

**SUPPLEMENTARY TABLE 3. Estimated vaccination coverage with selected individual vaccines and a combined vaccine series\* by 24 months<sup>†</sup> among children born 2016-2017,<sup>§</sup> by U.S. Department of Health and Human Services (HHS) region, state, selected local area, and territory – National Immunization Survey-Child 2017-2019, United States**

| National, HHS region, state, local area, or territory | N             | Vaccine / Vaccine Series   |                               |                                  |                            |   |                            |                                    |                            |
|---|---------------|----------------------------|-------------------------------|----------------------------------|----------------------------|---|----------------------------|------------------------------------|----------------------------|
|   |               | MMR (≥1 dose) <sup>¶</sup> | DTaP (≥4 doses) <sup>**</sup> | Hep B (birth dose) <sup>††</sup> | HepA (≥1 dose)             | HepA (≥2 doses by 35 months) <sup>†</sup> | Rotavirus <sup>§§</sup>    | Influenza (≥2 doses) <sup>¶¶</sup> | Combined 7-vaccine series* |
|   |               | % (95% CI)                 | % (95% CI)                    | % (95% CI)                       | % (95% CI)                 | % (95% CI)                                | % (95% CI)                 | % (95% CI)                         | % (95% CI)                 |
| <b>US National</b>                                    | <b>25,970</b> | <b>90.7 (89.8-91.5)</b>    | <b>80.6 (79.4-81.8)</b>       | <b>76.3 (75.0-77.5)***</b>       | <b>85.8 (84.7-86.8)***</b> | <b>76.9 (75.2-78.5)</b>                   | <b>75.3 (74.1-76.5)***</b> | <b>58.1 (56.7-59.5)***</b>         | <b>70.5 (69.1-71.9)***</b> |
| <b>HHS Region I</b>                                   | <b>2,358</b>  | <b>93.8 (91.3-95.8)</b>    | <b>85.2 (81.7-88.4)</b>       | <b>80.5 (77.0-83.6)***</b>       | <b>90.3 (87.4-92.7)</b>    | <b>83.1 (78.5-87.2)</b>                   | <b>82.8 (78.9-86.2)</b>    | <b>77.3 (73.8-80.6)***</b>         | <b>77.1 (73.3-80.7)</b>    |
| Connecticut   | 279           | 90.2 (83.9-94.8)           | 82.0 (74.5-88.5)              | 79.5 (71.0-86.0)                 | 84.8 (77.2-90.9)           | 80.8 (70.5-89.2)                          | 83.6 (76.2-89.0)           | 76.4 (68.1-83.8)                   | 73.9 (65.3-81.7)           |
| Maine   | 396           | 92.9 (89.2-95.7)           | 86.5 (81.8-90.4)              | 71.2 (64.8-76.9)                 | 88.5 (83.9-92.3)***        | -- <sup>†††</sup>                         | 77.5 (71.3-82.7)           | 66.0 (59.6-72.3)                   | 76.0 (70.2-81.3)           |
| Massachusetts   | 448           | 95.7 (90.9-98.4)           | 87.0 (80.5-92.1)              | 85.4 (79.2-89.9)***              | 93.4 (88.6-96.6)***        | 84.5 (76.3-91.1)                          | 82.7 (75.0-88.4)           | 81.7 (75.9-86.9)                   | 79.6 (73.1-85.5)           |
| New Hampshire   | 372           | 94.0 (90.5-96.6)           | 85.6 (80.0-90.3)              | 77.4 (71.1-82.8)                 | 87.7 (82.8-91.7)           | 83.3 (75.5-89.7)                          | 85.6 (79.9-90.0)           | 67.2 (60.3-74.0)                   | 75.9 (69.3-82.1)           |
| Rhode Island  | 415           | 93.7 (90.1-96.3)           | 84.7 (79.7-89.0)              | 75.5 (69.3-80.8)                 | 93.5 (90.0-96.1)           | 88.0 (82.0-92.8)                          | 84.9 (79.7-89.0)           | 77.5 (71.9-82.7)                   | 73.4 (67.5-78.9)           |
| Vermont   | 448           | 94.9 (91.6-97.1)           | 85.9 (81.3-89.9)              | 61.3 (55.5-66.9)***              | 89.5 (85.7-92.7)***        | 83.8 (77.0-89.5)***                       | 80.3 (74.9-84.9)           | 71.9 (66.3-77.3)                   | 78.3 (73.1-83.0)           |
| <b>HHS Region II</b>                                  | <b>1,280</b>  | <b>90.1 (87.7-92.2)</b>    | <b>80.7 (77.1-84.0)</b>       | <b>71.2 (67.3-74.9)</b>          | <b>79.0 (75.6-82.3)</b>    | <b>69.4 (63.6-74.9)</b>                   | <b>70.0 (65.9-73.7)</b>    | <b>63.8 (59.8-67.9)</b>            | <b>66.7 (62.6-70.7)</b>    |
| New Jersey  | 461           | 89.9 (85.5-93.4)           | 84.5 (79.0-89.3)              | 66.7 (60.0-72.8)                 | 79.9 (74.5-84.9)           | -- <sup>†††</sup>                         | 70.1 (63.5-75.9)           | 64.9 (58.4-71.3)                   | 68.6 (62.1-74.9)           |
| New York  | 819           | 90.2 (87.3-92.7)           | 79.2 (74.6-83.4)              | 73.3 (68.4-77.7)                 | 78.6 (74.2-82.7)           | 66.3 (59.9-72.6)                          | 69.9 (64.8-74.6)           | 63.4 (58.3-68.5)                   | 65.9 (60.7-71.0)           |
| NY-City of New York                                   | 490           | 87.3 (83.0-90.9)           | 76.1 (70.0-81.8)              | 69.9 (63.6-75.5)                 | 73.7 (67.9-79.2)           | 61.8 (53.9-69.8)                          | 64.8 (58.3-70.8)           | 58.2 (51.8-64.7)                   | 64.2 (58.0-70.4)           |
| NY-Rest of State                                      | 329           | 93.0 (88.7-96.1)           | 82.1 (75.2-88.1)              | 76.6 (68.8-82.9)                 | 83.5 (76.8-89.2)           | 71.1 (60.9-80.6)                          | 75.0 (66.7-81.8)           | 68.6 (60.7-76.2)                   | 67.5 (59.2-75.5)           |
| <b>HHS Region III</b>                                 | <b>3,717</b>  | <b>92.6 (90.5-94.3)</b>    | <b>85.3 (82.8-87.7)</b>       | <b>80.6 (78.0-83.0)***</b>       | <b>88.8 (86.6-90.9)</b>    | <b>81.3 (77.8-84.6)***</b>                | <b>81.2 (78.4-83.7)***</b> | <b>66.7 (63.6-69.8)***</b>         | <b>76.1 (73.2-78.8)***</b> |
| Delaware  | 409           | 92.3 (87.9-95.5)           | 84.0 (78.8-88.5)              | 83.9 (78.7-88.0)***              | 89.9 (85.3-93.5)           | 82.8 (75.3-89.1)                          | 77.7 (71.2-83.1)           | 64.2 (57.4-71.0)                   | 77.1 (71.3-82.4)           |
| Dist. of Columbia                                     | 471           | 89.3 (84.6-93.1)           | 84.9 (79.2-89.6)              | 78.8 (72.2-84.2)***              | 89.7 (85.2-93.4)           | 88.1 (80.4-93.8)                          | 77.1 (70.9-82.2)           | 69.7 (62.9-76.2)                   | 71.5 (65.0-77.8)           |
| Maryland  | 885           | 92.3 (89.3-94.8)           | 83.2 (78.8-87.0)              | 77.8 (73.3-81.8)                 | 88.5 (85.0-91.6)           | 76.2 (70.0-81.9)                          | 79.6 (74.9-83.7)           | 60.1 (55.0-65.2)                   | 73.0 (68.1-77.7)           |
| Pennsylvania  | 891           | 93.4 (89.6-96.1)           | 86.4 (81.6-90.4)              | 83.8 (78.9-87.7)***              | 87.7 (83.2-91.5)           | 78.2 (71.7-84.0)                          | 82.0 (76.6-86.4)***        | 70.4 (65.0-75.6)***                | 78.0 (72.8-82.9)           |

|                      |              |                            |                            |                            |                            |                            |                            |                         |                            |
|----------------------|--------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|-------------------------|----------------------------|
| PA-Philadelphia      | 354          | 94.8 (91.6-97.1)           | 90.2 (85.9-93.7)           | 79.4 (72.6-84.9)           | 90.4 (85.1-94.4)           | 85.9 (75.8-93.3)           | 80.2 (73.8-85.3)***        | 66.7 (59.5-73.8)        | 79.6 (73.8-84.8)           |
| PA-Rest of State     | 537          | 93.1 (88.5-96.3)           | 85.7 (80.1-90.4)           | 84.6 (78.8-89.0)***        | 87.3 (82.0-91.6)           | 77.2 (69.6-84.0)           | 82.4 (75.9-87.4)***        | 71.0 (64.8-77.0)***     | 77.7 (71.6-83.4)           |
| Virginia             | 590          | 92.3 (87.4-95.9)           | 86.7 (81.1-91.2)           | 79.0 (73.1-83.9)***        | 90.3 (85.6-93.9)           | 89.2 (82.3-94.2)***        | 83.6 (77.5-88.3)           | 69.1 (62.1-76.0)        | 77.3 (71.3-82.9)           |
| West Virginia        | 471          | 89.1 (85.1-92.4)           | 78.3 (73.2-83.1)           | 75.8 (70.3-80.6)           | 88.4 (84.5-91.6)           | 76.3 (69.6-82.5)           | 72.0 (66.0-77.3)           | 51.8 (46.0-57.9)***     | 68.3 (62.6-73.8)           |
| <b>HHS Region IV</b> | <b>3,717</b> | <b>92.0 (90.6-93.3)***</b> | <b>81.1 (78.9-83.3)</b>    | <b>72.9 (70.3-75.3)</b>    | <b>84.2 (82.0-86.3)***</b> | <b>75.9 (72.1-79.5)</b>    | <b>74.4 (71.9-76.8)</b>    | <b>48.2 (45.4-51.0)</b> | <b>72.1 (69.6-74.6)***</b> |
| Alabama              | 479          | 92.2 (89.1-94.8)           | 80.9 (75.4-85.9)           | 81.8 (76.6-86.1)           | 86.7 (82.3-90.5)           | 75.1 (65.5-83.8)           | 73.0 (67.0-78.3)           | 40.5 (34.6-47.0)        | 71.9 (65.8-77.7)           |
| Florida              | 587          | 93.1 (90.0-95.6)           | 81.8 (76.5-86.5)           | 61.1 (54.6-67.2)           | 78.0 (72.2-83.4)           | 71.4 (62.7-79.6)           | 72.0 (66.0-77.4)           | 38.9 (32.8-45.7)        | 73.2 (67.4-78.8)           |
| Georgia              | 500          | 93.7 (89.8-96.5)           | 78.4 (72.5-83.7)           | 76.3 (69.8-81.8)           | 91.5 (87.2-94.8)***        | 84.2 (74.9-91.5)           | 77.9 (72.0-82.9)           | 48.1 (41.6-55.2)        | 70.8 (64.5-76.8)           |
| Kentucky             | 292          | 88.7 (82.3-93.5)           | 84.4 (77.6-90.0)           | 81.6 (74.6-87.1)           | 82.5 (75.6-88.4)           | 73.5 (63.5-82.6)           | 73.8 (66.1-80.3)           | 54.0 (46.0-62.4)***     | 70.0 (62.0-77.6)           |
| Mississippi          | 496          | 92.1 (88.9-94.8)           | 81.1 (75.9-85.9)           | 75.2 (69.0-80.6)           | 72.3 (66.1-78.2)           | 54.8 (46.6-63.4)           | 69.7 (62.8-75.9)           | 49.2 (42.6-56.4)***     | 74.1 (68.3-79.6)***        |
| North Carolina       | 548          | 92.4 (88.7-95.3)           | 84.5 (79.6-88.8)           | 78.5 (72.9-83.2)           | 85.3 (80.6-89.3)           | 74.6 (67.8-80.9)           | 76.0 (69.9-81.2)           | 65.7 (59.8-71.6)        | 80.1 (75.0-84.8)***        |
| South Carolina       | 472          | 88.0 (83.6-91.7)           | 79.4 (73.7-84.5)           | 77.2 (71.2-82.2)           | 87.9 (83.7-91.4)           | 82.2 (74.3-88.8)           | 78.8 (73.2-83.5)           | 42.5 (36.5-49.0)        | 65.9 (59.8-72.0)           |
| Tennessee            | 343          | 90.6 (84.9-94.8)           | 78.3 (70.8-85.0)           | 75.8 (69.2-81.3)***        | 90.4 (85.5-94.3)           | 83.4 (72.6-91.8)           | 73.7 (65.7-80.4)           | 53.2 (45.4-61.5)        | 64.3 (56.0-72.5)           |
| <b>HHS Region V</b>  | <b>2,953</b> | <b>90.6 (88.7-92.4)</b>    | <b>82.2 (79.9-84.3)***</b> | <b>79.3 (77.0-81.5)***</b> | <b>87.5 (85.5-89.4)***</b> | <b>79.2 (76.1-82.2)***</b> | <b>76.4 (73.9-78.7)***</b> | <b>59.4 (56.7-62.1)</b> | <b>73.1 (70.6-75.5)***</b> |
| Illinois             | 757          | 93.5 (90.7-95.7)           | 85.4 (81.7-88.7)           | 78.9 (74.6-82.6)***        | 88.8 (85.3-91.8)           | 80.1 (74.4-85.3)           | 77.5 (72.9-81.4)           | 58.6 (53.4-63.9)        | 75.5 (70.9-79.9)           |
| IL-City of Chicago   | 250          | 94.8 (90.9-97.4)           | 81.1 (73.3-87.7)           | 81.4 (74.2-87.0)           | 93.4 (88.4-96.8)           | 82.6 (71.9-91.0)           | 73.7 (65.3-80.7)           | 61.3 (51.9-70.8)        | 68.9 (59.1-78.4)           |
| IL-Rest of State     | 507          | 93.0 (89.5-95.7)           | 86.7 (82.6-90.3)           | 78.1 (72.9-82.6)***        | 87.2 (82.8-91.0)           | 79.0 (72.0-85.2)           | 78.7 (73.2-83.3)           | 57.7 (51.5-64.1)        | 77.6 (72.5-82.3)           |
| Indiana              | 466          | 89.7 (85.9-92.8)           | 78.2 (72.9-83.1)           | 80.9 (75.6-85.3)           | 88.0 (83.7-91.6)           | 74.9 (66.3-82.7)           | 74.7 (68.7-80.0)           | 53.9 (47.7-60.3)        | 67.6 (61.8-73.3)           |
| Michigan             | 511          | 92.0 (87.7-95.2)           | 84.8 (79.6-89.2)           | 78.7 (73.4-83.2)           | 91.5 (88.1-94.3)***        | 84.2 (77.5-89.8)***        | 75.4 (69.3-80.5)           | 60.9 (54.6-67.2)        | 75.5 (69.8-80.8)           |
| Minnesota            | 334          | 96.1 (92.8-98.2)***        | 86.9 (80.1-92.2)***        | 72.5 (64.4-79.4)           | 90.0 (84.1-94.5)           | 82.8 (73.3-90.4)           | 81.4 (73.8-87.1)***        | 73.6 (65.6-81.1)***     | 77.3 (70.1-83.8)***        |
| Ohio                 | 449          | 83.1 (76.2-88.9)           | 74.6 (67.8-81.0)           | 79.8 (72.8-85.4)           | 80.5 (73.6-86.5)           | 76.8 (68.4-84.2)***        | 72.6 (65.5-78.8)           | 52.6 (45.8-59.7)        | 68.9 (62.0-75.6)           |
| Wisconsin            | 436          | 92.3 (88.2-95.4)           | 85.6 (80.4-89.9)           | 85.3 (80.7-88.9)***        | 88.8 (84.2-92.5)***        | 75.4 (67.6-82.4)           | 80.0 (74.2-84.8)           | 64.4 (58.1-70.7)        | 74.6 (68.8-80.0)           |
| <b>HHS Region VI</b> | <b>4,629</b> | <b>89.3 (87.7-90.7)</b>    | <b>78.3 (76.3-80.3)</b>    | <b>76.7 (74.6-78.8)</b>    | <b>86.9 (85.2-88.5)</b>    | <b>79.1 (76.2-81.8)</b>    | <b>71.8 (69.6-73.9)</b>    | <b>50.2 (47.9-52.6)</b> | <b>68.1 (65.9-70.4)</b>    |

|                        |              |                                 |                                 |                                       |                                       |                         |                                 |                                 |                         |
|------------------------|--------------|---------------------------------|---------------------------------|---------------------------------------|---------------------------------------|-------------------------|---------------------------------|---------------------------------|-------------------------|
| Arkansas               | 504          | 91.5 (87.4-94.7)                | 77.4 (71.8-82.6)                | 75.8 (69.7-81.0)                      | 87.4 (82.7-91.3)                      | 79.6 (71.2-86.8)        | 73.9 (67.7-79.2)                | 39.7 (33.9-46.1)                | 69.3 (63.4-75.1)        |
| Louisiana              | 475          | 91.6 (86.8-95.2)                | 76.5 (69.5-82.9)                | 75.2 (67.9-81.3)                      | 85.3 (79.5-90.2)                      | 71.4 (62.5-79.7)        | 71.9 (64.8-78.1)                | 45.2 (38.3-52.8)                | 68.5 (61.3-75.5)        |
| New Mexico             | 664          | 92.4 (89.3-94.9)                | 78.4 (73.5-83.0) <sup>§§§</sup> | 73.0 (67.9-77.5)                      | 90.0 (86.7-92.8)                      | 81.1 (75.2-86.4)        | 75.2 (69.6-80.0)                | 56.7 (50.9-62.5)                | 65.5 (60.0-70.9)        |
| Oklahoma               | 494          | 89.3 (85.6-92.4)                | 81.4 (76.8-85.6)                | 76.2 (70.9-80.8)                      | 86.3 (82.3-89.9)                      | 77.1 (70.7-83.0)        | 69.4 (63.8-74.5)                | 51.6 (45.9-57.6)                | 71.1 (65.9-76.1)        |
| Texas <sup>††††</sup>  | 2,492        | 88.5 (86.4-90.4)                | 78.2 (75.6-80.8)                | 77.4 (74.6-79.9)                      | 87.0 (84.8-89.0)                      | 80.6 (76.8-84.1)        | 71.7 (68.9-74.4)                | 51.4 (48.4-54.5)                | 67.7 (64.8-70.6)        |
| TX-Bexar County        | 362          | 92.6 (87.8-95.9)                | 80.6 (74.7-85.9)                | 78.4 (72.4-83.4)                      | 91.3 (86.5-94.9)                      | 79.8 (71.1-87.2)        | 79.1 (73.0-84.1) <sup>***</sup> | 58.2 (51.5-65.2)                | 72.6 (66.2-78.7)        |
| TX-City of Houston     | 265          | 90.8 (84.7-95.2)                | 78.7 (71.2-85.3)                | 82.0 (74.2-87.7)                      | 92.1 (86.4-96.1)                      | 85.6 (76.7-92.4)        | 76.2 (68.7-82.3)                | 58.8 (50.4-67.4)                | 72.4 (64.6-79.7)        |
| TX-Dallas County       | 237          | 82.0 (74.7-88.2) <sup>§§§</sup> | 68.1 (59.6-76.3) <sup>§§§</sup> | 79.4 (72.2-85.2)                      | 78.8 (71.1-85.7) <sup>§§§</sup>       | -- <sup>†††</sup>       | 63.0 (54.2-71.0)                | 43.7(35.7-52.7)                 | 56.7 (48.3-65.5)        |
| TX-El Paso County      | 190          | 94.7 (90.3-97.5)                | 82.2 (73.2-89.6)                | 82.4 (72.9-89.0)                      | 91.9 (86.5-95.7)                      | 87.0 (76.2-94.5)        | -- <sup>†††</sup>               | 40.8 (31.6-51.5)                | 71.4 (61.2-80.9)        |
| TX-Hidalgo County      | 156          | -- <sup>†††</sup>               | -- <sup>†††</sup>               | 93.1 (85.7-96.8)                      | -- <sup>†††</sup>                     | -- <sup>†††</sup>       | -- <sup>†††</sup>               | -- <sup>†††</sup>               | -- <sup>†††</sup>       |
| TX-Tarrant County      | 210          | 92.0 (86.2-96.1)                | 82.0 (75.4-87.7)                | 72.0 (62.1-80.1) <sup>§§§</sup>       | 92.1 (86.7-96.0)                      | -- <sup>†††</sup>       | 72.8 (63.6-80.4)                | 67.6 (59.1-75.8) <sup>***</sup> | 69.0 (60.2-77.4)        |
| TX-Rest of State       | 1,072        | 88.0 (84.9-90.7)                | 79.5 (75.6-83.1)                | 75.0 (70.4-79.1)                      | 85.8 (82.4-88.8)                      | 78.0 (72.1-83.4)        | 72.5 (68.2-76.4)                | 49.1 (44.6-53.8)                | 67.8 (63.4-72.1)        |
| <b>HHS Region VII</b>  | <b>1,637</b> | <b>90.6 (88.3-92.6)</b>         | <b>78.2 (75.1-81.2)</b>         | <b>81.8 (79.0-84.3)<sup>***</sup></b> | <b>84.9 (82.3-87.4)</b>               | <b>74.3 (69.2-79.3)</b> | <b>74.6 (71.4-77.5)</b>         | <b>55.5 (52.1-59.1)</b>         | <b>69.6 (66.2-72.8)</b> |
| Iowa                   | 323          | 91.2 (86.2-94.8)                | 81.2 (74.7-86.8)                | 82.8 (76.6-87.6)                      | 86.2 (81.0-90.6)                      | 73.8 (64.9-81.9)        | 75.5 (68.7-81.2)                | 43.5 (36.7-50.9)                | 71.4 (64.4-78.0)        |
| Kansas                 | 517          | 92.8 (90.0-95.1)                | 77.8 (72.5-82.7)                | 82.8 (78.4-86.5) <sup>***</sup>       | 89.8 (86.1-92.9)                      | 79.4 (72.8-85.3)        | 80.1 (75.4-84.1)                | 59.6 (53.9-65.4)                | 71.7 (66.2-77.0)        |
| Missouri               | 436          | 87.5 (82.8-91.5)                | 74.5 (68.5-80.1)                | 80.0 (74.6-84.5)                      | 80.0 (74.7-84.8)                      | 70.1 (60.5-79.2)        | 69.2 (63.1-74.7)                | 53.6 (47.4-60.1)                | 64.1 (58.0-70.2)        |
| Nebraska               | 361          | 95.3 (92.1-97.5)                | 85.1 (79.6-89.7)                | 84.0 (78.8-88.1)                      | 89.8 (85.5-93.2)                      | 78.2 (70.7-84.8)        | 80.2 (74.1-85.2)                | 72.8 (66.6-78.7)                | 78.7 (72.9-84.0)        |
| <b>HHS Region VIII</b> | <b>2,420</b> | <b>91.2 (88.8-93.2)</b>         | <b>78.3 (74.6-81.8)</b>         | <b>77.7 (74.1-81.0)</b>               | <b>86.9 (84.3-89.2)<sup>***</sup></b> | <b>79.5 (74.5-84.1)</b> | <b>77.4 (74.0-80.5)</b>         | <b>63.1 (59.3-66.9)</b>         | <b>70.6 (66.7-74.4)</b> |
| Colorado               | 390          | 92.8 (87.7-96.3)                | 76.1 (68.4-83.2)                | 72.4 (64.5-79.1)                      | 87.7 (82.2-92.1)                      | 80.6 (72.3-87.6)        | 78.9 (71.8-84.7)                | 69.2 (61.7-76.5)                | 67.9 (59.9-75.7)        |
| Montana                | 421          | 88.8 (84.4-92.5)                | 72.6 (66.5-78.5)                | 74.3 (68.7-79.2)                      | 78.0 (72.8-82.8)                      | 64.2 (56.6-71.8)        | 68.7 (62.5-74.3)                | 60.7 (54.6-66.9)                | 61.8 (55.6-68.0)        |
| North Dakota           | 383          | 93.2 (89.9-95.8)                | 77.2 (71.5-82.5) <sup>§§§</sup> | 85.5 (80.1-89.6)                      | 89.3 (84.9-92.9)                      | 82.5 (71.7-90.9)        | 79.4 (74.0-83.9)                | 68.3 (62.3-74.3)                | 71.6 (65.6-77.4)        |
| South Dakota           | 379          | 87.6 (82.7-91.7)                | 75.2 (69.1-80.9)                | 79.9 (73.6-84.9)                      | 85.6 (80.5-89.8)                      | 78.5 (67.8-87.6)        | 71.6 (65.0-77.3)                | 70.2 (63.9-76.4)                | 68.9 (62.5-75.1)        |
| Utah                   | 446          | 90.4 (86.4-93.6)                | 83.9 (78.8-88.4)                | 84.5 (79.7-88.3)                      | 89.8 (85.7-93.1)                      | -- <sup>†††</sup>       | 79.4 (73.7-84.2)                | 53.7 (47.4-60.3)                | 76.6 (71.2-81.6)        |
| Wyoming                | 401          | 89.0 (84.4-92.6)                | 77.0 (71.5-82.2)                | 69.0 (62.9-74.6)                      | 73.6 (68.2-78.8)                      | 62.9 (55.0-70.8)        | 71.7 (65.6-77.1)                | 55.5 (49.5-61.7) <sup>***</sup> | 70.0 (64.2-75.5)        |

|                      |              |                         |                         |                            |                         |                         |                            |                            |                         |
|----------------------|--------------|-------------------------|-------------------------|----------------------------|-------------------------|-------------------------|----------------------------|----------------------------|-------------------------|
| <b>HHS Region IX</b> | <b>1,797</b> | <b>88.6 (83.8-92.5)</b> | <b>78.3 (72.3-83.7)</b> | <b>75.0 (68.8-80.3)***</b> | <b>84.9 (79.7-89.4)</b> | <b>72.7 (65.1-79.9)</b> | <b>76.1 (70.1-81.3)***</b> | <b>61.9 (55.6-68.2)</b>    | <b>66.1 (59.6-72.5)</b> |
| Arizona              | 423          | 90.5 (85.9-94.0)        | 76.4 (70.4-81.9)        | 83.8 (79.1-87.6)***        | 86.5 (81.5-90.7)        | 70.7 (63.4-77.7)        | 74.1 (67.8-79.5)           | 61.8 (55.4-68.2)***        | 67.2 (60.8-73.3)        |
| California           | 488          | 88.2 (82.0-93.1)        | 78.9 (71.2-85.8)        | 73.0 (65.0-79.7)***        | 84.4 (77.7-90.0)        | 71.9 (61.7-81.3)        | 76.9 (69.1-83.2)***        | 63.3 (55.3-71.3)           | 65.9 (57.6-74.1)        |
| Hawaii               | 354          | 87.2 (82.2-91.3)        | 78.9 (73.0-84.2)        | 82.2 (76.2-86.9)           | 86.4 (81.2-90.7)        | 73.7 (64.3-82.4)        | 72.4 (66.0-78.1)           | 53.2 (46.3-60.5)           | 70.8 (64.4-76.9)        |
| Nevada               | 532          | 89.7 (85.7-93.0)        | 75.0 (69.0-80.6)        | 78.1 (72.5-82.8)           | 86.4 (81.8-90.3)        | 81.7 (74.1-88.1)        | 72.6 (66.3-78.2)           | 47.9 (41.3-54.9)           | 64.9 (58.5-71.2)        |
| <b>HHS Region X</b>  | <b>1,462</b> | <b>91.3 (88.8-93.5)</b> | <b>78.7 (75.1-82.2)</b> | <b>74.8 (71.0-78.2)</b>    | <b>88.7 (85.8-91.3)</b> | <b>79.3 (73.8-84.3)</b> | <b>75.3 (71.4-78.8)</b>    | <b>63.9 (59.8-68.0)***</b> | <b>69.1 (65.2-72.9)</b> |
| Alaska               | 373          | 85.2 (80.3-89.4)        | 73.8 (67.4-79.7)        | 67.9 (61.6-73.7)           | 83.0 (77.7-87.7)        | 74.9 (65.4-83.4)        | 65.4 (58.7-71.6)           | 49.3 (43.1-55.9)           | 65.0 (58.6-71.2)        |
| Idaho                | 309          | 92.7 (88.5-95.8)        | 80.7 (74.4-86.2)        | 73.1 (66.2-79.0)           | 91.8 (87.6-95.1)***     | 75.9 (66.7-84.2)        | 79.3 (72.5-84.7)           | 58.2 (50.9-65.7)           | 71.2 (64.3-77.8)        |
| Oregon               | 265          | 92.7 (87.6-96.3)        | 72.6 (64.1-80.5)        | 79.4 (72.1-85.1)           | 91.1 (84.7-95.6)        | 83.9 (73.3-92.0)        | 73.7 (65.6-80.4)           | 60.6 (52.1-69.2)           | 62.8 (54.4-71.2)        |
| Washington           | 515          | 91.0 (87.0-94.1)        | 81.9 (76.8-86.5)        | 73.7 (67.7-78.8)           | 87.4 (83.0-91.2)        | 78.0 (70.6-84.6)        | 76.2 (70.3-81.3)           | 68.6 (62.7-74.3)           | 72.3 (66.7-77.7)        |
| <b>Territories</b>   |              |                         |                         |                            |                         |                         |                            |                            |                         |
| Guam                 | 306          | 76.0 (67.9-83.3)        | 55.8 (46.8-65.3)        | 92.6 (86.9-96.0)           | 72.9 (64.4-80.9)        | --†††                   | 49.4 (40.6-58.2)           | 53.8 (44.9-63.1)           | 45.9 (37.4-55.2)        |
| Puerto Rico****      | 190          | 82.9 (75.5-89.1)        | 76.2 (68.1-83.4)        | 79.8 (72.5-85.5)           | 85.1 (77.7-91.0)        | --†††                   | 66.4 (57.9-73.9)           | 30.0 (22.3-39.5)           | 60.9 (52.3-69.6)        |

**Abbreviations:** CI = confidence interval; DTaP = diphtheria, tetanus toxoids, and acellular pertussis vaccine; HepA = hepatitis A vaccine; HepB = hepatitis B vaccine; Hib = *Haemophilus influenzae* type b conjugate vaccine; MMR = measles, mumps, and rubella vaccine; PCV = pneumococcal conjugate vaccine; VAR = varicella vaccine.

\* The combined 7-vaccine series (4:3:1:3\*:3:1:4) includes ≥4 doses of DTaP, ≥3 doses of poliovirus vaccine, ≥1 dose of measles-containing vaccine, the full series of Hib (≥3 or ≥4 doses, depending on product type), ≥3 doses of HepB, ≥1 dose of VAR, and ≥4 doses of PCV. Coverage estimates for vaccines not included in this table can be found at: <https://www.cdc.gov/vaccines/imz-managers/coverage/childvaxview/data-reports/index.html>.

† Includes vaccinations received by age 24 months (before the day the child turns 24 months), except for the HepB birth dose, rotavirus vaccination, and ≥2 HepA doses by 35 months. For all vaccines except the HepB birth dose and rotavirus vaccination, the Kaplan-Meier method was used to estimate vaccination coverage to account for children whose vaccination history was ascertained before age 24 months (35 months for ≥2 HepA doses).

§ Data for the 2016 birth year are from survey years 2017, 2018, and 2019; data for the 2017 birth year are considered preliminary and are from survey years 2018 and 2019 (2020 data are not yet available).

¶ Includes children who may have been vaccinated with measles, mumps, rubella, and varicella combination vaccine.

\*\* Includes children who may have been vaccinated with diphtheria and tetanus toxoids vaccine or diphtheria, tetanus toxoids, and pertussis vaccine.

†† One dose HepB administered from birth through age 3 days.

§§ Includes ≥2 doses of Rotarix monovalent rotavirus vaccine (RV1), or ≥3 doses of RotaTaq pentavalent rotavirus vaccine (RV5). (If any dose is RotaTaq or unknown, default to the 3-dose series.) The maximum age for the final rotavirus dose is 8 months, 0 days.

¶¶ Doses must be at least 24 days apart (four weeks with a four-day grace period); doses could have been received during two influenza seasons.

\*\*\* Statistically significant increase in estimated coverage compared to children born in 2014-2015 ( $p < 0.05$ ).

††† Estimate not available because the unweighted sample size for the denominator was <30, or 95% CI half width/estimate >0.588, or 95% CI half-width was ≥ 10.

§§§ Statistically significant decrease in estimated coverage compared to children born in 2014-2015 ( $p < 0.05$ ).

¶¶¶ Hidalgo and Tarrant counties were targeted for oversampling in 2018 only, while Dallas and El Paso counties were oversampled in 2017 and 2019. Estimates for Hidalgo, Tarrant, Dallas, and El Paso counties used survey weights specific to the 2016-2017 birth years based on population totals for the area of Texas excluding Bexar County and the City of Houston.

\*\*\*\* Data collection in Puerto Rico was suspended during 2017 due to the severity of the hurricane season and did not occur at all in 2018. Therefore, estimates for Puerto Rico are based on partial data from 2017 and data collected in the full 2019 survey year.