

**SUPPLEMENTARY TABLE. COVID-19 vaccination (≥1 dose) coverage estimates\* among adults aged ≥18 years, by race and ethnicity† and selected geographic and sociodemographic characteristics — National Immunization Survey Adult COVID Module, United States, April 2021 and November 2021**

Characteristic	Race/Ethnicity, ≥1-dose vaccination coverage (95% CI)						
	White, non-Hispanic (n = 329,135)	Black, non-Hispanic (n = 61,848)	Hispanic (n = 67,925)	AI/AN (n = 6,224)	Asian (n = 26,468)	NH/OPI (n = 5,149)	Multiple or other race (n = 19,441)
<b>April 2021</b>							
<b>Overall</b>	<b>59.0 (58.6–59.3)</b>	<b>46.3 (45.5–47.1)<sup>§</sup></b>	<b>47.3 (46.6–48.0)<sup>§</sup></b>	<b>38.7 (36.1–41.3)<sup>§</sup></b>	<b>69.6 (68.4–70.8)**</b>	<b>45.9 (41.7–50.3)<sup>§</sup></b>	<b>42.6 (41.1–44.2)<sup>§</sup></b>
<b>U.S. Census region</b>							
Northeast	69.0 (68.3–69.7)	47.8 (46.1–49.5) <sup>§</sup>	46.2 (44.5–47.9) <sup>§</sup>	37.7 (30.9–45.4) <sup>§</sup>	67.6 (65.5–69.7)	52.2 (41.5–63.7) <sup>§</sup>	50.7 (47.5–54.0) <sup>§</sup>
Midwest	55.9 (55.1–56.7)	42.8 (40.7–45.1) <sup>§</sup>	41.4 (39.4–43.5) <sup>§</sup>	33.3 (27.9–39.5) <sup>§</sup>	65.9 (62.7–69.2)**	25.4 (17.7–35.6) <sup>§</sup>	35.7 (32.3–39.3) <sup>§</sup>
South	53.7 (53.1–54.3)	46.4 (45.4–47.5) <sup>§</sup>	45.1 (43.8–46.4) <sup>§</sup>	32.3 (28.9–36.0) <sup>§</sup>	66.4 (64.0–68.8)**	35.6 (27.1–46.0) <sup>§</sup>	34.8 (32.7–37.0) <sup>§</sup>
West	63.0 (62.2–63.8)	49.7 (46.7–52.8) <sup>§</sup>	49.1 (47.7–50.5) <sup>§</sup>	46.7 (42.1–51.5) <sup>§</sup>	72.6 (70.6–74.6)**	49.7 (44.0–55.6) <sup>§</sup>	50.2 (47.1–53.3) <sup>§</sup>
<b>Urbanicity<sup>¶</sup></b>							
MSA, principal city	63.4 (62.7–64.1)	43.5 (42.3–44.7) <sup>§</sup>	47.5 (46.4–48.7) <sup>§</sup>	35.6 (31.0–40.7) <sup>§</sup>	68.7 (66.9–70.5)**	49.2 (42.2–56.6) <sup>§</sup>	44.1 (41.5–46.7) <sup>§</sup>
MSA, non-principal city	60.1 (59.6–60.5)	48.7 (47.5–49.9) <sup>§</sup>	47.8 (46.7–48.8) <sup>§</sup>	37.7 (33.8–42.0) <sup>§</sup>	71.1 (69.4–72.8)**	43.8 (37.9–50.1) <sup>§</sup>	43.8 (41.6–46.0) <sup>§</sup>
Non-MSA	49.1 (48.2–49.9)	46.4 (43.8–49.1)	42.0 (39.5–44.6) <sup>§</sup>	43.5 (39.3–47.9) <sup>§</sup>	55.4 (48.2–62.8)	45.0 (35.3–56.1)	34.6 (31.2–38.3) <sup>§</sup>
<b>Age group (yrs)</b>							
18–29	35.9 (35.1–36.7)	22.1 (20.7–23.5) <sup>§</sup>	33.3 (32.1–34.5) <sup>§</sup>	22.1 (17.8–27.2) <sup>§</sup>	60.0 (57.7–62.3)**	21.0 (15.8–27.7) <sup>§</sup>	32.9 (30.4–35.6) <sup>§</sup>
30–49	48.5 (47.9–49.1)	35.8 (34.6–37.1) <sup>§</sup>	44.7 (43.5–45.9) <sup>§</sup>	34.6 (30.7–38.7) <sup>§</sup>	70.4 (68.6–72.1)**	45.2 (39.1–51.7)	37.0 (34.6–39.5) <sup>§</sup>
50–64	63.1 (62.5–63.8)	56.6 (55.0–58.1) <sup>§</sup>	59.9 (58.2–61.5) <sup>§</sup>	43.1 (38.5–48.1) <sup>§</sup>	77.6 (74.7–80.4)**	53.6 (44.8–62.9) <sup>§</sup>	46.6 (43.3–50.0) <sup>§</sup>
≥65	82.8 (82.3–83.4)	74.3 (72.6–76.0) <sup>§</sup>	75.4 (73.4–77.3) <sup>§</sup>	60.9 (53.0–68.9) <sup>§</sup>	85.5 (82.2–88.5)	83.0 (74.1–90.2)	69.9 (66.4–73.4) <sup>§</sup>
<b>Annual household income</b>							
Below poverty	36.5 (35.3–37.7)	34.0 (32.1–36.0) <sup>§</sup>	39.9 (38.2–41.6)**	33.0 (27.5–39.2)	58.1 (54.0–62.4)**	27.3 (19.4–37.5)	24.9 (21.7–28.4) <sup>§</sup>
Above poverty, <\$75,000	54.6 (54.0–55.3)	44.5 (43.2–45.8) <sup>§</sup>	46.5 (45.3–47.8) <sup>§</sup>	38.2 (34.3–42.3) <sup>§</sup>	65.6 (63.1–68.1)**	46.8 (39.6–54.7) <sup>§</sup>	40.2 (37.8–42.8) <sup>§</sup>
Above poverty, ≥\$75,000	67.6 (67.1–68.2)	58.1 (56.5–59.8) <sup>§</sup>	57.8 (56.3–59.4) <sup>§</sup>	48.2 (42.9–53.7) <sup>§</sup>	76.7 (75.0–78.4)**	53.0 (45.5–61.0) <sup>§</sup>	55.0 (52.1–58.0) <sup>§</sup>
Unknown income	58.6 (57.8–59.4)	45.5 (43.9–47.1) <sup>§</sup>	43.8 (42.3–45.4) <sup>§</sup>	36.9 (31.7–42.8) <sup>§</sup>	65.6 (62.9–68.2)**	45.5 (36.7–55.4) <sup>§</sup>	42.1 (38.8–45.5) <sup>§</sup>
<b>Health insurance</b>							
Insured	61.6 (61.2–61.9)	49.4 (48.5–50.3) <sup>§</sup>	52.0 (51.1–52.8) <sup>§</sup>	41.0 (38.2–43.9) <sup>§</sup>	71.6 (70.3–72.8)**	50.3 (45.7–55.1) <sup>§</sup>	45.9 (44.2–47.5) <sup>§</sup>
Not insured	28.0 (26.9–29.2)	23.7 (21.9–25.7) <sup>§</sup>	31.0 (29.5–32.6)**	21.6 (16.5–28.1) <sup>§</sup>	51.5 (46.9–56.2)**	20.6 (13.9–29.8)	19.8 (16.5–23.6) <sup>§</sup>
<b>November 2021</b>							
<b>Overall</b>	<b>78.7 (78.2–79.1)</b>	<b>78.2 (77.0–79.4)</b>	<b>81.3 (80.2–82.2)**</b>	<b>61.8 (58.0–65.7)<sup>§</sup></b>	<b>95.2 (94.1–96.2)**</b>	<b>75.7 (70.1–80.9)</b>	<b>68.0 (65.7–70.3)<sup>§</sup></b>
<b>U.S. Census region</b>							
Northeast	88.0 (87.2–88.8)	85.6 (83.2–87.8)	86.0 (83.8–87.9)	75.4 (63.2–86.0) <sup>§</sup>	96.2 (94.6–97.4)**	89.7 (79.3–96.2)	82.0 (77.2–86.4) <sup>§</sup>
Midwest	74.0 (73.0–74.9)	68.6 (65.5–71.6) <sup>§</sup>	70.3 (67.5–73.1) <sup>§</sup>	49.6 (41.4–58.3) <sup>§</sup>	90.9 (86.4–94.4)**	49.7 (32.7–69.5) <sup>§</sup>	54.5 (50.0–59.1) <sup>§</sup>
South	74.1 (73.4–74.9)	78.8 (77.2–80.3)**	78.5 (76.7–80.3)**	53.4 (47.8–59.2) <sup>§</sup>	94.2 (91.9–96.0)**	55.2 (43.3–67.8) <sup>§</sup>	60.3 (56.1–64.6) <sup>§</sup>
West	84.3 (83.4–85.2)	80.5 (76.1–84.6)	83.0 (81.2–84.7)	72.2 (65.2–78.8) <sup>§</sup>	96.1 (94.3–97.5)**	81.3 (74.3–87.4)	75.9 (71.9–79.7) <sup>§</sup>
<b>Urbanicity<sup>¶</sup></b>							
MSA, principal city	83.2 (82.4–84.0)	76.6 (74.8–78.4) <sup>§</sup>	82.4 (80.8–83.9)	61.6 (54.6–68.8) <sup>§</sup>	95.7 (94.2–96.9)**	79.2 (71.8–85.7)	72.3 (68.6–75.9) <sup>§</sup>
MSA, non-principal city	79.5 (78.9–80.1)	79.3 (77.7–80.9)	81.6 (80.2–83.0)**	56.4 (50.7–62.2) <sup>§</sup>	95.2 (93.6–96.5)**	74.4 (65.9–82.2)	70.0 (66.4–73.5) <sup>§</sup>
Non-MSA	69.4 (68.2–70.5)	79.7 (74.4–84.5)**	71.7 (68.0–75.3)	69.5 (62.8–76.0)	88.6 (78.7–95.2)**	69.8 (54.3–83.9)	50.7 (46.2–55.3) <sup>§</sup>

<b>Age group (yrs)</b>								
18–29	62.5 (61.3–63.8)	58.4 (55.2–61.6) <sup>§</sup>	71.6 (69.4–73.7)**	45.3 (37.6–53.7) <sup>§</sup>	92.8 (90.3–94.8)**	48.5 (38.0–60.2) <sup>§</sup>	62.2 (57.6–66.8)	
30–49	71.2 (70.3–72.1)	72.3 (70.0–74.6)	80.2 (78.6–81.8)**	55.5 (49.9–61.3) <sup>§</sup>	95.6 (93.8–96.9)**	74.2 (66.3–81.5)	62.3 (58.7–65.9) <sup>§</sup>	
50–64	83.0 (82.2–83.8)	88.6 (86.7–90.4)**	90.6 (88.9–92.1)**	68.3 (60.6–75.7) <sup>§</sup>	98.1 (97.0–98.9)**	93.4 (87.3–97.2)**	70.9 (66.5–75.1) <sup>§</sup>	
≥65	94.1 (93.6–94.6)	92.9 (91.3–94.3)	95.3 (93.9–96.4)	85.8 (73.6–94.2)	97.6 (95.2–99.0)**	99.7 (98.1–100.0)**	91.3 (85.1–95.6)	
<b>Annual household income</b>								
Below poverty	64.8 (62.8–66.8)	69.6 (66.5–72.6)**	80.0 (77.5–82.3)**	62.2 (53.2–71.3)	94.6 (91.3–97.0)**	62.3 (46.9–77.8)	55.8 (49.6–62.3) <sup>§</sup>	
Above poverty, <\$75,000	76.4 (75.6–77.2)	77.7 (75.6–79.7)	81.0 (79.3–82.7)**	62.2 (55.9–68.5) <sup>§</sup>	94.3 (92.1–96.1)**	79.0 (68.5–87.8)	65.7 (61.9–69.5) <sup>§</sup>	
Above poverty, ≥\$75,000	84.3 (83.7–84.9)	84.9 (82.9–86.9)	84.2 (82.3–86.0)	70.1 (63.6–76.3) <sup>§</sup>	97.7 (96.6–98.5)**	81.8 (73.6–88.7)	76.0 (72.3–79.5) <sup>§</sup>	
Unknown income	77.4 (76.4–78.3)	77.9 (75.2–80.4)	79.6 (77.3–81.8)	56.0 (48.1–64.2) <sup>§</sup>	92.5 (89.5–94.9)**	70.2 (59.2–80.6)	69.1 (63.8–74.4) <sup>§</sup>	
<b>Health insurance</b>								
Insured	80.7 (80.3–81.2)	80.7 (79.4–82.0)	83.6 (82.6–84.7)**	64.5 (60.3–68.7) <sup>§</sup>	95.9 (94.9–96.8)**	77.1 (71.6–82.1)	71.9 (69.4–74.3) <sup>§</sup>	
Not insured	53.9 (51.9–55.9)	58.6 (54.7–62.6)**	73.2 (70.4–75.8)**	42.4 (33.6–52.5) <sup>§</sup>	87.2 (81.1–92.1)**	73.4 (53.9–89.6)**	40.1 (34.4–46.2) <sup>§</sup>	

Abbreviations: AI/AN = American Indian or Alaska Native; CI = confidence interval; MSA = metropolitan statistical area; NH/OPI = Native Hawaiian or other Pacific Islander.

\* Kaplan-Meier survival analysis was used to estimate vaccination coverage based on the month and year of first dose receipt; estimates reflect the cumulative percent vaccinated as of the end of each month.

† Persons were categorized into mutually exclusive categories of race and ethnicity; persons not reporting they were Hispanic were categorized by their reported race(s).

<sup>¶</sup> MSA status was determined based on household reported city and county of residence and was grouped into three categories: MSA principal city (urban), MSA non-principal city (suburban), and non-MSA (rural). MSAs and principal cities were as defined by the U.S. Census Bureau (<https://www.census.gov/programs-surveys/metro-micro.html>). Non-MSA areas include urban populations not located within an MSA as well as completely rural areas.

<sup>§</sup> Coverage is statistically significantly lower than coverage among White non-Hispanic adults (p<0.05).

\*\* Coverage is statistically significantly higher than coverage among White non-Hispanic adults (p<0.05).