**SUPPLEMENTARY TABLE 1. Estimated vaccination coverage with selected vaccines and doses\* among adolescents aged 13–17 years (N = 16,043)† by HHS Region, state, selected local area, or territory — National Immunization Survey–Teen (NIS-Teen), United States, 2022**

|  |  |
| --- | --- |
| **Region, state, local area** | **Vaccination coverage, % (95% CI)§** |
| **≥1 Tdap¶**  | **≥1 MenACWY\*\***  | **≥1 HPV††** | **HPV UTD**§§ |
| **United States overall**  | **89.9 (88.9–90.9)** | **88.6 (87.6–89.6)** | **76.0 (74.7–77.3)** | **62.6 (61.1–64.0)** |
| **Region I** | **93.7 (91.4–95.4)** | **93.5 (90.9–95.3)** | **84.2 (81.0–87.1)** | **75.1 (71.4–78.4)** |
| Connecticut | 92.7 (87.7–95.8) | 92.4 (86.7–95.8) | 80.0 (73.1–85.4) | 71.9 (64.6–78.1) |
| Maine | 94.4 (90.1–96.9) | 96.3 (93.0–98.0)¶¶ | 77.9 (71.4–83.2) | 66.2 (59.4–72.4) |
| Massachusetts | 94.1 (89.5–96.8) | 93.9 (88.7–96.8) | 85.6 (79.3–90.3) | 77.1 (70.1–82.9) |
| New Hampshire | 92.8 (87.9–95.8) | 90.5 (84.7–94.2) | 85.7 (79.6–90.3) | 76.2 (69.4–82.0) |
| Rhode Island | 95.1 (91.3–97.3) | 96.2 (92.4–98.1) | 94.6 (90.7–96.9) | 85.2 (78.8–89.9) |
| Vermont | 92.1 (87.0–95.3) | 91.2 (86.4–94.5) | 88.0 (82.6–91.8) | 71.9 (65.1–77.9) |
| **Region II** | **88.9 (85.9–91.3)** | **94.7 (92.5–96.2)** | **79.6 (76.0–82.8)¶¶** | **68.3 (64.3–72.1)¶¶** |
| New Jersey | 86.0 (80.0–90.4) | 91.0 (86.1–94.4) | 75.5 (68.6–81.2)¶¶ | 63.7 (56.3–70.4) |
| New York | 90.4 (86.9–93.0) | 96.5 (94.2–97.9) | 81.8 (77.5–85.4) | 70.7 (65.9–75.1) |
| NY-City of New York | 91.7 (86.1–95.2)¶¶ | 95.7 (90.6–98.1) | 84.3 (77.8–89.2) | 73.3 (65.9–79.7) |
| NY-Rest of State | 89.5 (84.6–93.0) | 97.1 (94.4–98.5) | 80.1 (74.2–84.9) | 69.0 (62.5–74.8) |
| **Region III** | **91.4 (89.4–93.1)** | **91.2 (89.3–92.8)** | **78.3 (75.5–80.8)** | **66.0 (63.0–68.9)** |
| Delaware | 88.2 (81.8–92.6) | 89.3 (82.7–93.5) | 84.2 (77.8–89.0) | 68.2 (60.5–74.9) |
| Dist. of Columbia | 89.7 (84.1–93.5) | 92.9 (88.4–95.7) | 86.5 (80.0–91.2) | 77.8 (69.8–84.2) |
| Maryland | 89.0 (82.0–93.5) | 92.4 (86.4–95.9) | 84.0 (77.0–89.2) | 72.0 (64.2–78.7) |
| Pennsylvania | 93.9 (90.7–96.1) | 94.5 (91.7–96.4) | 76.4 (71.5–80.6) | 66.7 (61.7–71.4) |
| PA-Philadelphia | 93.2 (88.1–96.2) | 93.1 (87.6–96.3) | 91.1 (85.0–94.8) | 75.0 (67.6–81.2) |
| PA-Rest of State | 94.0 (90.4–96.4) | 94.7 (91.5–96.7) | 74.5 (69.0–79.2) | 65.6 (60.1–70.8) |
| Virginia | 89.7 (85.9–92.6) | 85.0 (80.7–88.6) | 77.5 (72.6–81.7) | 62.7 (57.4–67.7) |
| West Virginia | 92.7 (88.5–95.4) | 94.2 (90.0–96.7) | 69.9 (62.8–76.2) | 51.5 (44.2–58.7) |
| **Region IV** | **92.3 (90.8–93.6)** | **86.9 (84.7–88.8)** | **72.5 (69.8–75.1)** | **57.7 (54.6–60.7)** |
| Alabama | 93.4 (89.0–96.1) | 84.4 (78.9–88.6) | 76.8 (70.5–82.0) | 59.2 (52.2–65.9) |
| Florida | 96.0 (93.2–97.6)¶¶ | 86.9 (80.8–91.3)¶¶ | 75.6 (68.5–81.5) | 58.9 (51.2–66.2) |
| Georgia | 91.1 (86.0–94.5) | 93.0 (88.1–95.9) | 70.8 (64.0–76.8) | 61.5 (54.5–67.9) |
| Kentucky | 86.4 (79.9–91.0) | 90.4 (84.5–94.2) | 66.4 (59.3–72.8) | 55.0 (47.9–61.9) |
| Mississippi | 87.0 (80.3–91.6) | 55.5 (47.1–63.5) | 61.0 (52.8–68.6) | 38.5 (30.7–46.9) |
| North Carolina | 91.2 (86.3–94.5) | 92.8 (87.9–95.8) | 73.1 (66.4–78.9)\*\*\* | 54.8 (47.9–61.5)\*\*\* |
| South Carolina | 93.6 (88.4–96.5) | 85.3 (79.0–89.9) | 69.9 (62.3–76.6)\*\*\* | 54.4 (46.8–61.7) |
| Tennessee | 90.6 (84.6–94.4) | 82.9 (76.2–88.0) | 74.1 (66.7–80.3) | 64.4 (56.5–71.6) |
| **Region V** | **92.8 (91.0–94.2)¶¶** | **92.5 (90.7–94.0)** | **78.9 (76.3–81.3)** | **64.3 (61.3–67.1)** |
| Illinois | 93.6 (90.3–95.9) | 93.9 (90.7–96.0) | 80.3 (75.4–84.4) | 65.7 (60.3–70.7) |
| IL-City of Chicago | 90.5 (85.2–94.1) | 89.1 (82.6–93.4) | 83.0 (75.4–88.6) | 69.2 (60.9–76.4) |
| IL-Rest of State | 94.3 (90.1–96.8) | 94.9 (91.0–97.2) | 79.7 (73.9–84.5) | 64.9 (58.5–70.8) |
| Indiana | 94.2 (90.1–96.6)¶¶ | 92.8 (88.1–95.7) | 75.5 (68.4–81.4) | 59.6 (52.2–66.6) |
| Michigan | 92.7 (88.0–95.7)¶¶ | 91.2 (85.2–94.9) | 76.3 (69.1–82.3) | 62.2 (54.3–69.6) |
| Minnesota | 93.8 (90.0–96.2) | 94.6 (90.8–96.9) | 86.9 (82.3–90.5) | 68.6 (62.1–74.5) |
| Ohio | 91.7 (86.0–95.2) | 92.1 (86.1–95.6) | 76.8 (69.1–83.1) | 62.7 (54.7–70.1) |
| Wisconsin | 90.2 (85.0–93.7) | 90.3 (85.0–93.8) | 80.5 (73.8–85.8) | 69.0 (61.9–75.4) |
| **Region VI** | **86.9 (83.3–89.8)** | **87.0 (83.6–89.8)** | **71.8 (67.4–75.9)** | **58.2 (53.6–62.7)** |
| Arkansas | 93.6 (90.2–95.9) | 95.4 (92.2–97.3) | 74.7 (68.8–79.8) | 55.7 (49.1–62.1) |
| Louisiana | 94.1 (89.8–96.7) | 90.4 (85.2–93.9) | 79.8 (73.8–84.8) | 67.3 (60.6–73.5) |
| New Mexico | 84.1 (77.6–89.0) | 84.4 (78.1–89.2) | 79.4 (72.8–84.8) | 60.8 (53.3–67.7) |
| Oklahoma | 89.6 (84.6–93.1) | 82.2 (75.8–87.3) | 69.1 (61.7–75.7) | 46.2 (38.7–53.8) |
| Texas | 85.0 (79.9–89.0) | 86.5 (81.6–90.2) | 70.3 (64.0–75.8) | 58.5 (52.1–64.6) |
| TX-Bexar County | 88.1 (81.6–92.5) | 91.2 (85.4–94.9) | 75.9 (68.1–82.3) | 63.6 (55.3–71.1) |
| TX-City of Houston | 89.1 (81.1–94.0) | 87.4 (79.3–92.6) | 81.0 (72.1–87.6) | 63.2 (52.6–72.8) |
| TX-Rest of State | 84.5 (78.6–89.0) | 86.0 (80.4–90.2) | 69.0 (61.9–75.4) | 57.8 (50.5–64.7) |
| **Region VII** | **91.4 (89.0–93.4)** | **90.7 (88.0–92.8)** | **78.0 (74.5–81.1)** | **64.2 (60.3–67.9)** |
| Iowa | 97.3 (91.0–99.2) | 97.9 (94.0–99.3) | 87.9 (81.5–92.2) | 74.9 (67.1–81.4) |
| Kansas | 89.2 (83.7–93.0) | 85.9 (80.0–90.3) | 73.4 (67.0–79.1) | 60.7 (53.8–67.1) |
| Missouri | 90.0 (85.2–93.3) | 90.1 (84.6–93.7) | 74.0 (67.2–79.8) | 59.8 (52.6–66.6) |
| Nebraska | 90.1 (84.9–93.6) | 88.3 (82.5–92.4) | 81.1 (74.3–86.4) | 65.4 (58.1–72.1) |
| **Region VIII** | **92.6 (90.3–94.3)** | **86.9 (84.3–89.2)** | **77.2 (73.9–80.2)** | **61.8 (58.2–65.3)** |
| Colorado | 92.4 (88.6–95.0) | 83.6 (78.7–87.6) | 79.7 (74.3–84.2) | 65.7 (59.7–71.3) |
| Montana | 89.6 (84.5–93.2) | 81.6 (75.6–86.4) | 81.8 (76.0–86.4) | 60.3 (53.4–66.8) |
| North Dakota | 93.8 (89.1–96.6) | 96.0 (91.9–98.0) | 82.9 (76.3–88.0) | 74.4 (67.3–80.5) |
| South Dakota | 93.5 (88.6–96.4) | 93.0 (88.0–96.0) | 79.0 (72.1–84.6)\*\*\* | 68.3 (60.8–74.9) |
| Utah | 93.5 (87.9–96.6) | 91.5 (85.8–95.0) | 73.0 (65.6–79.3) | 55.2 (47.7–62.5) |
| Wyoming | 89.1 (83.7–92.8) | 73.2 (66.0–79.4) | 65.5 (58.0–72.3) | 49.2 (41.9–56.6) |
| **Region IX** | **83.7 (78.5–87.8)** | **82.7 (77.7–86.8)** | **73.3 (67.9–78.1)\*\*\*** | **61.1 (55.5–66.4)** |
| Arizona | 85.2 (78.9–89.8) | 86.7 (80.8–91.0) | 76.5 (69.9–81.9) | 62.1 (54.8–68.8) |
| California | 82.7 (76.0–87.9) | 81.5 (75.0–86.6) | 72.2 (65.2–78.2) | 60.6 (53.4–67.4) |
| Hawaii | 90.6 (85.8–94.0) | 88.9 (83.4–92.7) | 86.4 (80.4–90.7) | 74.2 (67.3–80.1) |
| Nevada | 89.2 (83.9–92.9) | 85.9 (80.0–90.3) | 75.0 (68.3–80.7) | 59.5 (52.2–66.4) |
| **Region X** | **92.4 (90.1–94.1)¶¶** | **87.0 (83.9–89.6)** | **83.0 (79.6–85.9)** | **68.2 (63.9–72.2)** |
| Alaska | 83.0 (76.0–88.2) | 81.3 (74.5–86.6) | 76.1 (68.9–82.1) | 57.8 (49.9–65.4) |
| Idaho | 89.9 (84.1–93.8) | 90.5 (84.4–94.4) | 80.8 (74.4–85.9) | 66.9 (59.4–73.6) |
| Oregon | 90.7 (86.1–93.9) | 80.3 (73.8–85.4) | 80.7 (74.4–85.8) | 65.6 (58.5–72.0) |
| Washington | 94.9 (91.3–97.1)¶¶ | 90.1 (85.1–93.6) | 85.4 (79.9–89.7) | 71.1 (63.9–77.3) |
| **Range†††** | **82.7–97.3** | **55.5–97.9** | **61.0–94.6** | **38.5–85.2** |
| **Territory** |  |  |  |  |
| Guam | 72.6 (64.3–79.5) | 65.2 (56.6–72.9) | 69.8 (61.5–77.0) | 44.6 (36.7–52.7) |
| Puerto Rico | 85.5 (81.6–88.6) | 89.8 (86.5–92.4) | 88.4 (84.9–91.1) | 70.3 (65.5–74.7) |
| U.S. Virgin Islands | NA | NA | NA | NA |
|  |  |  |  |  |
| **Abbreviations:** HHS = U.S. Department of Health and Human Services; HPV = human papillomavirus; HPV UTD= up to date with HPV vaccination; MenACWY = quadrivalent meningococcal conjugate vaccine; MMR = measles, mumps, rubella vaccine; Tdap = tetanus, diphtheria, and acellular pertussis vaccine.  |
| [\* Estimates for additional measures, including MMR, hepatitis B, and varicella vaccines are available at: http://www.cdc.gov/vaccines/vaxview/teenvaxview](http://www.cdc.gov/vaccines/vaxview/teenvaxview) |
| † Adolescents (N = 16,043) in the 2022 NIS-Teen were born January 2004 through January 2010. |
| § Estimates with 95% confidence intervals > 20 may not be reliable. |
| ¶  ≥1 dose Tdap vaccine at age ≥10 years. |
| \*\* ≥1 dose of MenACWY or meningococcal-unknown type vaccine. |
| †† HPV vaccine, nine-valent (9vHPV), quadrivalent (4vHPV), or bivalent (2vHPV) in females and males combined.  |
| §§ HPV UTD includes those with ≥3 doses, and those with 2 doses when the first HPV vaccine dose was initiated before age 15 yearsand there was at least 5 months minus 4 days between the first and second dose(https://www.cdc.gov/vaccines/programs/iis/cdsi.html). This update to the HPV recommendation occurred in December 2016 |
| ¶¶ Statistically significant (p<0.05) percentage point increase from 2021. |
| \*\*\*Statistically significant (p<0.05) percentage point decrease from 2021. |
| ††† Range excludes selected local areas and territories.  |