

Difference^ in Estimated Vaccination Coverage with Individual Vaccines and Selected Vaccination Series

Among Children 19-35 Months of Age by State and Local Area

US, National Immunization Survey, (Q1/2008-Q4/2008) - (Q1/2007-Q4/2007)\*

	4+DTaP <sup>†</sup>	3+Polio <sup>‡</sup>	1+MMR <sup>§</sup>	3+Hib <sup>  </sup>	3+HepB <sup>¶</sup>	1+Var <sup>**</sup>	3+PCV7 <sup>††</sup>	4+PCV7 <sup>‡‡</sup>	4:3:1:3 <sup>§§</sup>	4:3:1:3:3 <sup>   </sup>	4:3:1:3:3:1 <sup>¶¶</sup>	4:3:1:3:3:1:4 <sup>***</sup>
US National	0.1±1.3	<b>1.0±1.0</b>	-0.2±1.0	<b>-1.7±1.0</b>	0.9±1.0	0.7±1.0	<b>2.9±1.0</b>	<b>4.8±1.6</b>	<b>-2.2±1.4</b>	<b>-2.0±1.5</b>	-1.3±1.5	<b>2.0±1.7</b>
Alabama	-2.3±7.8	-2.8±5.0	-1.4±4.7	-4.1±5.2	-4.1±5.1	1.0±5.9	-4.6±4.7	-3.3±8.4	-4.7±8.0	-5.3±8.2	-3.1±8.8	-0.1±9.6
Alaska	-2.5±8.3	-1.1±5.2	-1.3±6.5	-2.2±5.7	-0.8±4.9	-2.7±8.7	0.2±5.4	-3.3±8.5	-2.7±8.6	-2.4±8.6	-0.8±9.7	-1.0±10.2
Arizona	-0.8±8.0	1.8±6.5	3.2±6.5	0.4±6.2	2.2±4.9	5.1±6.9	1.8±7.0	2.2±9.0	-2.0±8.4	-1.0±8.6	1.2±9.2	3.1±9.8
Arkansas	2.6±8.1	1.4±6.2	-0.3±5.1	-0.8±6.5	1.9±5.0	0.7±6.5	4.7±6.2	<b>9.3±8.9</b>	1.7±8.2	3.0±8.4	3.2±8.9	7.5±9.4
California	1.9±5.3	3.4±3.7	-1.9±3.6	1.3±3.6	3.1±4.1	-0.8±3.8	1.6±3.5	4.2±6.2	0.6±5.9	1.1±6.1	1.6±6.3	2.8±7.2
CA-Los Angeles County	2.5±6.8	1.3±4.0	<b>-4.7±4.6</b>	-2.1±4.1	2.9±4.3	-1.7±4.6	0.8±4.0	5.4±8.0	-2.9±7.4	-1.6±7.6	-1.9±7.9	2.6±8.9
CA-Rest of State	1.6±6.8	4.2±4.9	-0.8±4.7	2.7±4.7	3.2±5.4	-0.4±4.9	2.0±4.6	3.8±7.9	2.0±7.6	2.2±7.9	2.9±8.1	2.8±9.3
Colorado	4.4±9.3	-0.1±4.3	1.0±7.0	-6.8±6.9	0.6±5.7	1.3±8.1	0.8±5.0	<b>11.8±10.9</b>	0.5±9.8	2.2±10.3	1.4±10.4	9.9±11.7
Connecticut	-2.8±6.3	1.7±2.2	0.0±4.2	<b>-14.1±6.8</b>	0.6±2.7	-1.0±5.2	2.8±3.6	2.8±6.2	<b>-15.9±8.3</b>	<b>-16.8±8.3</b>	<b>-16.9±8.8</b>	<b>-15.2±9.5</b>
Delaware	-2.5±7.5	-1.9±5.8	-1.7±5.6	-5.6±6.1	0.2±3.7	2.3±4.8	0.2±5.5	2.5±8.8	-8.3±8.7	<b>-8.8±8.8</b>	-8.5±8.9	-4.7±9.7
District of Columbia	-0.5±7.9	-3.6±5.6	<b>-5.5±5.5</b>	-4.5±5.5	-2.4±5.2	-3.5±5.5	2.6±6.4	1.3±8.4	-3.3±8.5	-4.2±8.6	-4.0±8.7	-2.2±9.7
Florida	3.4±6.6	-0.3±4.9	-0.7±5.4	-0.6±5.2	-0.2±4.1	0.5±5.8	<b>6.2±5.6</b>	<b>12.7±8.4</b>	-0.2±7.0	-0.6±7.1	-0.4±7.3	<b>9.2±8.8</b>
FL-Miami-Dade County	1.1±7.6	-3.6±5.4	<b>-6.8±5.9</b>	-1.8±5.6	2.4±4.9	-3.0±7.0	3.3±7.4	5.8±11.3	-3.7±8.0	-1.3±8.6	1.7±9.0	5.4±11.3
FL-Rest of State	3.8±7.6	0.3±5.7	0.4±6.3	-0.3±6.0	-0.6±4.7	1.1±6.7	<b>6.8±6.5</b>	<b>14.0±9.7</b>	0.4±8.1	-0.5±8.2	-0.8±8.5	9.8±10.1
Georgia	-6.5±8.4	-0.8±4.8	1.3±5.6	-5.0±6.7	-0.3±5.1	-1.0±6.3	0.3±5.1	6.1±8.9	<b>-9.0±8.9</b>	-8.1±9.1	-7.7±9.1	1.5±10.1
Hawaii	<b>-9.1±7.6</b>	-3.2±4.6	1.0±4.7	<b>-5.9±5.3</b>	-4.1±6.0	-2.9±4.9	2.6±5.0	3.4±8.3	<b>-10.5±7.9</b>	<b>-9.6±8.1</b>	<b>-10.1±8.1</b>	-3.0±9.2
Idaho	0.4±8.6	4.2±6.1	0.0±7.4	<b>-8.7±7.9</b>	4.5±5.8	5.2±8.6	5.3±7.0	8.2±9.5	<b>-9.4±9.2</b>	<b>-9.9±9.3</b>	-5.2±9.9	1.2±10.2
Illinois	0.7±6.0	1.4±4.3	-2.1±3.8	1.4±4.1	2.5±3.6	-0.4±4.8	2.1±5.0	0.2±6.6	0.9±6.2	1.2±6.3	1.2±6.6	-0.8±7.1
IL-City of Chicago	6.0±8.7	2.6±6.3	-0.5±6.0	-1.4±6.8	3.6±5.9	0.4±5.5	3.5±6.6	7.0±9.3	4.9±9.0	6.8±9.1	7.1±9.1	<b>9.8±9.5</b>
IL-Rest of State	-1.1±7.4	0.9±5.3	-2.7±4.7	2.3±4.9	2.1±4.5	-0.6±6.1	1.5±6.3	-2.2±8.2	-0.4±7.8	-0.7±7.8	-0.7±8.3	-4.4±9.0
Indiana	5.0±6.5	3.3±3.9	-2.4±5.8	-1.3±5.4	2.0±3.7	-0.4±5.8	<b>5.9±5.1</b>	<b>9.1±7.9</b>	0.7±7.3	1.7±7.3	1.5±7.6	<b>8.6±8.4</b>
Iowa	1.2±7.9	-1.2±5.3	-1.7±5.8	-4.0±5.9	0.8±5.3	-0.4±6.6	0.7±6.0	<b>9.3±8.6</b>	-3.0±8.4	-2.8±8.4	-1.2±8.7	3.0±9.5
Kansas	-1.4±7.1	-0.3±3.9	-1.1±5.1	0.1±4.6	-0.7±4.2	1.5±6.2	2.8±5.9	5.7±8.1	-2.7±7.8	-3.6±8.1	0.7±8.5	4.7±9.4
Kentucky	0.8±7.6	1.5±5.3	-0.6±6.4	-5.3±6.8	-1.3±5.5	-0.2±7.1	4.7±6.8	<b>9.9±8.6</b>	-2.9±8.5	-4.1±8.6	-4.2±8.9	3.2±9.5
Louisiana	<b>7.7±7.2</b>	3.0±3.7	1.3±4.3	1.0±4.9	1.0±3.9	3.5±4.4	<b>5.3±4.5</b>	2.0±8.1	6.7±7.4	5.3±7.6	4.9±7.7	5.6±9.0
Maine	3.6±6.6	4.2±5.2	1.6±6.0	<b>-8.0±6.0</b>	3.0±6.3	4.6±6.5	1.5±5.5	1.8±7.6	-1.5±7.9	-1.4±8.5	0.7±8.9	-0.4±9.5
Maryland	<b>-5.7±4.8</b>	-1.8±3.0	-2.6±3.1	<b>-4.4±3.1</b>	-3.2±3.7	<b>-4.6±3.5</b>	-0.6±5.1	-0.1±7.5	<b>-8.5±5.2</b>	<b>-9.8±5.6</b>	<b>-11.1±5.8</b>	-6.4±8.4
Massachusetts	-2.8±7.1	<b>5.4±5.2</b>	1.1±6.2	1.2±2.6	0.7±3.6	<b>7.9±6.2</b>	0.7±4.3	3.0±7.9	0.9±8.3	0.0±8.6	4.4±9.2	0.2±9.7
Michigan	2.1±8.1	6.0±6.6	-1.4±6.9	-0.4±7.7	3.9±6.1	-2.1±7.1	<b>6.9±6.9</b>	<b>11.4±9.3</b>	-3.7±9.0	-3.8±9.1	-4.3±9.3	2.9±10.1
Minnesota	-1.6±6.3	1.2±3.9	-3.1±4.4	<b>-7.9±5.4</b>	1.2±4.4	1.0±5.9	-2.8±4.2	-2.9±8.1	<b>-8.5±7.3</b>	-7.2±7.5	-5.9±8.1	-6.0±9.0
Mississippi	1.3±8.6	2.8±6.0	2.0±7.2	-3.6±8.3	1.4±5.2	3.7±6.7	4.5±6.9	9.0±10.1	-2.1±9.4	-2.1±9.4	-1.3±9.4	7.7±10.2
Missouri	1.3±8.3	-2.9±5.4	2.6±6.6	-5.6±5.7	-0.7±6.2	-1.3±6.7	-0.2±7.1	1.0±9.0	-2.5±8.5	-1.2±8.9	-3.2±9.4	-3.3±10.0
Montana	-4.7±8.5	-1.7±6.8	-3.7±6.5	<b>-9.4±7.1</b>	-5.8±6.6	-0.8±8.4	-3.2±6.7	1.0±9.2	<b>-9.3±8.8</b>	<b>-9.5±9.0</b>	-6.1±9.6	-1.9±9.8
Nebraska	-2.9±6.9	-3.4±4.7	-2.1±5.0	<b>-13.0±5.8</b>	-3.9±4.5	-4.6±5.4	1.4±6.0	-3.1±8.6	<b>-9.6±7.9</b>	<b>-10.5±7.9</b>	<b>-11.4±8.3</b>	<b>-11.3±9.5</b>
Nevada	4.6±9.5	5.0±7.3	1.7±6.6	1.2±7.7	0.5±7.4	3.5±7.2	4.9±8.5	2.0±10.0	4.4±9.6	3.4±9.8	4.7±10.0	3.5±10.3
New Hampshire	-4.5±5.4	-2.6±3.7	-1.8±3.9	-1.6±3.7	<b>-3.7±3.2</b>	-4.0±4.7	-2.5±4.2	-0.7±7.0	<b>-7.8±6.1</b>	<b>-8.2±6.1</b>	<b>-9.6±6.8</b>	-5.8±8.6
New Jersey	-4.7±8.3	-3.0±6.3	-1.3±7.0	1.1±5.4	-0.4±6.0	-6.6±6.8	7.1±7.6	5.5±10.0	-7.3±8.6	<b>-9.5±8.7</b>	<b>-12.1±9.0</b>	-2.6±10.2
New Mexico	3.5±8.8	1.6±7.1	0.0±5.7	1.4±8.0	0.5±6.8	0.5±6.1	5.6±7.2	<b>11.3±9.4</b>	0.8±9.2	0.1±9.3	1.0±9.5	7.5±10.0
New York	-4.4±4.5	1.1±3.2	-1.4±3.1	-1.5±3.7	-0.7±3.4	-0.2±4.5	3.4±3.9	5.1±5.9	<b>-7.0±5.1</b>	<b>-6.7±5.3</b>	-4.4±5.9	0.0±6.7

**Difference<sup>^</sup> in Estimated Vaccination Coverage with Individual Vaccines and Selected Vaccination Series  
Among Children 19-35 Months of Age by State and Local Area  
US, National Immunization Survey, (Q1/2008-Q4/2008) - (Q1/2007-Q4/2007)\***

	4+DTaP <sup>†</sup>	3+Polio <sup>‡</sup>	1+MMR <sup>§</sup>	3+Hib <sup>  </sup>	3+HepB <sup>¶</sup>	1+Var <sup>**</sup>	3+PCV7 <sup>††</sup>	4+PCV7 <sup>††</sup>	4:3:1:3 <sup>§§</sup>	4:3:1:3:3 <sup>   </sup>	4:3:1:3:3:1 <sup>¶¶</sup>	4:3:1:3:3:1:4 <sup>***</sup>
NY-City of New York	1.2±6.3	3.6±4.5	1.5±4.4	-0.5±5.2	2.5±5.0	1.7±5.4	4.3±5.5	4.8±7.6	-0.8±7.1	-1.1±7.4	-0.9±7.9	2.3±8.7
NY-Rest of State	<b>-9.8±6.4</b>	-1.4±4.6	-4.0±4.5	-2.4±5.4	-3.8±4.6	-2.0±7.1	2.6±5.6	5.3±8.9	<b>-12.9±7.2</b>	<b>-12.0±7.5</b>	-7.8±8.7	-2.2±10.0
North Carolina	-1.7±7.6	1.4±4.6	<b>-4.6±4.1</b>	<b>-10.0±6.5</b>	1.9±5.9	-1.1±5.5	3.2±5.3	1.0±8.1	<b>-8.9±7.9</b>	-7.6±8.7	-6.4±9.1	-5.7±9.6
North Dakota	-4.5±7.4	-2.7±3.1	-4.6±4.8	<b>-10.2±5.5</b>	-2.3±3.0	<b>-6.5±6.0</b>	-3.5±4.7	-0.4±7.7	<b>-8.0±7.9</b>	-7.5±7.9	-7.3±8.4	-3.3±8.9
Ohio	-0.5±7.7	3.0±3.9	3.2±4.8	1.4±5.9	-2.4±5.8	4.3±5.1	<b>8.9±5.1</b>	3.9±8.8	2.5±8.0	2.5±8.2	4.1±8.4	7.0±9.4
Oklahoma	-4.1±8.9	-3.9±6.8	2.5±6.6	-1.8±8.1	-1.6±6.3	0.8±6.7	5.8±8.7	7.4±10.9	-4.9±9.2	-6.5±9.3	-6.8±9.3	3.1±10.8
Oregon	1.9±9.8	<b>7.1±6.9</b>	3.1±6.6	-0.5±8.3	5.5±7.0	6.2±7.5	5.3±8.0	9.4±10.2	-0.6±10.4	-0.1±10.5	0.5±10.6	5.6±10.9
Pennsylvania	1.8±5.3	0.4±4.2	-1.6±3.9	-3.3±4.2	0.1±4.6	0.5±4.1	0.3±4.1	4.7±6.3	-1.2±6.1	-1.0±6.4	-1.1±6.6	2.9±7.4
PA-Philadelphia County	-3.8±7.2	1.6±4.6	0.9±5.6	2.3±5.2	2.1±3.7	1.8±5.4	1.7±6.3	-1.5±8.4	-2.6±7.8	-3.0±7.8	-2.8±8.1	-1.4±9.3
PA-Rest of State	2.8±6.1	0.2±4.9	-2.0±4.5	-4.3±4.9	-0.3±5.4	0.2±4.8	0.1±4.7	5.8±7.2	-0.9±7.0	-0.7±7.4	-0.8±7.7	3.7±8.5
Rhode Island	3.5±7.7	-0.9±3.5	-1.0±5.2	<b>-7.4±5.2</b>	-0.7±3.6	0.9±5.7	1.4±4.9	-6.8±7.8	-1.1±8.6	-0.5±8.8	2.4±9.3	-0.6±10.5
South Carolina	0.5±6.8	3.5±4.9	-4.0±5.6	-1.6±5.4	3.7±4.6	-2.2±5.6	0.2±4.9	-0.3±7.5	-3.2±7.1	-2.3±7.2	-1.1±7.3	-4.2±8.1
South Dakota	-4.4±6.8	-3.2±4.1	-1.3±4.0	<b>-5.7±5.0</b>	-2.4±4.0	4.8±6.4	<b>22.6±7.6</b>	<b>18.7±9.5</b>	-6.6±7.1	-6.3±7.1	0.5±8.3	<b>16.9±9.8</b>
Tennessee	2.9±7.6	0.2±5.5	1.0±5.3	-1.7±5.4	-2.2±6.0	0.4±5.9	3.5±5.6	<b>13.2±8.8</b>	2.3±7.9	2.6±8.4	2.5±8.6	9.3±9.8
Texas	0.9±5.7	-0.4±4.4	3.3±3.6	-1.1±4.2	1.3±4.4	3.1±3.7	3.2±4.1	3.5±6.5	-0.5±5.9	0.4±6.0	0.5±6.1	2.0±6.9
TX-Bexar County	-5.0±7.8	-1.4±5.2	1.9±5.5	-1.7±5.1	2.0±4.6	<b>6.7±5.2</b>	-1.7±5.8	5.1±7.7	-6.0±8.1	-5.4±8.3	-4.1±8.5	-3.0±9.0
TX-City of Houston	3.3±8.3	5.4±6.0	1.4±5.7	-1.0±5.6	2.8±6.0	0.4±5.9	<b>5.6±5.2</b>	5.3±8.6	0.9±8.6	-0.1±8.7	-1.0±8.9	0.0±9.3
TX-Dallas County	4.8±8.0	-1.5±5.6	1.5±5.7	-2.0±5.0	-4.4±6.3	-1.1±5.9	2.5±6.5	6.1±8.7	4.9±8.2	1.6±8.7	2.3±8.8	8.0±9.3
TX-El Paso County	-1.1±7.5	2.1±5.5	2.7±5.5	1.5±4.9	2.4±5.0	1.3±5.6	4.2±6.1	7.9±8.7	-1.2±7.9	-1.3±8.1	-2.6±8.2	3.7±9.3
TX-Rest of State	0.4±8.4	-1.4±6.4	4.1±5.2	-1.0±6.2	1.9±6.5	4.1±5.3	3.4±6.1	2.3±9.6	-1.1±8.7	0.9±8.8	1.1±8.9	1.7±10.2
Utah	0.9±8.7	-2.8±6.9	-0.1±6.3	-2.0±6.5	3.1±6.6	6.1±6.3	0.1±7.3	5.6±9.9	0.3±8.9	-0.4±9.2	3.0±9.5	4.2±10.7
Vermont	-2.2±9.5	-3.8±6.5	-5.5±6.9	-3.8±5.2	-1.5±6.2	-0.6±9.8	-2.7±6.5	-0.2±8.7	-6.1±9.8	-5.3±9.8	-2.8±10.8	-2.0±11.0
Virginia	-3.8±9.1	-3.0±6.4	1.4±6.5	-0.6±6.5	1.3±6.0	5.2±6.5	1.8±5.6	2.6±8.8	-7.7±9.7	-6.3±9.8	-2.5±10.1	0.1±10.5
Washington	1.8±7.3	3.6±6.6	0.7±5.2	-0.6±5.6	3.7±6.1	2.8±6.4	2.8±6.1	3.5±8.2	2.6±7.6	3.8±7.9	4.5±8.5	2.7±8.8
West Virginia	0.3±7.4	0.8±4.4	<b>-7.9±5.5</b>	-1.5±4.2	1.4±3.5	0.1±6.1	1.0±5.6	-3.4±9.1	-3.6±7.8	-2.6±7.9	0.9±8.2	-2.1±9.6
Wisconsin	6.2±8.4	0.2±5.4	2.9±6.0	-1.3±7.4	0.3±4.9	1.7±7.6	0.4±5.7	6.2±8.7	3.6±8.8	4.2±8.9	2.5±9.3	3.0±10.2
Wyoming	-5.0±8.5	-0.1±6.2	0.2±6.8	-5.0±7.8	0.7±6.2	6.0±7.8	4.3±7.4	1.2±9.2	<b>-9.7±8.9</b>	<b>-9.2±8.9</b>	-5.6±9.3	-2.4±9.7

<sup>^</sup> Difference over a one year time period from Q1/2007-Q4/2007 to Q1/2008-Q4/2008.

\* Children in the Q1/2008-Q4/2008 National Immunization Survey were born between January 2005 and June 2007.

Children in the Q1/2007-Q4/2007 National Immunization Survey were born between January 2004 and July 2006.

<sup>†</sup> 4 or more doses of any diphtheria and tetanus toxoids and pertussis vaccines including diphtheria and tetanus toxoids, and any acellular pertussis vaccine (DTaP/DTP/DT).

<sup>‡</sup> 3 or more doses of any poliovirus vaccine.

<sup>§</sup> 1 or more doses of measles-mumps-rubella vaccine.

<sup>||</sup> 3 or more doses of *Haemophilus influenzae* type b (Hib) vaccine.

<sup>¶</sup> 3 or more doses of hepatitis B vaccine.

<sup>\*\*</sup> 1 or more doses of varicella at or after child's first birthday, unadjusted for history of varicella illness.

<sup>††</sup> 3 or more doses of pneumococcal conjugate vaccine (PCV7).

<sup>††</sup> 4 or more doses of PCV7.

**Difference<sup>^</sup> in Estimated Vaccination Coverage with Individual Vaccines and Selected Vaccination Series  
Among Children 19-35 Months of Age by State and Local Area  
US, National Immunization Survey, (Q1/2008-Q4/2008) - (Q1/2007-Q4/2007)\***

**4+DTaP<sup>†</sup>    3+Polio<sup>‡</sup>    1+MMR<sup>§</sup>    3+Hib<sup>||</sup>    3+HepB<sup>¶</sup>    1+Var<sup>\*\*</sup>    3+PCV7<sup>††</sup>    4+PCV7<sup>††</sup>    4:3:1:3<sup>§§</sup>    4:3:1:3:3<sup>|||</sup>    4:3:1:3:3:1<sup>¶¶</sup>    4:3:1:3:3:1:4<sup>\*\*\*</sup>**

<sup>§§</sup> 4 or more doses of DTaP, 3 or more doses of poliovirus vaccine, 1 or more doses of MMR, and 3 or more doses of Hib.

<sup>|||</sup> 4:3:1:3 plus 3 or more doses of HepB.

<sup>¶¶</sup> 4:3:1:3:3 plus 1 or more doses of varicella vaccine.

<sup>\*\*\*</sup> 4:3:1:3:3:1 plus 4 or more doses of PCV7.

Note: Entries are % ± 95% Confidence Interval.

Bolded entries represent a statistically significant difference at the 0.05 level for differences in estimated vaccination coverage between Q1/2007-Q4/2007 and Q1/2008-Q4/2008.