 characteristics - National Health Interview Survey, United States, 1998\#

| Characteristic | Received influenza vaccine during previous 12 mos |  |  | Ever received pneumococcal vaccine |  |  | Received tetanus toxoid during previous 10 yrs |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | High-risk persons |  | All persons Aged $\geq 65 \mathrm{yrs}$$(\mathrm{n}=6,257)$ | High-risk persons |  | $\begin{gathered} \text { All persons } \\ \text { Aged } \\ 265 \text { yrs } \\ (\mathrm{n}=6,121) \end{gathered}$ | All persons |  |  |
|  | $\begin{gathered} \text { Aged } \\ 18-49 \mathrm{yrs} \\ (\mathrm{n}=2,758) \end{gathered}$ | $\begin{gathered} \text { Aged } \\ 50-64 \mathrm{yrs} \\ (\mathrm{n}=1,826) \end{gathered}$ |  | $\begin{gathered} \text { Aged } \\ 18-49 \text { yrs } \\ (\mathrm{n}=2,319) \end{gathered}$ | $\begin{gathered} \text { Aged } \\ 50-64 \text { yrs } \\ (\mathrm{n}=1,736) \end{gathered}$ |  | Aged 18-49 yrs ( $\mathrm{n}=18$, 404) | $\begin{gathered} \text { Aged } \\ 50-64 \mathrm{yrs} \\ (\mathrm{n}=5,823) \end{gathered}$ | $\begin{gathered} \text { Aged } \\ 265 \text { yrs } \\ (\mathrm{n}=5,795) \end{gathered}$ |
|  | \% (95\% CI ${ }^{\dagger}$ ) | \% (95\% CI) | \% (95\% CI) | \% (95\% CI) | \% (95\% CI) | \% (95\% CI) | \% (95\% CI) | \% (95\% CI) | \% (95\% CI) |
| Sex <br> Male <br> Female | $\begin{array}{ll} 21.0 & ( \pm 2.7) \\ 23.8 & ( \pm 2.4) \end{array}$ | $\begin{array}{ll} 39.1 & ( \pm 3.9) \\ 47.0 & ( \pm 3.5) \end{array}$ | $\begin{array}{ll} 63.7 & ( \pm 2.2) \\ 63.0 & ( \pm 1.8) \end{array}$ | $\begin{aligned} 11.2 & ( \pm 2.6) \\ 9.4 & ( \pm 1.7) \end{aligned}$ | $\begin{array}{ll} 19.7 & ( \pm 3.5) \\ 24.3 & ( \pm 3.0) \end{array}$ | $\begin{array}{ll} 45.8 & ( \pm 2.3) \\ 46.1 & ( \pm 1.9) \end{array}$ | $\begin{array}{ll} 67.3 & ( \pm 1.1) \\ 56.9 & ( \pm 1.1) \end{array}$ | $\begin{array}{ll} 57.0 & ( \pm 2.1) \\ 49.0 & ( \pm 1.9) \end{array}$ | $\begin{array}{ll} 47.0 & ( \pm 2.3) \\ 35.8 & ( \pm 1.9) \end{array}$ |
| Race/ethnicity ${ }^{\text {s }}$ <br> Non-Hispanic white <br> Non-Hispanic black <br> Hispanic <br> American Indian/ <br> Alaskan Native <br> Asian/Pacific <br> Islander | $\begin{array}{ll} 22.8 & ( \pm 2.2) \\ 22.1 & ( \pm 4.8) \\ 22.1 & ( \pm 5.1) \end{array}$ | $\begin{array}{ll} 44.8 & ( \pm 3.0) \\ 35.4 & ( \pm 7.4) \\ 38.3 & ( \pm 8.0) \\ 1 \end{array}$ | $\begin{array}{ll} 65.6 & ( \pm 1.5) \\ 45.8 & ( \pm 4.4) \\ 50.3 & ( \pm 5.0) \\ \pi \end{array}$ | $\begin{array}{r} 9.6( \pm 1.6) \\ 12.0( \pm 4.7) \\ 11.5( \pm 4.2) \end{array}$ | $\begin{array}{ll} 23.4 & ( \pm 2.7) \\ 18.7 & ( \pm 6.1) \\ 12.5 & ( \pm 4.8) \end{array}$ | $\begin{aligned} & 49.5( \pm 1.6) \\ & 26.1 \quad( \pm 3.7) \\ & 22.8 \quad( \pm 4.6) \\ & 1 \end{aligned}$ | $\begin{array}{ll} 65.5 & ( \pm 1.0) \\ 57.3 & ( \pm 2.5) \\ 51.1 & ( \pm 1.9) \\ & \\ 65.1 & ( \pm 9.6) \\ 46.4 & ( \pm 4.4) \end{array}$ | $\begin{array}{ll} 54.6 & ( \pm 2.3) \\ 47.0 & ( \pm 6.2) \\ 45.1 & ( \pm 6.2) \\ \pi & \\ 39.3 & ( \pm 8.8) \end{array}$ | $\begin{aligned} & 41.9( \pm 2.2) \\ & 32.0 \quad( \pm 6.1) \\ & 29.3 \quad( \pm 7.1) \\ & 4 \\ & 46.1( \pm 12.7) \end{aligned}$ |
| ```Poverty status }\mp@subsup{}{}{+\dagger At or above poverty level Below poverty level``` | $\begin{array}{ll} 23.8 & ( \pm 2.2) \\ 18.8 & ( \pm 4.1) \end{array}$ | $\begin{array}{ll} 44.0 & ( \pm 3.3) \\ 44.4 & ( \pm 6.9) \end{array}$ | $\begin{array}{ll} 65.6 & ( \pm 1.7) \\ 53.7 & ( \pm 3.9) \end{array}$ | $\begin{aligned} 9.9 & ( \pm 1.7) \\ 13.3 & ( \pm 4.1) \end{aligned}$ | $\begin{array}{ll} 22.5 & ( \pm 2.7) \\ 27.8 & ( \pm 6.5) \end{array}$ | $\begin{array}{ll} 48.6 & ( \pm 1.9) \\ 33.9 & ( \pm 3.8) \end{array}$ | $\begin{array}{ll} 64.3 & ( \pm 1.0) \\ 57.5 & ( \pm 2.5) \end{array}$ | $\begin{array}{ll} 55.2 & ( \pm 1.8) \\ 45.4 & ( \pm 4.7) \end{array}$ | $\begin{array}{ll} 41.6 & ( \pm 1.9) \\ 33.9 & ( \pm 4.3) \end{array}$ |
| Education level <br> Less than high school <br> High school <br> More than high school | $\begin{array}{ll} 16.9 & ( \pm 3.9) \\ 21.2 & ( \pm 3.4) \\ 25.2 & ( \pm 2.4) \end{array}$ | $\begin{array}{ll} 37.0 & ( \pm 5.4) \\ 43.7 & ( \pm 4.9) \\ 46.3 & ( \pm 3.8) \end{array}$ | $\begin{array}{ll} 58.2 & ( \pm 2.4) \\ 65.0 & ( \pm 2.4) \\ 66.9 & ( \pm 2.4) \end{array}$ | $\begin{aligned} 8.6 & ( \pm 3.2) \\ 10.0 & ( \pm 2.9) \\ 10.6 & ( \pm 1.9) \end{aligned}$ | $\begin{array}{ll} 22.9 & ( \pm 4.5) \\ 21.6 & ( \pm 4.1) \\ 22.0 & ( \pm 3.2) \end{array}$ | $\begin{array}{ll} 40.1 & ( \pm 2.4) \\ 46.9 & ( \pm 2.6) \\ 51.5 & ( \pm 2.5) \end{array}$ | $\begin{array}{ll} 57.3 & ( \pm 2.2) \\ 60.8 & ( \pm 1.6) \\ 64.1 & ( \pm 1.1) \end{array}$ | $\begin{array}{ll} 43.9 & ( \pm 3.3) \\ 50.9 & ( \pm 2.9) \\ 57.3 & ( \pm 1.9) \end{array}$ | $\begin{array}{ll} 35.1 & ( \pm 2.6) \\ 38.1 & ( \pm 2.6) \\ 49.2 & ( \pm 2.7) \end{array}$ |
| Insurance status <br> Have medical <br> insurance <br> No medical insurance | $\begin{array}{ll} 24.4 & ( \pm 2.2) \\ 15.1 & ( \pm 3.9) \end{array}$ | $\begin{array}{ll} 45.6 & ( \pm 2.7) \\ 25.1 & ( \pm 6.7) \end{array}$ | ${ }_{9}^{63.5}( \pm 1.4)$ | $\begin{aligned} 10.4 & ( \pm 1.5) \\ 8.9 & ( \pm 3.3) \end{aligned}$ | $\begin{array}{ll} 23.1 & ( \pm 2.5) \\ 14.2 & ( \pm 5.2) \end{array}$ | $46.2 \quad( \pm 1.5)$ | $\begin{array}{ll} 63.6 & ( \pm 1.0) \\ 55.7 & ( \pm 1.9) \end{array}$ | $\begin{array}{ll} 54.5 & ( \pm 1.6) \\ 39.1 & ( \pm 3.8) \end{array}$ | $\begin{aligned} & 40.6( \pm 1.5) \\ & 35.8( \pm 18.0) * * \end{aligned}$ |
| No. physician contacts during previous 12 mos None 1 <br> 2-3 <br> 4-9 <br> 210 | $\begin{aligned} 9.5 & ( \pm 3.8) \\ 12.4 & ( \pm 3.7) \\ 19.8 & ( \pm 3.9) \\ 27.7 & ( \pm 3.7) \\ 30.2 & ( \pm 4.1) \end{aligned}$ | $\begin{array}{ll} 11.1 & ( \pm 7.4) \\ 32.0 & ( \pm 8.8) \\ 38.8 & ( \pm 5.3) \\ 50.3 & ( \pm 4.5) \\ 47.0 & ( \pm 4.8) \end{array}$ | $\begin{array}{ll} 31.0 & ( \pm 4.9) \\ 54.0 & ( \pm 4.2) \\ 64.5 & ( \pm 2.7) \\ 68.6 & ( \pm 2.2) \\ 70.0 & ( \pm 2.8) \end{array}$ | $\begin{array}{rr} 4.5 & ( \pm 3.7) \\ 4.5 & ( \pm 2.6) \\ 8.6 & ( \pm 3.0) \\ 11.0 & ( \pm 2.6) \\ 14.7 & ( \pm 3.1) \end{array}$ | $\begin{array}{ll} 12.1 & ( \pm 7.6) \\ 11.2 & ( \pm 6.2) \\ 15.0 & ( \pm 3.9) \\ 23.9 & ( \pm 4.1) \\ 29.5 & ( \pm 4.7) \end{array}$ | $\begin{array}{ll} 18.1 & ( \pm 3.6) \\ 38.8 & ( \pm 4.3) \\ 42.3 & ( \pm 2.9) \\ 52.4 & ( \pm 2.4) \\ 53.5 & ( \pm 3.2) \end{array}$ | $\begin{array}{ll} 53.0 & ( \pm 1.9) \\ 62.3 & ( \pm 1.9) \\ 64.2 & ( \pm 1.6) \\ 67.4 & ( \pm 1.7) \\ 66.5 & ( \pm 3.9) \end{array}$ | $\begin{array}{ll} 37.3 & ( \pm 3.6) \\ 52.2 & ( \pm 3.8) \\ 54.4 & ( \pm 2.7) \\ 57.4 & ( \pm 2.9) \\ 57.6 & ( \pm 3.9) \end{array}$ | $\begin{array}{ll} 24.4 & ( \pm 4.2) \\ 38.3 & ( \pm 4.1) \\ 39.8 & ( \pm 3.1) \\ 42.6 & ( \pm 2.5) \\ 45.2 & ( \pm 3.0) \end{array}$ |
| Total | $22.7( \pm 1.8)$ | 43.3 ( $\pm 2.6)$ | 63.3 ( $\pm 1.4)$ | 10.1 ( $\pm 1.5)$ | 22.2 ( $\pm 2.3)$ | $45.9( \pm 1.5)$ | $62.1( \pm 0.9)$ | $52.7( \pm 1.5)$ | 39.6 ( $\pm 1.5)$ |






 pneumococcal-related complications met the above criteria, excluding asthma, or reported liver disease during the past 12 months.
$\neq n=32,440$. Sample sizes might not total 32,440 because persons with unknown vaccination status were excluded from analysis.
${ }^{\dagger}$ Confidence interval. $95 \%$ CIs were calculated by multiplying the standard error by $\pm 1.96$.
 Asian/Pacific Islander do not include persons of Hispanic origin
 the denominator was $<30$
**Meets the standard of reliability; however, $<50$ respondents were in the denominator.
 are used in these calculation. Persons for whom poverty level was not determined were excluded from this analysis.

