

# IMMUNIZATION

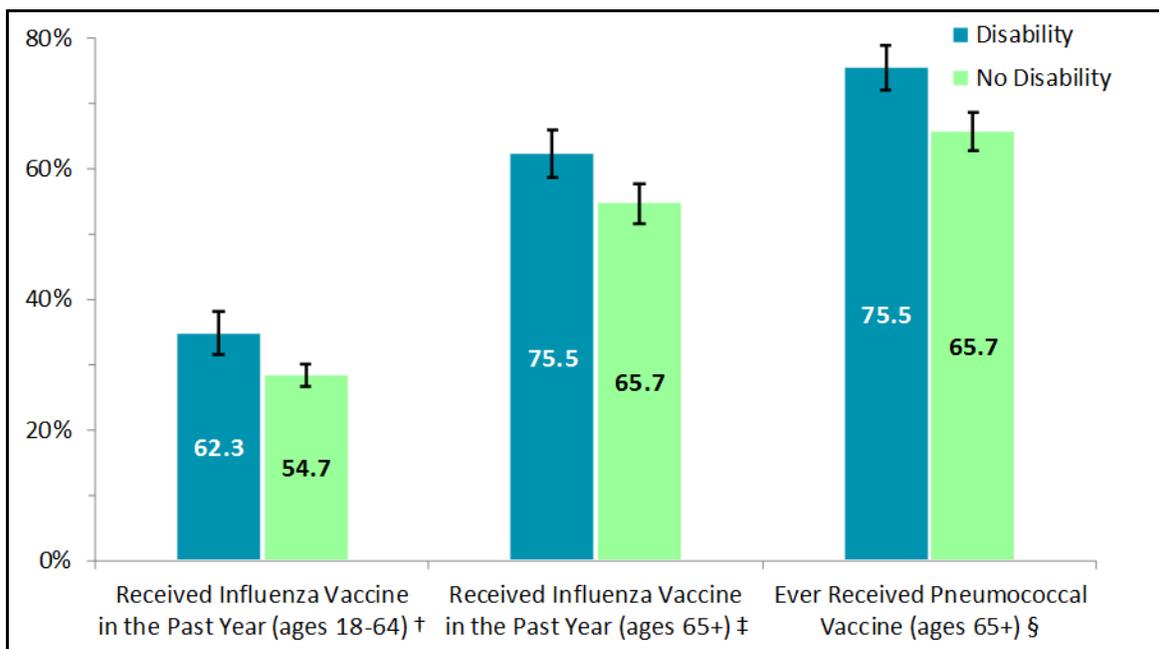
Montana BRFSS, 2012

In 2012, 29.7% of adults ages 18 to 64 had received a seasonal influenza vaccination in the previous year; 57.5% of adults ages 65 years and older had received a seasonal influenza vaccination in the previous year. An estimated 69.5% of adults ages 65 years and older had received a pneumonia vaccination during their lifetime.

## Sociodemographic Trends

- ◆ Among adults ages 18 to 64, women reported receiving an influenza vaccination in the past year more often than men.
- ◆ Among adults ages 18 to 64, the prevalence of receiving a flu vaccine in the previous year increased with increasing age, education, and household income levels.
- ◆ The prevalence of receiving a flu vaccination in the past year among adults ages 65 and older increased as household income levels increased.
- ◆ The prevalence of receiving a seasonal flu vaccination in the past year among adults ages 18 to 64 and adults ages 65 and older was significantly higher for adults with a disability than adults without a disability. The prevalence of ever receiving a pneumonia vaccination was significantly higher for adults with a disability than adults without a disability
- ◆ Among adults ages 18 to 64, American Indians/Alaska Natives reported receiving a flu vaccine in the previous year more often than all other race/ethnicities.
- ◆ The prevalence of receiving a flu vaccine in the past year among adults ages 18 to 64 was significantly higher in the South Central health planning region than the Northwest health planning region.

**Figure 11. Immunization by Disability Status, Montana BRFSS, 2012**



**Table 11: Immunization, Montana Adults, 2012**

	Received Influenza Vaccine in Past Year (ages 18-64) †				Received Influenza Vaccine in Past Year (ages 65+) ‡				Ever Received Pneumococcal Vaccine (ages 65+) §			
	95% CI				95% CI				95% CI			
	Wt.	LL	UL	UnWt. N	Wt. %	LL	UL	UnWt. N	Wt. %	LL	UL	UnWt. N
<b>All Adults:</b>	<b>29.7</b>	28.2	31.2	1,897	<b>57.5</b>	55.2	59.9	1,598	<b>69.5</b>	67.2	71.7	1,880
<b>Sex:</b>												
Male	<b>24.8</b>	22.8	26.8	731	<b>56.8</b>	53.1	60.4	639	<b>66.3</b>	62.6	69.8	706
Female	<b>34.8</b>	32.6	36.9	1,166	<b>58.2</b>	55.1	61.2	959	<b>72.1</b>	69.2	74.8	1,174
<b>Age:</b>												
18 - 24	<b>21.9</b>	17.5	26.2	112								
25 - 34	<b>26.4</b>	23.1	29.7	265								
35 - 44	<b>27.9</b>	24.3	31.4	263	Not Applicable				Not Applicable			
45 - 54	<b>29.2</b>	26.3	32.0	471								
55 - 64	<b>39.7</b>	36.9	42.5	786								
65+	Not Applicable				<b>57.5</b>	55.2	59.9	1,598	<b>69.5</b>	67.2	71.7	1,880
<b>Education:</b>												
<High School	<b>19.1</b>	13.7	24.4	76	<b>59.9</b>	51.6	67.6	138	<b>66.3</b>	58.0	73.7	153
High School	<b>25.1</b>	22.6	27.7	482	<b>57.6</b>	53.7	61.4	597	<b>70.0</b>	66.2	73.5	707
Some College	<b>30.8</b>	28.1	33.5	574	<b>56.6</b>	52.0	61.1	408	<b>70.6</b>	66.1	74.7	504
College Degree +	<b>62.9</b>	34.5	39.8	762	<b>57.5</b>	53.2	61.8	452	<b>68.9</b>	64.6	72.9	513
<b>Income:</b>												
<\$15,000	<b>27.7</b>	23.3	32.1	220	<b>48.2</b>	41.1	55.4	178	<b>68.0</b>	60.8	74.4	230
\$15,000 - \$24,999	<b>26.6</b>	22.8	30.3	267	<b>54.3</b>	49.4	59.2	352	<b>71.1</b>	66.2	75.6	466
\$25,000 - \$49,999	<b>28.5</b>	25.7	31.4	463	<b>57.9</b>	53.6	62.1	493	<b>70.0</b>	65.7	73.9	567
\$50,000 - \$74,999	<b>32.1</b>	28.3	35.9	324	<b>62.0</b>	54.6	68.9	160	<b>70.5</b>	63.1	76.9	179
\$75,000 +	<b>33.9</b>	30.8	37.1	486	<b>64.6</b>	57.0	71.5	155	<b>64.1</b>	56.1	71.5	149
<b>Race/Ethnicity:</b>												
White, non-Hispanic	<b>29.7</b>	28.1	31.3	1,606	<b>57.6</b>	55.2	60.1	1,453	<b>69.6</b>	67.2	71.9	1,710
AI/AN*	<b>38.7</b>	31.9	45.4	200	<b>NSD<sup>Δ</sup></b>			62	<b>NSD<sup>Δ</sup></b>			77
Other or Hispanic**	<b>21.5</b>	14.9	28.1	81	<b>NSD<sup>Δ</sup></b>			61	<b>NSD<sup>Δ</sup></b>			69
<b>Disability:</b>												
Disability	<b>34.8</b>	31.5	38.1	529	<b>62.3</b>	58.6	66.0	653	<b>75.5</b>	72.0	78.8	803
No Disability	<b>28.4</b>	26.7	30.1	1,362	<b>54.7</b>	51.6	57.7	940	<b>65.7</b>	62.7	68.7	1,070
<b>Region:</b>												
1- Eastern MT	<b>31.1</b>	26.6	35.6	224	<b>57.2</b>	50.1	64.0	173	<b>67.4</b>	60.2	73.8	204
2- N Central MT	<b>31.5</b>	27.9	35.0	466	<b>52.7</b>	47.5	57.8	358	<b>66.4</b>	61.1	71.3	401
3- S Central MT	<b>33.7</b>	30.0	37.5	311	<b>63.2</b>	57.7	68.4	255	<b>75.9</b>	70.7	80.5	314
4- Southwest MT	<b>29.9</b>	26.8	32.9	335	<b>59.5</b>	54.4	64.5	260	<b>69.4</b>	64.3	74.1	298
5- Northwest MT	<b>25.6</b>	23.0	28.1	533	<b>56.6</b>	52.3	60.8	535	<b>67.4</b>	63.1	71.4	636

† Have you had a flu shot in the past year (ages 18 to 64)? Total Sample Size: 5,699, Weighted Prevalence Estimate: 179,700.

‡ Have you had a flu shot in the past year (age 65 years and older)? Total Sample Size: 2,779, Weighted Prevalence Estimate: 90,500.

§ Have you ever had a pneumonia vaccination (age 65 years and older)? Total Sample Size: 2,674, Weighted Prevalence Estimate: 104,900.

\* American Indian or Alaska Native only.

\*\* All other non-White (including multi-racial or Hispanic).

Δ Not Sufficient Data to report a reliable estimate.