

**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, Q1/2007-Q4/2007†

	4+DTaP [‡]	3+Polio [§]	1+MMR	3+Hib [¶]	3+HepB ^{**}	1+Var ^{††}	3+PCV ^{†††}	4+PCV ^{§§}	4:3:1:3 ^{¶¶}	4:3:1:3:3 ^{***}	4:3:1:3:3:1 ^{††††}	4:3:1:3:3:1:3 ^{†††††}	4:3:1:3:3:1:4 ^{¶¶¶}
US National	84.5±0.9	92.6±0.7	92.3±0.7	92.6±0.7	92.7±0.7	90.0±0.7	90.0±0.8	75.3±1.2	81.8±1.0	80.1±1.0	77.4±1.1	74.3±1.1	66.5±1.3
Alabama	85.4±5.2	94.9±3.1	95.0±2.8	95.4±3.3	95.1±2.9	92.0±4.5	95.8±2.5	79.6±5.7	83.9±5.3	81.6±5.6	78.2±6.3	76.7±6.4	67.3±7.0
Alaska	81.7±5.6	92.9±3.6	89.7±4.1	91.8±3.9	93.9±3.5	80.5±6.0	91.9±3.9	80.9±6.0	78.9±5.9	78.6±5.9	70.1±6.8	69.4±6.8	64.4±7.3
Arizona	85.4±5.7	90.6±4.9	89.0±4.8	91.1±4.7	92.0±3.9	86.0±5.4	89.0±5.2	76.8±6.6	82.6±5.9	80.2±6.1	75.2±6.7	73.9±6.8	66.1±7.3
Arkansas	78.8±5.8	90.2±4.5	92.5±3.1	90.1±4.2	92.4±3.9	89.2±4.2	87.4±4.6	65.4±6.4	77.0±5.7	75.0±5.9	72.3±6.2	70.2±6.2	57.4±6.5
California	84.9±4.0	92.3±3.1	94.6±2.4	92.7±2.8	91.6±3.2	93.2±2.6	93.4±2.9	78.8±4.8	81.4±4.3	79.4±4.5	77.1±4.7	74.6±5.0	67.7±5.4
CA-Alameda County	83.1±5.4	92.1±3.7	91.6±4.4	90.5±4.5	90.8±4.5	89.6±4.5	92.8±3.2	80.7±5.7	79.8±5.6	78.6±5.7	76.3±5.8	75.3±5.8	69.4±6.2
CA-Los Angeles County	84.0±5.3	94.3±3.2	95.8±2.8	95.6±2.9	93.0±3.7	93.9±3.3	94.5±3.1	74.8±6.2	82.6±5.4	80.3±5.7	78.0±5.9	75.7±6.1	65.0±6.7
CA-San Bernardino County	74.8±6.2	90.5±4.1	90.3±4.3	88.5±4.6	92.0±3.8	89.8±4.4	89.5±4.4	68.6±6.4	71.3±6.4	71.1±6.4	69.6±6.5	67.6±6.6	57.5±6.8
CA-Rest of State	86.4±5.8	91.6±4.8	94.7±3.5	92.0±4.2	91.0±4.9	93.5±3.8	93.3±4.4	81.3±7.1	81.9±6.5	79.9±6.7	77.4±7.0	74.8±7.5	69.7±8.1
Colorado	82.1±7.0	95.0±3.1	91.2±4.5	94.1±3.2	94.1±4.7	88.9±5.9	92.9±3.6	70.7±8.7	80.8±7.1	78.6±7.8	78.0±7.8	74.6±8.1	64.3±9.1
Connecticut	91.1±4.4	97.9±2.1	95.3±2.8	96.8±2.9	97.5±2.2	94.2±3.3	95.0±3.2	88.8±4.9	89.3±4.6	89.3±4.6	86.8±5.0	84.5±5.3	81.2±5.9
Delaware	86.9±4.5	93.7±3.5	94.8±3.8	93.0±3.8	95.7±2.5	92.1±3.8	92.8±3.4	77.3±6.2	82.3±5.5	81.8±5.6	80.3±5.7	76.9±6.0	68.6±6.7
District of Columbia	85.1±5.6	93.3±3.5	95.2±3.3	95.2±3.1	95.2±3.6	94.0±3.5	88.5±5.0	77.5±6.2	83.1±5.8	82.8±5.8	81.6±5.9	77.3±6.4	71.0±6.7
Florida	85.0±5.2	93.2±3.9	92.3±4.1	92.6±4.0	94.9±3.3	90.2±4.4	86.4±4.9	66.1±6.7	83.2±5.3	82.4±5.4	80.3±5.5	74.4±6.0	61.8±6.8
FL-Miami-Dade County	86.0±5.0	95.4±2.8	95.4±3.0	95.0±3.6	93.0±4.1	90.8±4.5	86.0±5.3	61.2±7.3	84.9±5.1	81.1±5.8	76.1±6.3	71.3±6.7	53.8±7.4
FL-Rest of State	84.9±6.0	92.8±4.6	91.8±4.8	92.2±4.7	95.3±3.8	90.1±5.1	86.4±5.6	67.0±7.8	82.9±6.2	82.7±6.2	81.0±6.4	74.9±6.9	63.2±7.9
Georgia	85.5±5.2	93.9±3.2	91.4±4.2	91.1±4.3	93.9±3.4	91.6±4.1	93.3±3.6	75.5±6.7	80.8±5.9	82.5±5.7	80.8±5.9	79.6±6.0	65.9±7.2
Hawaii	90.6±3.8	96.0±2.6	93.8±3.7	95.3±2.9	95.2±2.9	95.5±2.6	91.9±4.1	80.7±5.8	89.1±4.1	87.8±4.4	87.5±4.5	83.7±5.2	77.4±6.1
Idaho	77.2±6.3	87.6±4.9	86.1±5.2	86.3±5.1	88.8±4.7	75.5±6.4	84.2±5.4	66.6±7.2	75.8±6.5	75.8±6.5	65.6±7.2	63.5±7.3	52.9±7.6
Illinois	81.6±4.2	91.0±3.3	93.1±2.7	91.3±3.4	92.3±3.0	88.7±3.4	88.5±3.6	76.0±4.5	77.8±4.5	76.9±4.6	73.5±4.8	71.2±4.8	65.8±5.0
IL-City of Chicago	78.2±6.4	89.6±5.1	89.5±4.7	90.5±5.1	89.6±4.7	88.8±4.2	87.4±5.2	69.0±6.7	75.3±6.6	72.9±6.6	71.0±6.7	69.1±6.7	60.6±6.8
IL-Rest of State	82.7±5.2	91.5±4.0	94.4±3.2	91.6±4.2	93.2±3.7	88.7±4.4	88.9±4.5	78.5±5.6	78.7±5.7	78.2±5.7	74.4±6.0	71.9±6.1	67.6±6.3
Indiana	80.3±4.4	91.9±2.9	90.4±3.3	90.6±3.3	93.6±2.5	88.3±3.5	87.6±3.9	70.4±5.2	77.8±4.5	76.8±4.5	74.0±4.6	70.3±5.0	61.8±5.3
IN-Marion County	80.8±5.2	91.8±3.3	87.5±4.6	90.0±4.5	91.5±4.3	86.0±4.6	90.1±4.3	75.0±5.7	75.8±6.6	73.1±5.8	71.4±5.9	69.8±6.0	63.2±6.3
IN-Rest of State	80.2±5.2	91.9±3.4	91.0±3.9	90.8±3.9	94.0±2.9	88.8±4.2	87.1±4.6	69.4±6.1	78.2±5.2	77.5±5.3	74.5±5.4	70.4±5.8	61.5±6.3
Iowa	83.0±5.9	93.5±3.7	93.0±3.8	92.5±3.8	92.7±4.1	88.2±4.6	89.7±4.2	72.3±6.6	80.6±6.0	80.0±6.0	75.9±6.3	71.9±6.5	64.2±6.9
Kansas	87.0±4.9	95.7±2.7	93.1±3.5	93.6±3.5	95.0±2.9	88.7±4.1	87.9±4.5	75.0±6.2	83.3±5.4	81.7±5.6	76.0±6.0	71.0±6.4	64.8±6.8
Kentucky	85.2±5.8	92.5±4.2	90.8±4.6	91.6±4.3	94.0±3.8	87.9±5.1	84.7±5.3	69.7±6.5	81.4±6.1	80.9±6.1	78.2±6.2	72.0±6.5	63.3±6.7
Louisiana	80.1±5.9	94.0±3.1	92.9±3.4	91.9±3.7	94.2±2.9	91.5±3.7	90.8±3.9	76.0±6.0	78.4±6.0	77.7±6.1	77.0±6.1	74.9±6.3	66.9±6.9
Maine	86.7±5.4	91.2±4.5	90.2±4.8	94.1±4.0	88.3±5.1	85.5±5.3	91.9±4.3	82.5±5.6	82.0±6.0	77.6±6.5	72.9±6.9	71.5±6.9	67.0±7.2
Maryland	94.8±2.4	97.3±1.9	97.1±2.0	98.3±1.5	96.6±1.9	96.8±1.9	94.0±3.6	84.4±5.9	93.7±2.7	92.4±2.9	91.3±3.1	88.0±4.3	79.9±6.2
Massachusetts	90.0±5.0	92.8±5.0	93.3±4.6	97.2±2.2	96.1±2.7	87.4±5.6	94.9±2.9	85.1±6.3	84.7±6.5	83.9±6.6	77.9±7.3	77.2±7.3	76.0±7.4
Michigan	84.3±6.1	87.8±5.8	89.5±5.3	87.7±6.0	89.9±5.3	89.5±5.3	86.0±5.9	71.1±7.4	81.3±6.5	80.6±6.6	78.8±6.7	76.3±6.8	66.9±7.5
Minnesota	88.9±4.7	94.8±3.2	94.9±2.8	93.7±3.2	93.4±3.4	89.1±4.7	95.7±2.8	82.1±6.2	86.3±5.1	84.7±5.4	80.5±6.1	79.5±6.2	72.8±6.9
Mississippi	81.0±6.8	90.9±5.1	87.2±5.8	86.6±6.0	94.2±4.6	88.4±5.6	85.6±6.0	65.8±7.8	78.7±7.0	78.7±7.0	77.1±7.0	73.1±7.2	61.2±7.9
Missouri	80.6±6.5	94.5±3.5	89.0±5.2	94.6±3.6	91.8±4.6	89.4±5.0	87.3±5.3	73.7±7.0	80.1±6.5	77.2±6.8	76.1±6.9	73.2±7.1	64.7±7.5
Montana	79.1±5.8	90.2±4.5	89.6±4.0	90.5±4.4	92.4±3.8	78.5±5.8	89.9±4.5	70.7±6.7	77.3±5.9	75.0±6.2	65.3±6.9	64.5±7.0	58.0±7.0
Nebraska	87.8±5.3	95.9±3.0	94.0±3.7	96.0±3.1	96.9±2.9	93.8±3.8	90.7±4.8	80.5±6.5	85.2±5.6	85.2±5.6	82.9±6.0	77.2±6.8	74.4±7.1
Nevada	71.4±7.3	84.8±6.0	86.3±4.9	84.0±6.0	84.4±5.5	83.3±5.5	77.0±6.7	61.7±7.5	68.9±7.4	66.7±7.5	63.1±7.6	57.2±7.6	50.7±7.5
New Hampshire	94.4±3.5	97.6±2.2	96.6±2.6	97.2±2.5	98.6±1.5	95.2±3.1	96.3±2.8	87.3±5.3	93.2±3.8	93.2±3.8	90.6±4.3	89.1±4.6	80.5±6.2
New Jersey	85.3±5.9	92.6±4.4	91.2±5.5	93.5±4.1	92.4±4.4	92.5±4.8	85.2±6.4	69.3±7.8	82.8±6.2	82.3±6.2	80.5±6.4	75.2±7.2	62.3±7.9
New Mexico	81.6±7.0	89.7±5.4	90.6±3.6	87.5±6.4	90.8±5.1	88.8±3.9	88.0±5.9	72.0±7.6	79.8±7.1	78.9±7.1	76.0±7.2	73.8±7.4	65.4±7.7
New York	88.9±2.9	93.6±2.4	93.6±2.1	92.5±2.7	93.5±2.3	88.4±3.2	89.2±3.1	75.1±4.5	84.8±3.3	83.0±3.5	77.8±4.1	74.8±4.3	65.2±4.9
NY-City of New York	84.7±4.5	91.1±3.6	91.9±3.2	90.7±3.6	90.8±3.7	89.0±3.9	86.6±4.1	73.4±5.4	79.9±4.9	78.5±5.1	76.3±5.3	72.0±5.6	64.4±6.0
NY-Rest of State	92.8±3.8	95.9±3.2	95.2±2.6	94.1±3.9	96.1±2.6	87.8±5.1	91.8±4.6	76.7±7.2	89.4±4.5	87.2±4.8	79.1±6.3	77.5±6.4	65.9±7.6
North Carolina	85.8±5.0	93.2±3.3	96.9±2.0	93.6±3.4	91.7±4.5	93.3±4.1	91.3±4.1	81.7±5.6	84.0±5.1	80.0±6.0	77.3±6.5	74.8±6.7	70.1±7.0

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	4+DTaP [‡]	3+Polio [§]	1+MMR	3+Hib [¶]	3+HepB ^{**}	1+Var ^{††}	3+PCV ^{‡‡}	4+PCV ^{§§}	4:3:1:3 ^{¶¶}	4:3:1:3:3 ^{***}	4:3:1:3:3:1 ^{†††}	4:3:1:3:3:1:3 ^{‡‡‡}	4:3:1:3:3:1:4 ^{€€}
North Dakota	85.5±4.9	97.8±1.7	95.2±2.9	95.5±2.7	97.8±1.8	91.5±3.8	95.1±2.6	81.4±5.5	82.5±5.2	81.7±5.3	77.2±5.7	75.0±5.9	68.9±6.3
Ohio	86.6±4.9	93.6±3.3	90.7±3.7	93.8±3.7	95.3±2.8	89.1±4.1	85.9±4.3	74.7±6.0	81.9±5.4	80.4±5.5	77.7±5.8	70.7±6.2	64.5±6.5
Oklahoma	82.7±6.0	92.3±3.8	89.9±5.0	88.1±5.7	92.0±4.0	89.7±5.0	80.1±6.5	58.3±7.8	80.3±6.2	80.1±6.2	78.5±6.3	69.6±7.2	53.3±7.7
Oregon	77.8±7.3	87.7±6.1	88.9±5.3	87.7±5.8	87.0±6.0	84.2±6.3	85.4±6.1	70.1±7.5	74.1±7.4	72.4±7.5	70.5±7.6	68.9±7.6	62.7±7.8
Pennsylvania	86.4±3.6	93.7±2.5	93.8±2.5	94.9±2.3	92.5±2.9	91.9±2.8	92.3±2.7	79.1±4.4	83.7±3.9	81.4±4.1	78.8±4.3	76.1±4.4	68.3±4.9
PA-Philadelphia County	88.3±5.4	94.2±4.0	92.2±4.5	92.5±4.4	95.0±3.3	91.8±4.4	90.3±5.2	81.2±6.5	85.0±6.0	84.5±6.0	82.2±6.2	78.4±6.8	73.0±7.3
PA-Rest of State	86.0±4.2	93.6±2.9	94.1±2.8	95.3±2.6	92.1±3.3	92.0±3.2	92.7±3.0	78.8±5.1	83.4±4.4	80.9±4.7	78.2±4.9	75.7±5.1	67.5±5.7
Rhode Island	84.9±6.1	98.0±2.4	94.7±3.9	96.4±3.0	97.7±2.9	92.1±4.1	94.8±3.5	90.7±4.4	81.2±6.4	80.0±6.6	75.0±7.0	73.0±7.2	69.2±7.4
South Carolina	84.2±4.5	91.1±3.6	92.5±3.2	91.8±3.5	92.1±3.7	91.5±3.3	92.1±3.4	80.8±4.8	82.4±4.6	81.1±4.9	79.5±5.0	77.5±5.1	74.9±5.3
South Dakota	88.7±4.5	97.7±1.8	95.0±2.4	96.9±2.5	97.4±1.9	85.3±5.2	69.1±6.9	54.3±7.4	87.4±4.6	87.1±4.6	76.9±6.1	55.1±7.4	45.8±7.4
Tennessee	84.8±6.0	94.4±4.3	94.5±4.3	94.5±4.0	94.4±3.9	92.3±4.7	91.5±4.6	72.6±7.5	82.5±6.3	80.5±6.5	78.7±6.7	75.9±6.8	64.3±7.7
Texas	82.1±3.5	92.6±2.3	90.4±2.6	93.8±2.3	91.7±2.6	90.0±2.6	90.6±2.5	75.7±4.0	80.2±3.7	78.2±3.8	77.3±3.8	75.0±4.0	68.5±4.4
TX-Bexar County	85.5±4.8	94.3±3.2	90.9±3.9	94.7±3.0	93.7±3.4	88.8±4.3	92.8±3.5	79.1±5.5	83.8±4.9	82.7±5.1	80.1±5.3	78.4±5.5	74.0±5.8
TX-City of Houston	77.9±5.6	87.4±4.7	89.4±3.8	91.4±3.4	88.6±4.4	89.6±3.8	88.8±4.0	71.6±5.9	75.4±5.6	73.9±5.7	73.0±5.7	71.2±5.8	64.1±6.2
TX-Dallas County	77.0±6.0	91.0±3.8	89.9±4.1	93.0±3.3	90.8±3.8	90.0±4.1	86.1±4.7	70.8±6.3	75.1±6.1	73.3±6.2	71.9±6.2	67.8±6.5	61.0±6.8
TX-El Paso County	81.8±5.7	91.2±4.7	90.3±4.8	93.6±4.2	92.9±4.3	91.1±4.7	88.7±5.2	69.3±6.9	79.0±6.0	77.8±6.2	77.4±6.2	72.7±6.6	63.1±7.1
TX-Rest of State	83.4±5.1	93.7±3.3	90.6±3.8	94.3±3.3	92.2±3.8	90.2±3.8	91.6±3.6	77.4±5.8	81.7±5.3	79.5±5.5	78.7±5.6	76.7±5.8	70.4±6.4
Utah	82.2±5.3	91.8±3.9	90.9±4.0	92.7±3.8	88.6±4.8	86.6±4.8	87.8±4.5	70.7±6.4	80.6±5.4	78.5±5.6	73.6±6.1	69.7±6.3	61.4±6.8
Vermont	81.9±7.5	95.1±5.0	93.6±5.2	96.4±3.2	93.7±5.1	77.6±7.8	92.7±4.7	84.2±7.0	80.8±7.5	79.8±7.6	67.3±8.3	65.4±8.5	62.7±8.5
Virginia	84.1±4.8	92.8±3.3	90.9±3.8	93.2±3.4	91.5±3.5	87.8±4.5	93.0±3.2	79.1±5.1	82.0±5.0	79.6±5.3	75.5±5.7	74.2±5.8	67.9±6.1
Washington	80.9±5.4	85.1±5.1	90.5±3.9	90.1±4.0	85.0±4.7	84.0±4.9	87.1±4.9	73.8±6.0	77.8±5.7	73.9±5.8	69.0±6.1	67.7±6.2	64.6±6.2
WA-Western WA	88.1±4.8	91.1±3.8	91.9±3.9	93.7±3.4	88.2±4.6	80.8±5.9	91.0±4.0	82.3±5.8	85.2±5.0	80.5±5.6	71.3±6.7	69.1±6.8	66.8±7.0
WA-Rest of State	79.3±6.4	83.8±6.2	90.2±4.6	89.3±4.8	84.3±5.6	84.8±5.8	86.3±5.9	71.9±7.2	76.2±6.8	72.5±7.0	68.4±7.3	67.3±7.4	64.1±7.4
West Virginia	84.5±4.9	93.8±3.2	96.2±2.1	95.6±2.7	94.6±2.7	89.2±3.8	89.4±4.0	75.8±5.7	82.4±5.1	80.7±5.2	75.5±5.6	71.7±5.9	64.9±6.2
Wisconsin	82.0±6.1	93.8±3.5	91.4±4.6	89.6±5.0	94.5±3.0	86.7±5.4	92.8±3.7	78.7±6.5	80.2±6.4	79.4±6.4	77.1±6.6	76.5±6.6	69.6±7.2
Wyoming	78.7±6.1	90.8±4.8	87.5±5.2	85.8±5.6	90.6±5.0	78.5±6.3	83.0±5.8	68.0±6.7	77.2±6.3	76.8±6.3	70.2±6.8	65.8±6.9	58.7±7.1

* Estimate=NA (Not Available) if the unweighted sample size for the denominator was <30 or (CI half width)/Estimate > 0.6 or (CI half width) >10.

Estimates presented as point estimate (%) ± 95% Confidence Interval.

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

‡ 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).

§ 3 or more doses of any poliovirus vaccine.

|| 1 or more doses of measles-mumps-rubella vaccine.

¶ 3 or more doses of *Haemophilus influenzae* type b (Hib) vaccine.

** 3 or more doses of hepatitis B vaccine.

†† 1 or more doses of varicella at or after child's first birthday, unadjusted for history of varicella illness.

‡‡ 3 or more doses of pneumococcal conjugate vaccine (PCV).

§§ 4 or more doses of PCV.

¶¶ 4 or more doses of DTaP, 3 or more doses of poliovirus vaccine, 1 or more doses of any MMR, plus 3 or more doses of Hib.

*** 4:3:1:3 plus 3 or more doses of HepB.

††† 4:3:1:3:3 plus 1 or more doses of varicella vaccine.

‡‡‡ 4:3:1:3:3:1 plus 3 or more doses of PCV.

€€ 4:3:1:3:3:1 plus 4 or more doses of PCV.