7%
Pneumonia Shot (65+)	14%
No Pneumonia Shot (65+)	4%
Previously Had Heart Attack	16%
Never Had Heart Attack	4%
Have Angina or Coronary Heart Disease	17%
Do Not Have Angina or Coronary Heart Disease	4%
Previously Had a Stroke	19%
Never Had a Stroke	5%
Cancer	11%
No Cancer	4%
Skin Cancer	12%
No Skin Cancer	4%
Current Asthma	24%
Former Asthma	7%
Never Had Asthma	3%
Arthritis	11%
No Arthritis	3%
Depression	12%
No Depression	4%
Kidney Disease	15%
No Kidney Disease	5%
Severe Vision Impairment	18%
No Severe Vision Impairment	4%
Recent Increased Confusion/Memory Loss	14%
No Recent Increased Confusion/Memory Loss	4%
< 6 Hours of Sleep	11%
6+ Hours of Sleep	4%

**Table 62 (continued)**  
**COPD Prevalence for Selected Health Behaviors and Conditions,**  
**2011-2013**

<b>Health Behavior or Condition</b>	<b>% with COPD</b>
Always/Almost Always Wear Seat Belt	5%
Sometimes/Seldom/Never Wear Seat Belt	7%
Drank Alcohol in Past 30 Days	4%
Did Not Drink Alcohol in Past 30 Days	7%
Binge Drinker	3%
Not a Binge Drinker	5%
Heavy Drinker	6%
Not a Heavy Drinker	5%
Good/Very Good/Excellent Health Status	3%
Fair/Poor Health Status	19%
Physical Health Not Good for 0-29 Days of the Past 30	4%
Physical Health Not Good for 30 Days of the Past 30	22%
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	14%
Usual Activities Unattainable for 0-9 Days of the Past 30	4%
Usual Activities Unattainable for 10-30 Days of the Past 30	20%
Physical, Mental, or Emotional Problems	14%
No Physical, Mental, or Emotional Problems	2%
Disability with Special Equipment Needed	19%
No Disability with Special Equipment Needed	4%
< 2 Hours of TV per Day	3%
2+ Hours of TV per Day	6%
Been Tested for HIV (18-64)	5%
Never Been Tested for HIV (18-64)	5%

Source: The Behavioral Risk Factor Surveillance System, South Dakota Department of Health, 2011-2013