

# Arthritis

## ARTHRITIS

**Definition:** Respondents who answered “yes” to the question “have you ever been told by a doctor or other health professional that you have some form of arthritis, rheumatoid arthritis, gout, lupus, or fibromyalgia?”

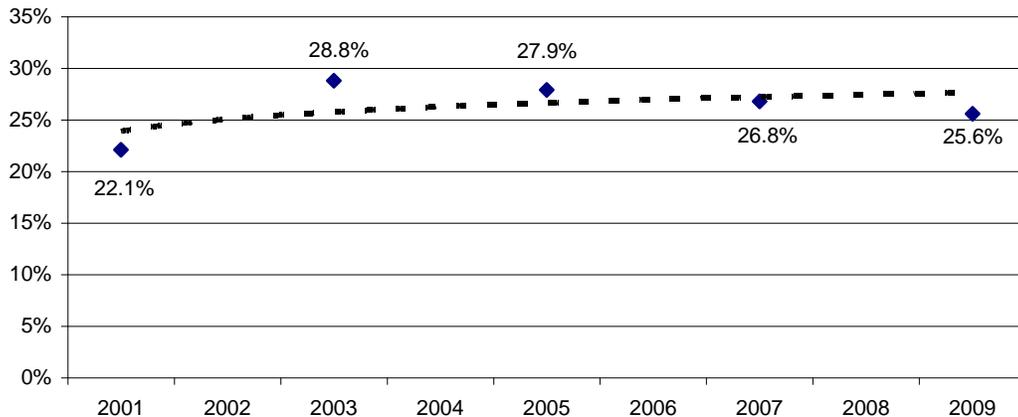
### Prevalence of Arthritis

- South Dakota 23%
- Nationwide median 24%

### Healthy People 2020 Objective

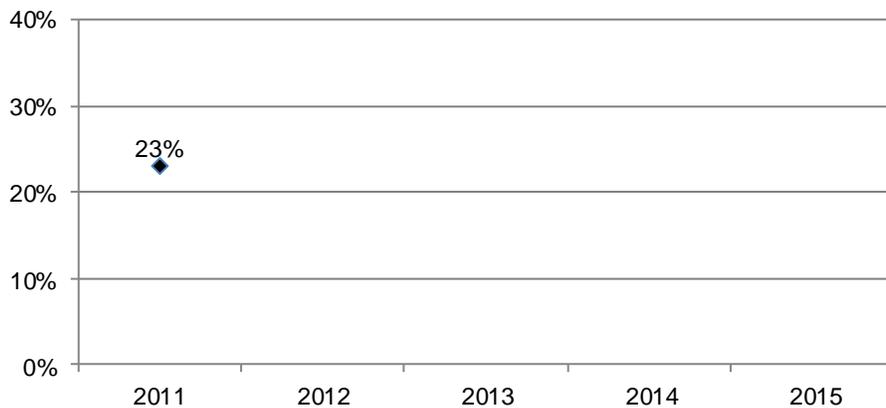
There was no comparable Healthy People 2020 Objective for having arthritis.

**Figure 77**  
**Percent of Respondents Who Were Told They Have Arthritis, 2001, 2003, 2005, 2007, and 2009**



Source: The Behavioral Risk Factor Surveillance System, South Dakota Department of Health, 2001, 2003, 2005, 2007, and 2009

**Figure 78**  
**Percent of Respondents Who Were Told They Have Arthritis, 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 52  
Respondents Who Were Told They Have Arthritis, 2011**

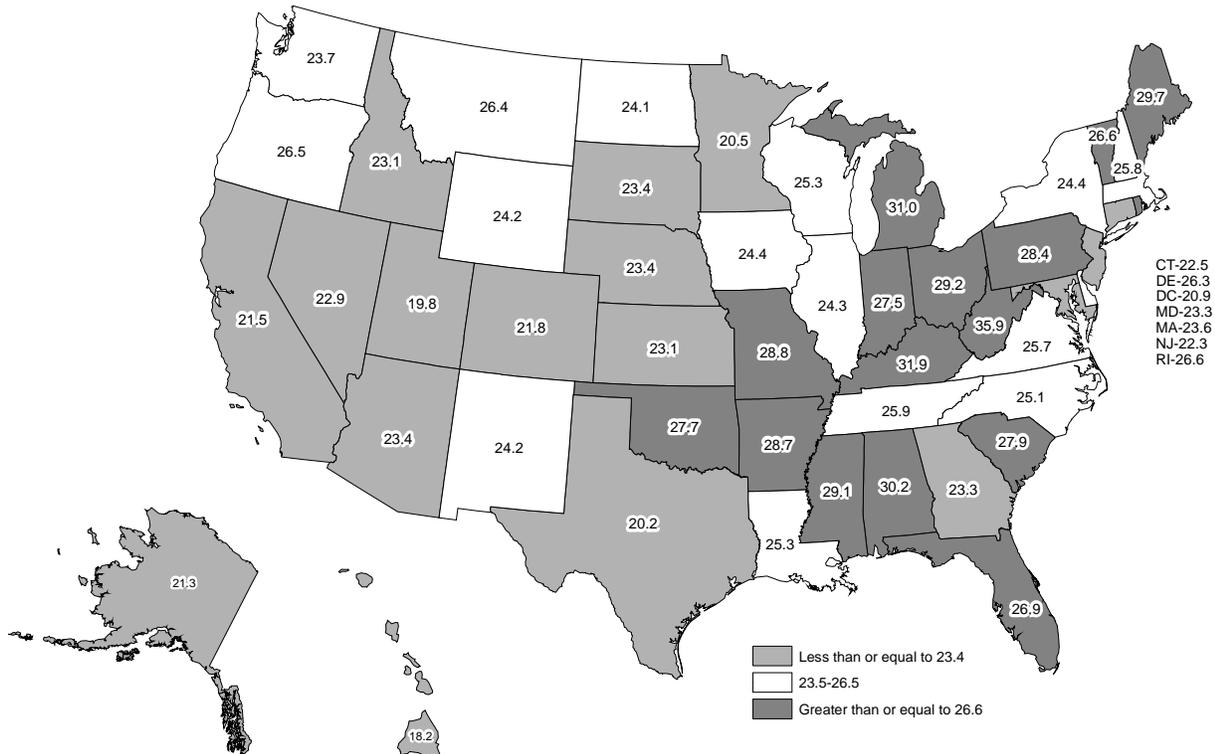
		# Resp.	% Arthritis	95% CI	
				Lower	Upper
<b>Total</b>		<b>8,218</b>	<b>23%</b>	<b>22%</b>	<b>25%</b>
<b>Gender</b>	Male	3,306	20%	17%	22%
	Female	4,912	27%	25%	30%
<b>Age</b>	18-44	2,214	8%	6%	11%
	45-64	3,221	30%	27%	33%
	65+	2,735	48%	45%	52%
<b>Race</b>	White	7,064	24%	22%	26%
	American Indian	854	23%	17%	31%
<b>Ethnicity</b>	Hispanic	106	17%	8%	33%
	Non-Hispanic	8,100	24%	22%	25%
<b>Household Income</b>	Less than \$25,000	2,003	32%	28%	35%
	\$25,000-\$49,999	2,105	24%	20%	27%
	\$50,000+	2,900	17%	15%	19%
<b>Education</b>	High School, G.E.D., or Less	3,215	28%	25%	31%
	Some Post-High School	2,404	22%	19%	25%
	College Graduate	2,585	17%	15%	20%
<b>Employment Status</b>	Employed for Wages	3,639	15%	13%	17%
	Self-employed	887	22%	17%	27%
	Unemployed	343	17%	12%	23%
	Homemaker	460	23%	17%	31%
	Student	184	3%	1%	6%
	Retired	2,301	48%	44%	52%
	Unable to Work	392	59%	49%	68%
<b>Marital Status</b>	Married/Unmarried Couple	4,785	23%	21%	26%
	Divorced/Separated	1,086	35%	30%	40%
	Widowed	1,245	49%	44%	54%
	Never Married	1,090	9%	7%	12%
<b>Home Ownership Status</b>	Own Home	6,225	25%	23%	27%
	Rent Home	1,677	23%	20%	27%
<b>Children Status</b>	Children in Household (Ages 18-44)	1,510	9%	7%	12%
	No Children in Household (Ages 18-44)	701	7%	5%	11%
<b>Phone Status</b>	Landline	7,215	26%	24%	28%
	Cell Phone	1,003	10%	8%	11%

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

### **National Statistics**

The national median for respondents who have arthritis is 24 percent, as shown in Figure 79 on the next page. South Dakota had 23.4 percent of respondents who were told they have arthritis. Hawaii had the lowest percent of respondents who have arthritis with 18.2 percent, while West Virginia had the highest with 35.9 percent.

**Figure 79**  
**Nationally, Respondents Who Were Told They Have Arthritis, 2011**



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

**Further Analysis**

Following are data illustrating the percent of those who have arthritis for various health behaviors and conditions. For example, 18 percent of respondents who stated they have drunk alcohol in the past 30 days have arthritis, while 32 percent of respondents who have not drunk alcohol in the past 30 days have arthritis.

Health Behavior or Condition	# Respondents	% with Arthritis	95% CI	
			Lower	Upper
Underweight (BMI < 18.5)	104	26%	10%	53%
Recommended (BMI = 18.5-24.9)	2,463	18%	15%	21%
Overweight (BMI = 25.0-29.9)	2,932	24%	21%	27%
Obese - Class I (BMI = 30.0-34.9)	1,509	30%	26%	35%
Obese - Classes II & III (BMI = 35.0+)	775	31%	26%	37%
Leisure Time Exercise	5,774	21%	19%	23%
No Leisure Time Exercise	2,232	31%	27%	35%
Meet Aerobic Recommendations	3,733	21%	18%	23%
Did Not Meet Aerobic Recommendations	4,071	26%	24%	29%
At Least Five Servings of Fruits and Vegetables	1,039	23%	19%	27%
Less Than Five Servings of Fruits and Vegetables	6,967	24%	22%	25%

**Table 53 (continued)**  
**Arthritis Prevalence for Selected Health Behaviors and Conditions, 2011**

Health Behavior or Condition	# Respondents	% with Arthritis	95% CI	
			Lower	Upper
Current Smoker	1,472	23%	20%	28%
Former Smoker	2,464	33%	30%	37%
Never Smoked	4,253	19%	17%	21%
Smokeless Tobacco	406	19%	12%	29%
No Smokeless Tobacco	7,812	24%	22%	26%
Diabetes	1,000	49%	43%	55%
No Diabetes	7,211	21%	19%	23%
High Blood Pressure	3,214	39%	36%	42%
No High Blood Pressure	4,989	17%	15%	19%
High Blood Cholesterol	2,854	43%	39%	46%
No High Blood Cholesterol	4,025	22%	20%	24%
Flu Shot (65+)	1,867	51%	47%	56%
No Flu Shot (65+)	774	41%	34%	47%
Pneumonia Shot (65+)	1,743	54%	50%	58%
No Pneumonia Shot (65+)	812	37%	31%	43%
Drank Alcohol in Past 30 Days	4,225	18%	16%	20%
Did Not Drink Alcohol in Past 30 Days	3,678	32%	29%	35%
Binge Drinker	1,206	11%	8%	14%
Not a Binge Drinker	6,656	27%	25%	29%
Heavy Drinker	401	14%	10%	20%
Not a Heavy Drinker	7,436	24%	23%	26%
Always/Almost Always Wear Seat Belt	6,744	24%	23%	26%
Sometimes/Seldom/Never Wear Seat Belt	1,197	18%	15%	22%
Previously Had Heart Attack	565	47%	39%	54%
Never Had Heart Attack	7,620	22%	20%	24%
Have Angina or Coronary Heart Disease	534	59%	51%	66%
Do Not Have Angina or Coronary Heart Disease	7,618	22%	20%	23%
Previously Had a Stroke	304	57%	46%	67%
Never Had a Stroke	7,898	23%	21%	24%
Cancer	1,355	47%	42%	52%
No Cancer	6,832	20%	19%	22%
Skin Cancer	756	45%	39%	51%
No Skin Cancer	7,442	22%	20%	24%
Current Asthma	639	37%	31%	44%
Former Asthma	256	22%	13%	34%
Never Had Asthma	7,275	23%	21%	24%
COPD	558	52%	44%	59%
No COPD	7,634	22%	20%	23%
Depression	1,315	38%	33%	43%
No Depression	6,876	21%	19%	22%
Kidney Disease	249	54%	44%	65%
No Kidney Disease	7,949	23%	21%	25%
Vision Impairment	1,760	41%	36%	45%
No Vision Impairment	6,418	20%	18%	22%
Good/Very Good/Excellent Health Status	6,838	19%	17%	21%
Fair/Poor Health Status	1,371	49%	44%	54%
Physical Health Not Good for 0-29 Days of the Past 30	7,523	21%	20%	23%
Physical Health Not Good for 30 Days of the Past 30	545	58%	51%	66%
Mental Health Not Good for 0-19 Days of the Past 30	7,657	23%	21%	24%
Mental Health Not Good for 20-30 Days of the Past 30	431	36%	28%	44%
Usual Activities Unattainable for 0-9 Days of the Past 30	7,555	21%	20%	23%
Usual Activities Unattainable for 10-30 Days of the Past 30	582	49%	41%	56%

<b>Table 53 (continued)</b>				
<b>Arthritis Prevalence for Selected Health Behaviors and Conditions, 2011</b>				
<b>Health Behavior or Condition</b>	<b># Respondents</b>	<b>% with Arthritis</b>	<b>95% CI</b>	
			<b>Lower</b>	<b>Upper</b>
Physical, Mental, or Emotional Problems	2,299	49%	45%	53%
No Physical, Mental, or Emotional Problems	5,664	15%	14%	17%
Disability with Special Equipment Needed	818	56%	48%	63%
No Disability with Special Equipment Needed	7,157	21%	19%	23%
Been Tested for HIV (18-64)	1,576	20%	17%	24%
Never Been Tested for HIV (18-64)	6,134	24%	23%	26%

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