

**Percentage of persons aged  $\geq 18$  years who reported receiving influenza vaccine by reporting areas, age group and race/ethnicity - Behavioral Risk Factor Surveillance System (BRFSS), 50 states and the District of Columbia, 2001 and 2002 combined**

| Reporting Area              | 18-49 years |             |            | 50-64 years |             |            | 65 years and older |             |            |
|-----------------------------|-------------|-------------|------------|-------------|-------------|------------|--------------------|-------------|------------|
|                             | White<br>nH | Black<br>nH | Hispanic   | White<br>nH | Black<br>nH | Hispanic   | White<br>nH        | Black<br>nH | Hispanic   |
|                             | % (95% CI)  | % (95% CI)  | % (95% CI) | % (95% CI)  | % (95% CI)  | % (95% CI) | % (95% CI)         | % (95% CI)  | % (95% CI) |
| <b>TOTAL</b>                | 18.7±0.3    | 19.7±0.8    | 17.0±0.9   | 37.3±0.5    | 29.3±1.8    | 31.1±2.6   | 68.1±0.5           | 49.4±2.5    | 57.1±4.4   |
| <b>ALABAMA</b>              | 18.4±1.9    | 20.8±3.8    | 28.3±12.4  | 38.2±3.5    | 30.6±6.2    | *          | 69.3±3.2           | 49.6±7.7    | *          |
| <b>ALASKA</b>               | 24.4±2.8    | 42.6±14.9   | 31.9±11.1  | 36.6±4.7    | *           | *          | 63.3±7.1           | *           | *          |
| <b>ARIZONA</b>              | 17.5±2.4    | *           | 17.3±4.3   | 34.0±3.9    | *           | 24.8±9.0   | 66.5±3.5           | *           | 52.9±12.0  |
| <b>ARKANSAS</b>             | 21.2±1.7    | 19.0±4.2    | 26.4±9.8   | 39.6±2.8    | 30.6±9.5    | 30.9±15.4  | 68.6±2.9           | 50.6±12.0   | *          |
| <b>CALIFORNIA</b>           | 16.6±1.6    | 18.8±5.4    | 14.7±2.2   | 37.0±3.0    | 32.9±11.2   | 29.6±6.6   | 72.0±2.7           | 63.7±14.0   | 64.4±11.6  |
| <b>COLORADO</b>             | 20.7±1.8    | 24.9±11.9   | 18.8±3.5   | 45.9±3.5    | 39.1±21.8   | 28.1±8.9   | 79.6±3.2           | *           | 54.4±17.6  |
| <b>CONNECTICUT</b>          | 19.1±1.3    | 21.8±5.8    | 22.9±4.3   | 38.2±2.2    | 26.3±9.1    | 56.6±11.8  | 71.0±2.2           | 56.0±12.9   | 60.5±13.6  |
| <b>DELAWARE</b>             | 19.7±1.9    | 21.9±4.5    | 18.2±7.1   | 39.6±3.3    | 36.3±9.5    | 53.8±28.1  | 71.8±2.9           | 56.2±11.7   | *          |
| <b>DISTRICT OF COLUMBIA</b> | 22.9±2.8    | 21.0±3.3    | 16.1±8.4   | 48.6±5.7    | 24.3±4.6    | 36.4±18.7  | 65.6±7.0           | 53.7±5.7    | *          |
| <b>FLORIDA</b>              | 14.3±1.4    | 17.2±3.6    | 12.0±2.7   | 29.9±2.3    | 20.2±6.4    | 19.2±6.0   | 59.1±2.3           | 36.0±9.2    | 41.8±8.1   |
| <b>GEORGIA</b>              | 16.3±1.4    | 18.0±2.4    | 14.2±7.6   | 34.8±2.9    | 24.7±5.4    | *          | 66.8±3.2           | 39.5±7.1    | *          |
| <b>HAWAII</b>               | 25.1±2.8    | 50.1±11.3   | 27.6±6.0   | 31.4±4.0    | *           | 38.0±13.3  | 67.7±4.5           | *           | 87.2±13.0  |
| <b>IDAHO</b>                | 17.8±1.3    | *           | 14.0±4.5   | 35.4±2.5    | *           | 48.6±15.3  | 65.3±2.5           | *           | *          |

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| Reporting Area       | 18-49 years |             |            | 50-64 years |             |            | 65 years and older |             |            |
|----------------------|-------------|-------------|------------|-------------|-------------|------------|--------------------|-------------|------------|
|                      | White<br>nH | Black<br>nH | Hispanic   | White<br>nH | Black<br>nH | Hispanic   | White<br>nH        | Black<br>nH | Hispanic   |
|                      | % (95% CI)  | % (95% CI)  | % (95% CI) | % (95% CI)  | % (95% CI)  | % (95% CI) | % (95% CI)         | % (95% CI)  | % (95% CI) |
| <b>ILLINOIS</b>      | 17.9±1.6    | 20.3±4.3    | 18.3±4.2   | 33.1±2.8    | 24.0±7.2    | 33.9±12.4  | 64.6±3.1           | 50.3±10.7   | *          |
| <b>INDIANA</b>       | 18.2±1.2    | 12.7±3.9    | 18.9±5.7   | 40.2±2.4    | 28.0±9.2    | *          | 67.1±2.5           | 51.5±14.4   | *          |
| <b>IOWA</b>          | 20.4±1.6    | 28.3±14.0   | 34.3±14.0  | 43.7±2.8    | *           | *          | 73.5±2.4           | *           | *          |
| <b>KANSAS</b>        | 20.5±1.4    | 22.4±6.0    | 15.2±3.9   | 39.5±2.5    | 32.5±14.3   | 37.3±14.0  | 69.5±2.4           | 45.7±16.9   | 57.8±18.9  |
| <b>KENTUCKY</b>      | 18.1±1.4    | 23.8±6.5    | 16.6±9.2   | 36.6±2.4    | 30.1±10.4   | 34.3±19.3  | 63.8±2.4           | 50.8±14.1   | 64.4±14.6  |
| <b>LOUISIANA</b>     | 17.2±1.4    | 19.7±2.4    | 19.5±7.6   | 29.1±2.6    | 21.8±3.9    | 29.4±13.8  | 61.3±2.9           | 41.2±5.7    | 50.6±21.3  |
| <b>MAINE</b>         | 21.0±1.9    | *           | *          | 42.2±3.2    | *           | *          | 72.6±3.2           | *           | *          |
| <b>MARYLAND</b>      | 21.0±1.6    | 19.7±3.1    | 29.2±8.5   | 42.4±2.9    | 31.0±6.0    | 31.0±17.9  | 70.0±3.1           | 56.0±10.0   | *          |
| <b>MASSACHUSETTS</b> | 19.2±1.2    | 25.2±5.6    | 25.3±3.6   | 37.5±2.1    | 46.9±13.1   | 38.3±8.3   | 72.4±2.0           | 53.1±12.8   | 69.2±11.1  |
| <b>MICHIGAN</b>      | 15.6±1.4    | 15.0±3.9    | 21.6±7.8   | 33.3±2.4    | 24.4±6.9    | 25.6±13.7  | 65.3±2.8           | 54.7±9.9    | *          |
| <b>MINNESOTA</b>     | 19.7±1.4    | 30.2±8.8    | 31.4±10.9  | 42.9±2.5    | *           | *          | 73.2±2.3           | *           | *          |
| <b>MISSISSIPPI</b>   | 19.7±1.8    | 19.2±2.7    | 25.0±11.5  | 37.9±3.1    | 24.2±4.6    | *          | 68.4±3.1           | 44.8±6.7    | *          |
| <b>MISSOURI</b>      | 20.6±1.7    | 24.8±7.4    | 20.8±10.8  | 41.3±3.1    | 35.4±14.2   | 39.8±20.1  | 70.1±2.9           | 49.7±15.1   | 47.4±22.4  |
| <b>MONTANA</b>       | 20.2±2.0    | *           | 21.4±10.0  | 41.1±3.2    | *           | 44.8±20.6  | 70.5±3.0           | *           | *          |

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|----------------|-------------|-------------|------------|-------------|-------------|------------|--------------------|-------------|------------|
|                | White<br>nH | Black<br>nH | Hispanic   | White<br>nH | Black<br>nH | Hispanic   | White<br>nH        | Black<br>nH | Hispanic   |
|                | % (95% CI)  | % (95% CI)  | % (95% CI) | % (95% CI)  | % (95% CI)  | % (95% CI) | % (95% CI)         | % (95% CI)  | % (95% CI) |
| NEBRASKA       | 23.7±1.7    | 34.2±14.3   | 20.7±5.7   | 43.4±2.7    | 43.0±20.4   | 35.9±14.7  | 69.7±2.4           | *           | 71.4±15.4  |
| NEVADA         | 15.8±2.0    | 15.8±8.2    | 15.7±4.4   | 30.7±3.7    | *           | 47.3±27.2  | 63.5±4.4           | *           | 57.4±20.4  |
| NEW HAMPSHIRE  | 18.3±1.3    | *           | 18.4±9.8   | 37.0±2.3    | *           | *          | 71.1±2.5           | *           | *          |
| NEW JERSEY     | 18.8±2.2    | 13.9±4.0    | 18.3±4.1   | 32.0±3.4    | 33.5±10.2   | 31.2±11.1  | 67.9±3.1           | 61.2±11.4   | 61.2±17.3  |
| NEW MEXICO     | 20.8±2.2    | 28.3±12.5   | 17.1±2.0   | 37.8±3.1    | *           | 33.9±4.3   | 70.5±3.0           | *           | 63.6±5.1   |
| NEW YORK       | 18.0±1.5    | 17.3±4.0    | 17.9±3.3   | 36.4±2.8    | 26.2±8.5    | 33.7±9.1   | 67.2±3.0           | 40.0±12.1   | 57.4±13.6  |
| NORTH CAROLINA | 18.9±1.6    | 20.3±3.4    | 19.0±5.6   | 39.1±2.9    | 34.9±6.7    | 39.2±18.9  | 70.5±2.8           | 49.3±8.0    | 74.5±19.5  |
| NORTH DAKOTA   | 21.0±1.6    | *           | 33.4±13.8  | 39.4±3.1    | *           | *          | 72.4±3.0           | *           | *          |
| OHIO           | 16.3±1.4    | 18.4±4.9    | 8.2±4.6    | 36.5±2.9    | 32.1±9.1    | *          | 67.4±3.0           | 33.4±13.0   | *          |
| OKLAHOMA       | 24.0±1.6    | 21.4±5.1    | 19.7±5.1   | 44.6±2.6    | 35.6±10.9   | 37.1±13.4  | 73.6±2.3           | 51.2±12.8   | 66.8±17.8  |
| OREGON         | 19.5±1.8    | *           | 16.7±5.4   | 37.9±3.0    | *           | *          | 70.4±3.0           | *           | *          |
| PENNSYLVANIA   | 16.6±1.2    | 24.9±5.4    | 19.5±6.3   | 35.9±2.2    | 38.3±8.7    | *          | 67.9±2.2           | 59.4±9.7    | 61.8±19.7  |
| RHODE ISLAND   | 21.7±1.7    | 24.9±7.4    | 22.3±4.6   | 41.1±2.8    | 62.6±17.5   | 45.9±11.5  | 73.3±2.6           | *           | 65.2±14.0  |
| SOUTH CAROLINA | 21.2±1.8    | 24.7±3.5    | 13.5±7.3   | 37.9±3.1    | 30.7±5.8    | 33.7±17.5  | 70.0±3.2           | 60.1±8.9    | *          |

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| Reporting Area       | 18-49 years    |                 |                 | 50-64 years    |                 |                 | 65 years and older |                 |                 |
|----------------------|----------------|-----------------|-----------------|----------------|-----------------|-----------------|--------------------|-----------------|-----------------|
|                      | White nH       | Black nH        | Hispanic        | White nH       | Black nH        | Hispanic        | White nH           | Black nH        | Hispanic        |
|                      | % (95% CI)     | % (95% CI)      | % (95% CI)      | % (95% CI)     | % (95% CI)      | % (95% CI)      | % (95% CI)         | % (95% CI)      | % (95% CI)      |
| <b>SOUTH DAKOTA</b>  | 28.6 $\pm$ 1.5 | *               | 30.8 $\pm$ 11.7 | 47.3 $\pm$ 2.4 | *               | 42.7 $\pm$ 17.8 | 74.3 $\pm$ 1.9     | *               | 88.6 $\pm$ 11.4 |
| <b>TENNESSEE</b>     | 21.4 $\pm$ 1.8 | 22.0 $\pm$ 4.5  | 35.3 $\pm$ 16.3 | 42.1 $\pm$ 3.2 | 32.9 $\pm$ 8.9  | *               | 70.5 $\pm$ 3.2     | 51.0 $\pm$ 10.4 | *               |
| <b>TEXAS</b>         | 21.6 $\pm$ 1.5 | 21.3 $\pm$ 3.4  | 17.6 $\pm$ 1.8  | 36.4 $\pm$ 2.7 | 29.4 $\pm$ 6.6  | 34.8 $\pm$ 5.2  | 65.9 $\pm$ 2.5     | 49.7 $\pm$ 10.8 | 45.5 $\pm$ 7.9  |
| <b>UTAH</b>          | 20.1 $\pm$ 1.6 | *               | 24.6 $\pm$ 8.2  | 37.9 $\pm$ 3.3 | *               | 37.3 $\pm$ 16.4 | 69.4 $\pm$ 3.6     | *               | *               |
| <b>VERMONT</b>       | 18.1 $\pm$ 1.3 | *               | 24.5 $\pm$ 12.2 | 37.0 $\pm$ 2.2 | *               | *               | 72.6 $\pm$ 2.5     | *               | *               |
| <b>VIRGINIA</b>      | 22.8 $\pm$ 2.0 | 20.0 $\pm$ 3.4  | 26.6 $\pm$ 10.8 | 42.3 $\pm$ 3.4 | 34.9 $\pm$ 7.4  | *               | 67.2 $\pm$ 3.7     | 57.1 $\pm$ 9.4  | *               |
| <b>WASHINGTON</b>    | 20.5 $\pm$ 1.5 | 29.1 $\pm$ 10.6 | 27.7 $\pm$ 7.6  | 39.0 $\pm$ 2.6 | 44.7 $\pm$ 17.7 | 36.4 $\pm$ 15.2 | 69.7 $\pm$ 2.7     | *               | *               |
| <b>WEST VIRGINIA</b> | 17.7 $\pm$ 1.5 | 22.0 $\pm$ 10.7 | *               | 39.8 $\pm$ 2.8 | *               | *               | 64.2 $\pm$ 2.7     | 60.3 $\pm$ 21.0 | *               |
| <b>WISCONSIN</b>     | 19.9 $\pm$ 1.5 | 21.7 $\pm$ 5.9  | 19.1 $\pm$ 9.2  | 39.3 $\pm$ 2.8 | 45.8 $\pm$ 12.7 | *               | 72.3 $\pm$ 2.8     | 50.4 $\pm$ 16.1 | *               |
| <b>WYOMING</b>       | 20.8 $\pm$ 1.6 | *               | 24.0 $\pm$ 6.3  | 40.2 $\pm$ 2.9 | *               | 43.0 $\pm$ 13.1 | 69.8 $\pm$ 3.0     | *               | *               |

nH = non-Hispanic

Data are presented only for white nH, black nH, 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 whites nH and black nH do not include persons of Hispanic origin.

CI = confidence interval; 95% CIs were calculated by multiplying the standard error by  $\pm 1.96$ .

\* The standard of reliability is RSE < 0.3 (where RSE = the ratio of the standard error and the prevalence, se/percent). This estimate did not meet the standard or there were < 30 respondents in the denominator.