

Percentage of persons aged ≥65 years who reported receiving influenza vaccine or pneumococcal vaccine, by reporting area and race/ethnicity* – Behavioral Risk Factor Surveillance System (BRFSS), 50 states and the District of Columbia, 1997 and 1999 combined

Reporting area	Received influenza vaccine during previous 12 mos						Ever received pneumococcal vaccine								
	Non-Hispanic white		Non-Hispanic black		Hispanic		Non-Hispanic white		Non-Hispanic black		Hispanic				
	%	(95% CI) ¹	%	(95% CI)	%	(95% CI)	%	(95% CI)	%	(95% CI)	%	(95% CI)			
New England															
Maine	73.0	(±3.8)	§		§		53.5	(±4.1)	§		§				
New Hampshire	65.2	(±4.7)	§		§		55.6	(±4.9)	§		§				
Vermont	71.8	(±2.8)	§		§		54.0	(±3.2)	§		§				
Massachusetts	68.3	(±3.5)	§		§		56.0	(±3.8)	§		§				
Rhode Island	72.6	(±3.2)	§		§		50.7	(±3.5)	§		§				
Connecticut	66.1	(±3.6)	§		§		46.7	(±3.9)	§		§				
Total	68.5	(±1.9)		60.6	(±13.8)		59.5	(±15.1)		52.9	(±2.1)	35.3	(±13.9)	33.4	(±12.6)
Middle Atlantic															
New York	66.6	(±3.4)	§		§		46.9	(±3.8)	§		§		33.5	(±15.8) [¶]	
New Jersey	64.0	(±3.5)	§		§		46.3	(±3.6)	§		§		29.3	(±16.4) [¶]	
Pennsylvania	65.7	(±2.8)	§		§		50.9	(±3.1)	§		§		39.5	(±12.7)	
Total	65.8	(±1.9)		41.6	(±8.3)		63.0	(±11.7)		48.2	(±2.1)	32.8	(±8.2)	36.7	(±11.7)
East North Central															
Ohio	67.4	(±3.5)	§		§		47.2	(±3.9)	§		§		42.4	(±12.2)	
Indiana	65.2	(±4.9)	§		§		45.6	(±5.2)	§		§		29.5	(±15.7) [¶]	
Illinois	69.3	(±4.7)	§		§		47.6	(±5.1)	§		§		40.8	(±15.1)	
Michigan	69.2	(±3.5)	§		§		53.8	(±3.9)	§		§		31.6	(±11.8)	
Wisconsin	65.6	(±3.8)	§		§		49.4	(±4.1)	§		§				
Total	67.5	(±1.8)		54.7	(±7.0)		48.9	(±1.9)		37.0	(±6.9)	35.0	(±16.8)[¶]		
West North Central															
Minnesota	66.7	(±2.4)	§		§		50.1	(±2.5)	§		§				
Iowa	69.8	(±2.5)	§		§		56.6	(±2.8)	§		§				
Missouri	70.6	(±3.3)	§		§		49.9	(±3.8)	§		§		30.2	(±14.7)	
North Dakota	65.8	(±3.4)	§		§		48.1	(±3.5)	§		§				
South Dakota	69.4	(±2.8)	§		§		45.2	(±3.5)	§		§				
Nebraska	67.8	(±2.8)	§		§		52.8	(±3.0)	§		§				
Kansas	65.9	(±3.2)	§		§		50.1	(±3.3)	§		§		42.5	(±18.3) [¶]	
Total	68.4	(±1.3)		47.3	(±10.6)		62.1	(±11.8)		51.1	(±1.5)	34.2	(±10.4)	43.9	(±13.0)
South Atlantic															
Delaware	69.4	(±3.6)	§		§		60.9	(±3.9)	§		§		49.2	(±13.4)	
Maryland	67.4	(±3.5)	§		§		51.1	(±3.7)	§		§		36.0	(±8.9)	
District of Columbia	67.7	(±9.0)	§		§		43.4	(±9.6)	§		§		28.7	(±5.1)	
Virginia	70.1	(±3.8)	§		§		58.6	(±4.2)	§		§		30.5	(±9.3)	

West Virginia	60.8 (±3.1)	53.6 (±18.9) [¶]	§	47.9 (±3.2)	50.0(±19.1) [¶]	§
North Carolina	67.7 (±3.2)	46.5 (±7.8)	§	58.4 (±3.4)	36.0 (±7.7)	§
South Carolina	74.3 (±3.3)	65.6 (±15.5)	§	54.5 (±3.8)	29.2 (±7.3)	§
Georgia	64.6 (±4.5)	34.5 (±9.6)	§	54.9 (±4.9)	27.9 (±9.7)	§
Florida	66.2 (±2.6)	43.3 (±10.7)	44.1 (±8.6)	53.0 (±2.6)	34.1 (±9.9)	27.1 (±7.4)
Total	67.0 (±1.4)	46.2(±3.6)	44.9 (±7.4)	54.3 (±1.4)	32.6 (±3.5)	29.1 (±6.5)
East South Central						
Kentucky	65.8 (±2.4)	46.0 (±11.4)	§	46.0 (±2.6)	33.5 (±11.8)	§
Tennessee	70.3 (±3.2)	46.3 (±10.0)	§	52.2 (±3.5)	32.4 (±10.2)	§
Alabama	65.4 (±3.8)	56.4 (±8.8)	§	54.6 (±4.0)	32.0 (±8.1)	§
Mississippi	68.0 (±4.4)	43.6 (±8.4)	§	56.8 (±4.6)	21.6 (±6.8)	§
Total	67.6 (±1.7)	49.2 (±4.9)	§	51.8 (±1.8)	29.3 (±4.6)	42.8 (±16.3)
West South Central						
Arkansas	66.8 (±3.5)	42.3 (±12.3)	§	46.0 (±3.7)	30.8 (±12.2)	§
Louisiana	62.0 (±4.9)	48.3 (±10.2)	§	38.1 (±4.8)	27.8 (±10.2)	§
Oklahoma	72.6 (±2.9)	34.2 (±13.8)	§	48.3 (±3.2)	27.9 (±15.0) [¶]	§
Texas	72.0 (±3.4)	51.2 (±15.5)	57.9 (±10.7)	54.7 (±3.9)	25.8(±13.1)	30.4 (±9.7)
Total	70.2 (±2.2)	47.6 (±7.6)	59.5 (±9.7)	50.5 (±2.5)	27.4 (±6.9)	31.8 (±8.9)
Mountain						
Montana	70.5 (±3.7)	§	§	56.3 (±4.1)	§	§
Idaho	68.0 (±2.6)	§	§	53.2 (±2.8)	§	§
Wyoming	74.0 (±3.4)	§	§	56.7 (±3.8)	§	§
Colorado	76.0 (±3.9)	§	68.7 (±15.4)	60.7 (±4.5)	§	45.5 (±15.9)
New Mexico	73.7 (±3.6)	§	64.3 (±6.6)	54.5 (±4.4)	§	47.0 (±7.1)
Arizona	73.8 (±4.1)	§	52.9 (±18.4)	57.5 (±4.7)	§	40.7 (±18.5)
Utah	72.1 (±3.7)	§	§	55.6 (±4.2)	§	§
Nevada	62.3 (±6.9)	§	§	58.8 (±7.3)	§	46.2 (±11.2) [¶]
Total	72.3 (±2.1)	47.5 (±20.9)	61.0 (±6.6)	57.4 (±2.1)	41.2 (±19.8)	45.1 (±6.8)
Pacific						
Washington	70.1 (±2.9)	§	§	53.8 (±3.3)	§	§
Oregon	68.2 (±3.4)	§	§	56.5 (±3.6)	§	§
California	70.0 (±2.9)	56.4 (±15.1) [¶]	60.8 (±9.8)	57.7 (±3.2)	38.3(±14.9) [¶]	33.1 (±8.8)
Alaska	56.6 (±9.3)	§	§	39.9 (±9.0)	§	§
Hawaii	63.8 (±8.4)	§	67.5 (±14.9) [¶]	56.1 (±8.6)	§	42.1 (±17.3) [¶]
Total	69.4 (±2.1)	55.4 (±14.1)	61.2 (±9.3)	56.8 (±2.3)	40.1 (±13.9)	33.8 (±8.4)

*Data are presented only for non-Hispanic whites, non-Hispanic blacks, and Hispanics because numbers for other racial/ethnic groups were too small for meaningful analysis. Persons of Hispanic origin can be of any race; however, the racial/ethnic groups non-Hispanic white and non-Hispanic black do not include persons of Hispanic origin.

[†]Confidence interval. 95% CIs were calculated by multiplying the standard error by ±1.96.

[§]The standard of reliability is RSE <0.3 (where RSE = the ratio of the standard error and the prevalence). This estimate did not meet that standard, or the denominator was <30.

[¶]Meets the standard of reliability; however, <50 respondents were in the denominator.