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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?”

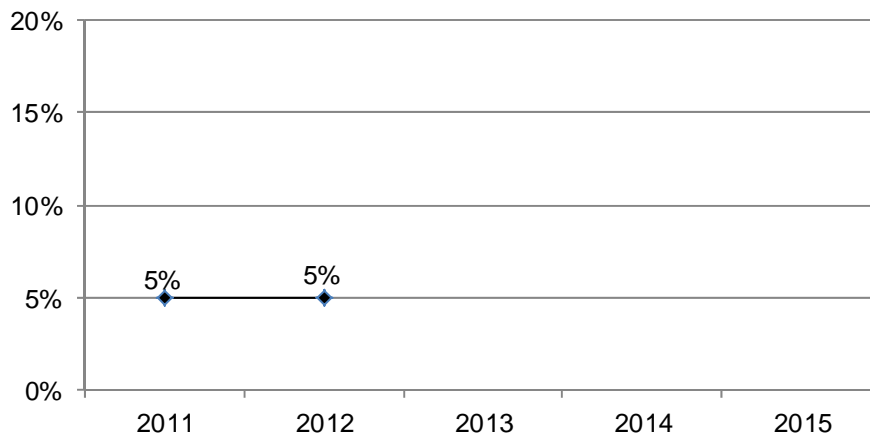
## **Prevalence of COPD**

- South Dakota 5%
- Nationwide median 6%

## **Healthy People 2020 Objective**

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

**Figure 91**  
**Percent of Respondents Who Were Told They Have COPD, 2011-2012**



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

<b>Table 58</b>				
<b>Respondents Who Have Been Told They Have COPD, 2011-2012</b>				
		<b>2011-2012</b>	<b>2011</b>	<b>2012</b>
<b>Total</b>		<b>5%</b>	<b>5%</b>	<b>5%</b>
<b>Gender</b>	Male	5%	5%	5%
	Female	5%	6%	5%
<b>Age</b>	18-44	2%	3%	2%
	45-64	6%	6%	6%
	65+	11%	12%	10%
<b>Race</b>	White	5%	5%	5%
	American Indian	7%	*	*
<b>Ethnicity</b>	Hispanic	5%	*	*
	Non-Hispanic	5%	5%	5%
<b>Household Income</b>	Less than \$25,000	9%	9%	8%
	\$25,000-\$49,999	6%	6%	5%
	\$50,000+	2%	2%	2%
<b>Education</b>	High School, G.E.D., or Less	7%	7%	7%
	Some Post-High School	4%	5%	3%
	College Graduate	3%	3%	3%
<b>Employment Status</b>	Employed for Wages	3%	3%	3%
	Self-employed	3%	*	*
	Unemployed	6%	*	*
	Homemaker	3%	*	*
	Student	2%	*	*
	Retired	11%	12%	10%
	Unable to Work	25%	*	*
<b>Marital Status</b>	Married/Unmarried Couple	4%	4%	4%
	Divorced/Separated	9%	*	*
	Widowed	12%	*	*
	Never Married	4%	*	*
<b>Home Ownership Status</b>	Own Home	5%	5%	5%
	Rent Home	6%	8%	5%
<b>Children Status</b>	Children in Household (Ages 18-44)	2%	*	*
	No Children in Household (Ages 18-44)	3%	*	*
<b>Phone Status</b>	Landline	6%	6%	6%
	Cell Phone	3%	*	*
<b>Pregnancy Status</b>	Pregnant (Ages 18-44)	3%	*	*
	Not Pregnant (Ages 18-44)	3%	*	*

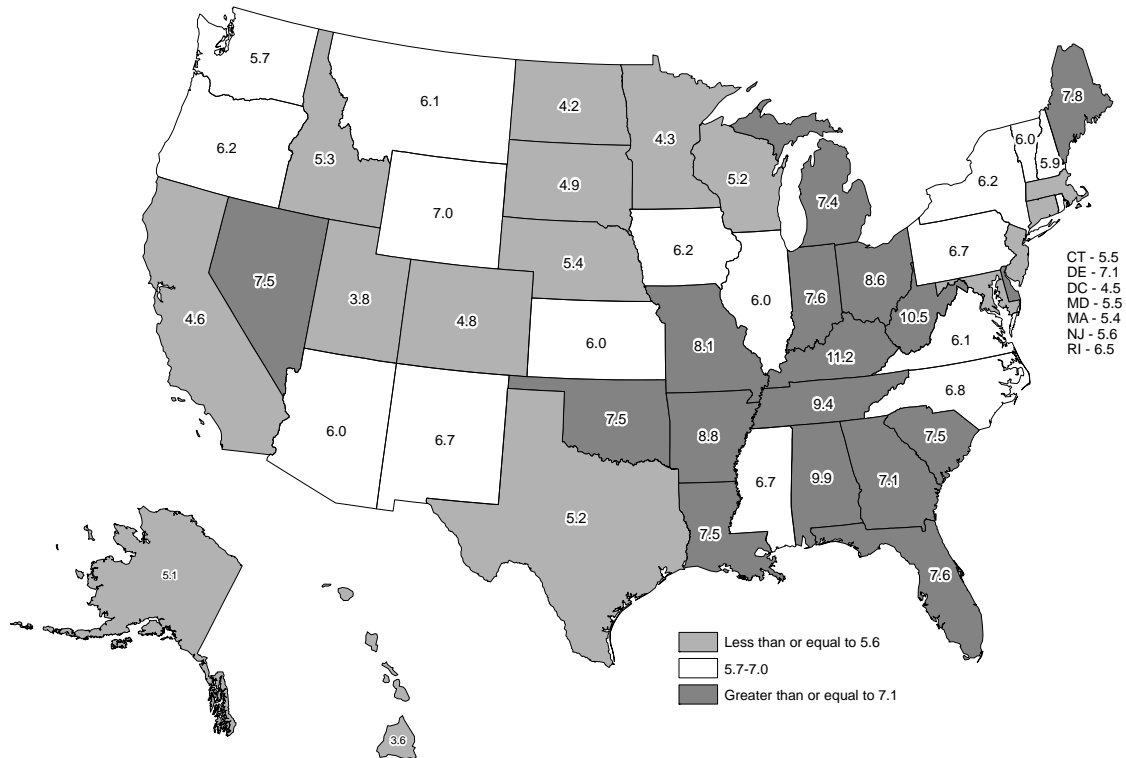
Note: \*Results based on small sample sizes have been suppressed.

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

### **National Statistics**

The national median for respondents who have COPD was 6.2 percent, as shown in Figure 92 on the next page. South Dakota had 4.9 percent of respondents with COPD. Hawaii had the lowest percent of respondents with COPD at 3.6 percent, while Kentucky had the highest with 11.2 percent.

**Figure 92**  
**Nationally, Respondents Who Were Told They Have COPD, 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 COPD for various health behaviors and conditions. For example, 14 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%
Current Smoker	9%
Former Smoker	8%
Never Smoked	2%
Smokeless Tobacco	5%
No Smokeless Tobacco	5%
Diabetes	14%
No Diabetes	4%
High Blood Pressure	9%
No High Blood Pressure	3%

**Table 59 (continued)**  
**COPD Prevalence for Selected Health Behaviors and Conditions,**  
**2011-2012**

<b>Health Behavior or Condition</b>	<b>% with COPD</b>
Health Insurance (18-64)	4%
No Health Insurance (18-64)	7%
Employer Based Coverage (18-64)	2%
Private Health Plan (18-64)	3%
Medicare (18-64)	14%
Medicaid or Medical Assistance (18-64)	9%
The Military, CHAMPUS, TriCare, or the VA (18-64)	9%
The Indian Health Service (18-64)	3%
Breast Exam Within Past Two Years	4%
No Breast Exam Within Past Two Years	7%
Mammogram Within Past Two Years (40+)	5%
No Mammogram Within Past Two Years (40+)	8%
Pap Smear Within Past Three Years	3%
No Pap Smear Within Past Three Years	6%
Blood Stool Test Within Past Two Years (50+)	9%
No Blood Stool Test Within Past Two Years (50+)	7%
Ever Had a Sigmoidoscopy or Colonoscopy (50+)	8%
Never Had a Sigmoidoscopy or Colonoscopy (50+)	8%
PSA Test Within the Past Two Years (40+)	8%
No PSA Test Within the Past Two Years (40+)	7%
Flu Shot (65+)	13%
No Flu Shot (65+)	7%
Pneumonia Shot (65+)	14%
No Pneumonia Shot (65+)	4%
Previously Had Heart Attack	19%
Never Had Heart Attack	4%
Have Angina or Coronary Heart Disease	18%
Do Not Have Angina or Coronary Heart Disease	5%
Previously Had a Stroke	20%
Never Had a Stroke	5%
Cancer	12%
No Cancer	4%
Skin Cancer	12%
No Skin Cancer	5%
Current Asthma	25%
Former Asthma	8%
Never Had Asthma	3%
Arthritis	12%
No Arthritis	3%
Depression	12%
No Depression	4%
Kidney Disease	15%
No Kidney Disease	5%
Vision Impairment	10%
No Vision Impairment	4%
Been to the Dentist in the Past Year	4%
Haven't Been to the Dentist in the Past Year	8%
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	6%
Heavy Drinker	6%
Not a Heavy Drinker	5%

**Table 59 (continued)**  
**COPD Prevalence for Selected Health Behaviors and Conditions,**  
**2011-2012**

<b>Health Behavior or Condition</b>	<b>% with COPD</b>
< 3 Sweetened Beverages per Day	5%
3+ Sweetened Beverages per Day	9%
Good/Very Good/Excellent Health Status	3%
Fair/Poor Health Status	20%
Physical Health Not Good for 0-29 Days of the Past 30	4%
Physical Health Not Good for 30 Days of the Past 30	21%
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	13%
Usual Activities Unattainable for 0-9 Days of the Past 30	4%
Usual Activities Unattainable for 10-30 Days of the Past 30	21%
Physical, Mental, or Emotional Problems	15%
No Physical, Mental, or Emotional Problems	2%
Disability with Special Equipment Needed	20%
No Disability with Special Equipment Needed	4%
Heard of "Healthy South Dakota" Program	5%
Not Heard of "Healthy South Dakota" Program	5%
Injured in a Fall in Past 12 Months (45+)	18%
Not Injured in a Fall in Past 12 Months (45+)	6%
Been Tested for HIV (18-64)	6%
Never Been Tested for HIV (18-64)	5%

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