

Immunization

FLU SHOT

Definition: South Dakotans ages 65 and older who have had an influenza vaccination within the past 12 months.

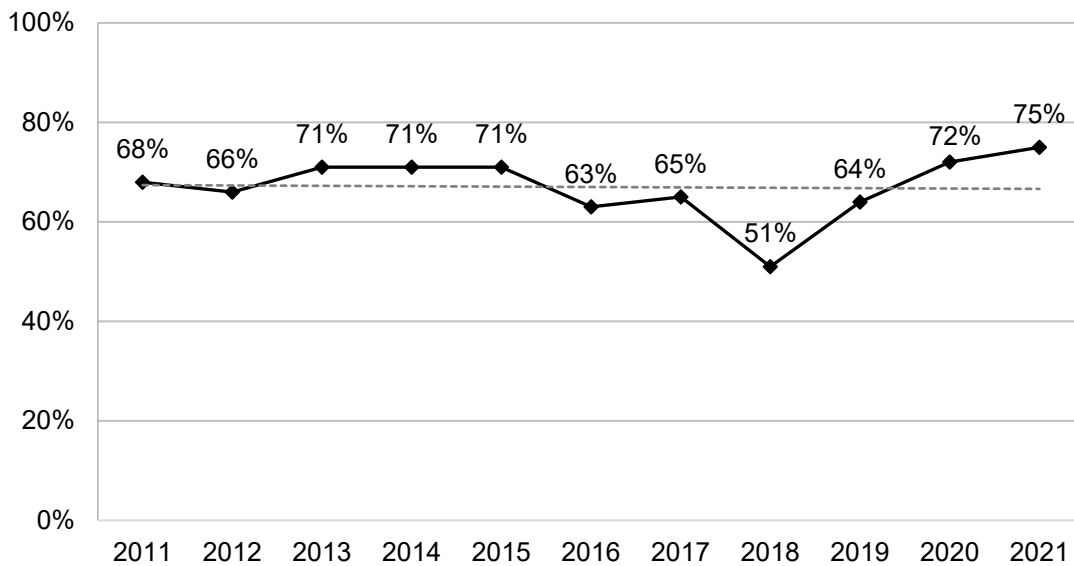
Prevalence of Flu Shot

- South Dakota 75%
- Nationwide median 69%

Trend Analysis

Overall, the percent of South Dakotans ages 65 and older who have had a flu vaccine within the past 12 months has fluctuated quite a bit the past five years. It dropped to a low of 51 percent in 2018, but has rebounded the past few years to a high of 75 percent in 2021. South Dakota has a higher percentage than the nationwide median of 69 percent.

Figure 30
Percentage of South Dakotans, Ages 65 and Older, Who Have Had a Flu Shot Within the Past 12 Months, 2011-2021



Source: The Behavioral Risk Factor Surveillance System, South Dakota Department of Health, 2011-2021

Table 28
South Dakotans, Ages 65 and Older, Who Have Had a Flu Shot Within the Past 12 Months,
2017-2021

		2017-2021	95% Confidence Interval	
			Low	High
Gender	Male	65%	62.8%	67.9%
	Female	66%	63.7%	68.0%
Age	18-29	-		
	30-39	-		
	40-49	-		
	50-59	-		
	60-69	61%	57.6%	63.7%
	70-79	67%	64.6%	69.3%
	80+	70%	66.6%	73.4%
Race Ethnicity	White, Non-Hispanic	66%	64.0%	67.4%
	American Indian, Non-Hispanic	56%	48.0%	64.2%
	American Indian/White, Non-Hispanic	*	*	*
	Hispanic	84%	69.7%	92.2%
Household Income	Less than \$35,000	60%	56.6%	63.0%
	\$35,000-\$74,999	70%	67.2%	72.9%
	\$75,000+	69%	64.7%	72.2%
Education	Less than High School, G.E.D.	65%	58.7%	71.7%
	High School, G.E.D.	63%	59.9%	65.8%
	Some Post-High School	66%	62.9%	68.8%
	College Graduate	70%	66.8%	72.1%
Employment Status	Employed for Wages	61%	56.1%	66.3%
	Self-employed	51%	44.9%	56.9%
	Unemployed	64%	46.6%	78.6%
	Homemaker	65%	55.9%	73.5%
	Student	*	*	*
	Retired	68%	66.3%	70.1%
	Unable to Work	69%	58.4%	77.2%
Marital Status	Married/Unmarried Couple	66%	64.2%	68.6%
	Divorced/Separated	55%	50.0%	60.1%
	Widowed	69%	65.8%	71.7%
	Never Married	67%	59.8%	73.8%
Home Ownership Status	Own Home	66%	64.3%	67.9%
	Rent Home	62%	57.7%	67.0%
Children Status	Children in Household (Ages 18-44)	-		
	No Children in Household (Ages 18-44)	-		
Phone Status	Landline	68%	65.6%	69.6%
	Cell Phone	63%	60.6%	66.1%
Pregnancy Status	Pregnant (Ages 18-44)	-		
	Not Pregnant (Ages 18-44)	-		
County	Minnehaha	70%	65.6%	73.3%
	Pennington	63%	58.9%	66.4%
	Lincoln	71%	63.3%	76.9%
	Brown	66%	61.9%	69.5%
	Brookings	72%	67.7%	75.2%
	Codington	69%	65.1%	72.7%
	Meade	57%	51.7%	62.0%

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

Source: The Behavioral Risk Factor Surveillance System, South Dakota Department of Health, 2017-2021

Demographics

Gender	The prevalence of getting a flu shot does not seem to differ by gender.
Age	The prevalence of getting a flu shot increases as age increases. This includes a significant increase as the 70s are reached.
Race/ Ethnicity	Hispanics demonstrate a very high prevalence of getting a flu shot, while whites and American Indians show a very low prevalence.
Household Income	The prevalence of getting a flu shot does not seem to consistently change as household income increases.
Education	The prevalence of getting a flu shot does not seem to consistently change as education levels increase.
Employment	Those who are retired or unable to work demonstrate a very high prevalence of getting a flu shot, while those who are self-employed show a very low prevalence.
Marital Status	Those who are married or widowed exhibit a very high prevalence of getting a flu shot, while those who are divorced show a very low prevalence.
Home Ownership	The prevalence of getting a flu shot does not seem to differ based on home ownership status.
Phone Status	The prevalence of getting a flu shot does not seem to differ based on phone status.
County	Minnehaha, Lincoln, Brookings, and Codington counties all demonstrate a very high prevalence of getting a flu shot, while Pennington and Meade counties show a very low prevalence.

PNEUMONIA SHOT

Definition: South Dakotans, ages 65 and older, who have ever had a pneumonia vaccination.

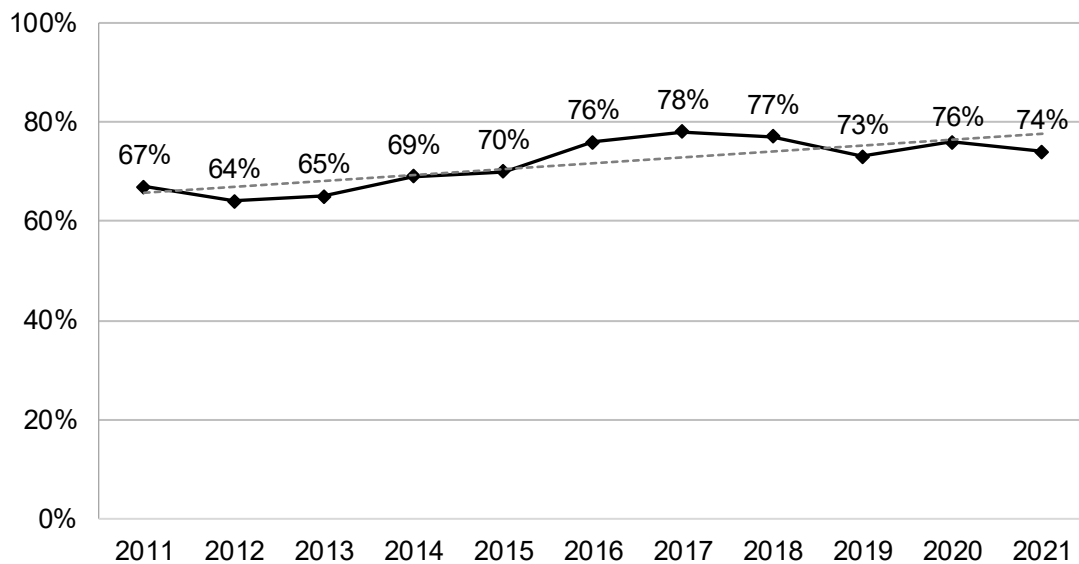
Prevalence of Pneumonia Shot

- South Dakota 74%
- Nationwide median 71%

Trend Analysis

Overall, the percent of South Dakotans ages 65 and older who have ever had a pneumonia vaccine has been increasing since 2011, however in 2021 this fell slightly to 74 percent. South Dakota has a higher percentage than the nationwide median of 71 percent.

Figure 31
Percentage of South Dakotans, Ages 65 and Older, Who Have Had a Pneumonia Shot, 2011-2021



Source: The Behavioral Risk Factor Surveillance System, South Dakota Department of Health, 2011-2021

Table 29
South Dakotans, Ages 65 and Older, Who Have Ever Had a Pneumonia Shot, 2017-2021

		2017-2021	95% Confidence Interval	
			Low	High
Gender	Male	72%	69.5%	74.5%
	Female	79%	76.8%	80.5%
Age	18-29	-	-	-
	30-39	-	-	-
	40-49	-	-	-
	50-59	-	-	-
	60-69	66%	63.0%	69.1%
	70-79	81%	78.6%	82.6%
	80+	79%	75.9%	82.2%
Race/Ethnicity	White, Non-Hispanic	76%	74.2%	77.4%
	American Indian, Non-Hispanic	71%	63.0%	78.2%
	American Indian/White, Non-Hispanic	*	*	*
	Hispanic	81%	60.0%	92.4%
Household Income	Less than \$35,000	74%	71.1%	76.9%
	\$35,000-\$74,999	78%	75.5%	81.0%
	\$75,000+	75%	71.5%	78.8%
Education	Less than High School, G.E.D.	75%	68.2%	80.4%
	High School, G.E.D.	75%	71.9%	77.2%
	Some Post-High School	75%	72.4%	78.0%
	College Graduate	78%	75.4%	80.5%
Employment Status	Employed for Wages	66%	61.0%	71.1%
	Self-employed	62%	56.1%	67.7%
	Unemployed	70%	51.4%	83.7%
	Homemaker	75%	64.8%	82.9%
	Student	*	*	*
	Retired	79%	77.3%	80.8%
	Unable to Work	76%	65.7%	84.1%
Marital Status	Married/Unmarried Couple	76%	73.8%	77.9%
	Divorced/Separated	69%	63.9%	73.8%
	Widowed	78%	75.0%	80.8%
	Never Married	80%	74.3%	85.1%
Home Ownership Status	Own Home	76%	74.5%	77.8%
	Rent Home	71%	66.6%	75.6%
Children Status	Children in Household (Ages 18-44)	-	-	-
	No Children in Household (Ages 18-44)	-	-	-
Phone Status	Landline	78%	75.9%	79.6%
	Cell Phone	73%	70.5%	75.6%
Pregnancy Status	Pregnant (Ages 18-44)	-	-	-
	Not Pregnant (Ages 18-44)	-	-	-
County	Minnehaha	77%	73.0%	80.5%
	Pennington	77%	73.2%	80.0%
	Lincoln	76%	69.0%	82.6%
	Brown	78%	74.3%	81.0%
	Brookings	77%	73.6%	80.8%
	Codington	78%	73.7%	81.3%
	Meade	70%	65.4%	75.1%

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

Source: The Behavioral Risk Factor Surveillance System, South Dakota Department of Health, 2017-2021

Demographics

Gender	Females demonstrate a significantly higher prevalence of getting a pneumonia shot than males.
Age	The prevalence of getting a pneumonia shot peaks with people in their 70s.
Race/ Ethnicity	The prevalence of getting a pneumonia shot does not seem to differ based on race/ethnicity.
Household Income	The prevalence of getting a pneumonia shot does not seem to consistently change as household income increases.
Education	The prevalence of getting a pneumonia shot does not seem to consistently change as education levels increase.
Employment	Those who are retired demonstrate a very high prevalence of getting a pneumonia shot, while those who are employed for wages or self-employed show a very low prevalence.
Marital Status	Those who are widowed or have never been married exhibit a very high prevalence of getting a pneumonia shot, while those who are divorced show a very low prevalence.
Home Ownership	The prevalence of getting a pneumonia shot does not seem to differ based on home ownership status.
Phone Status	Those who primarily use a landline phone demonstrate a significantly higher prevalence of getting a pneumonia shot than those who primarily use a cell phone.
County	The prevalence of getting a pneumonia shot does not seem to differ among the available counties.