

**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†**

	4+DTaP [‡]	3+Polio [§]	1+MMR	3+Hib [¶]	3+HepB ^{**}	1+HepB 3 day ^{††}	1+Var ^{‡‡}	4+PCV7 ^{§§}	2+HepA	4:3:1:3:3 ^{¶¶}	4:3:1:3:3:1 ^{***}	4:3:1:3:3:1:4 ^{†††}
US National	84.6±1.0	93.6±0.6	92.1±0.7	90.9±0.7	93.5±0.7	55.3±1.3	90.7±0.7	80.1±1.1	40.4±1.2	78.2±1.1	76.1±1.1	68.4±1.2
Alabama	83.1±5.8	92.1±4.0	93.6±3.8	91.3±4.0	91.0±4.2	66.5±5.8	92.9±3.9	76.3±6.2	33.9±6.0	76.3±6.1	75.1±6.1	67.2±6.5
Alaska	79.2±6.0	91.9±3.8	88.4±5.0	89.6±4.1	93.1±3.5	64.6±6.9	77.8±6.4	77.6±6.0	48.7±7.4	76.2±6.3	69.2±6.9	63.4±7.1
Arizona	84.6±5.6	92.4±4.2	92.2±4.4	91.5±4.0	94.2±3.0	81.4±4.9	91.1±4.4	79.0±6.2	48.1±7.0	79.2±6.1	76.4±6.3	69.1±6.6
Arkansas	81.4±5.7	91.6±4.2	92.2±4.1	89.3±5.0	94.3±3.1	73.8±6.6	90.0±5.0	74.8±6.2	22.4±5.6	78.0±5.9	75.5±6.4	64.9±6.8
California	86.8±3.5	95.7±2.0	92.7±2.8	94.1±2.3	94.7±2.5	36.3±5.0	92.4±2.7	83.0±3.9	48.2±5.1	80.6±4.1	78.7±4.2	70.5±4.7
CA-Los Angeles County	86.5±4.3	95.6±2.4	91.1±3.6	93.5±2.9	95.8±2.3	32.4±5.9	92.2±3.2	80.2±5.1	52.6±6.2	78.6±5.1	76.2±5.3	67.6±5.9
CA-Northern CA	76.5±6.0	90.9±4.1	87.7±4.6	89.8±3.9	92.1±3.5	14.2±5.0	85.9±4.9	69.2±6.5	29.8±6.9	70.8±6.4	68.5±6.5	58.1±7.0
CA-Santa Clara County	90.6±4.4	95.9±2.8	93.7±3.3	91.4±5.6	97.3±2.5	70.4±7.4	90.8±4.4	85.3±5.2	51.6±8.2	84.1±6.4	80.9±6.7	73.6±7.3
CA-Rest of State	87.0±5.0	95.8±2.9	93.5±3.9	94.7±3.2	94.1±3.7	36.0±7.1	92.9±3.9	84.4±5.5	46.6±7.3	81.4±5.8	79.9±5.9	71.8±6.7
Colorado	86.5±6.1	94.9±2.9	92.3±5.4	87.3±6.1	94.6±3.2	48.7±8.9	90.1±5.6	82.5±6.5	42.4±9.0	80.7±6.7	79.4±6.8	74.3±7.3
Connecticut	88.2±4.5	99.5±0.6	95.3±3.1	82.6±6.2	98.1±1.6	63.2±7.2	93.2±4.0	91.5±3.9	38.8±7.6	72.5±7.0	69.8±7.2	66.0±7.4
Delaware	84.3±6.0	91.8±4.7	93.1±4.5	87.5±4.8	96.0±2.7	58.6±7.2	94.4±2.9	79.8±6.3	44.6±7.1	73.0±6.8	71.8±6.8	63.9±7.0
District of Columbia	84.6±5.5	89.7±4.4	89.7±4.4	90.7±4.6	92.8±3.7	61.7±7.1	90.4±4.2	78.8±5.7	43.4±7.3	78.6±6.4	77.6±6.4	68.8±6.9
Florida	88.5±4.0	92.9±3.0	91.7±3.5	92.0±3.3	94.8±2.5	40.7±6.7	90.7±3.7	78.9±5.1	40.6±6.4	81.8±4.6	79.9±4.8	71.0±5.5
FL-Miami-Dade County	87.1±5.7	91.8±4.6	88.6±5.1	93.2±4.3	95.4±2.7	26.5±6.6	87.8±5.3	67.0±8.7	26.5±6.7	79.8±6.3	77.7±6.5	59.2±8.6
FL-Orange County	87.2±5.8	95.1±3.6	91.2±4.6	93.5±3.9	95.5±2.8	55.3±8.0	92.9±3.5	79.4±7.1	31.9±7.4	81.7±6.2	79.1±6.5	69.8±7.8
FL-Rest of State	88.8±5.0	92.9±3.7	92.3±4.3	91.7±4.1	94.6±3.1	42.0±8.4	91.1±4.7	81.1±6.3	44.1±8.0	82.2±5.8	80.3±6.0	73.3±6.8
Georgia	79.0±6.7	93.1±3.5	92.7±3.7	86.1±5.1	93.6±3.7	65.8±7.0	90.6±4.8	81.6±5.8	42.7±7.1	72.7±6.9	71.9±6.9	67.4±7.1
Hawaii	81.5±6.6	92.8±3.8	94.8±2.9	89.4±4.4	91.2±5.3	68.3±7.2	92.6±4.1	84.1±6.0	43.6±7.4	78.3±6.7	77.4±6.8	74.4±6.9
Idaho	77.6±5.9	91.8±3.7	86.1±5.4	77.6±6.0	93.3±3.4	64.0±6.6	80.7±5.8	74.8±6.3	38.6±6.5	65.9±6.6	60.4±6.8	54.2±6.7
Illinois	82.2±4.2	92.4±2.7	91.0±2.7	92.7±2.3	94.7±2.1	56.4±5.1	88.3±3.3	76.2±4.8	26.2±4.1	78.1±4.3	74.8±4.6	65.0±5.1
IL-City of Chicago	84.2±5.9	92.2±3.7	89.0±3.7	89.1±4.5	93.3±3.6	75.0±5.8	89.2±3.6	76.0±6.4	36.2±6.4	79.7±6.2	78.1±6.2	70.4±6.6
IL-Madison/St. Clair coun.	82.3±5.6	93.2±3.4	90.5±4.0	90.3±4.1	95.8±2.5	74.8±5.5	88.5±4.4	81.0±5.5	33.6±6.3	77.3±5.8	74.9±6.0	68.4±6.4
IL-Rest of State	81.5±5.5	92.4±3.6	91.7±3.6	94.1±2.7	95.2±2.7	48.6±6.8	88.0±4.5	76.0±6.3	22.2±5.3	77.5±5.7	73.6±6.1	62.9±6.7
Indiana	85.3±4.7	95.2±2.6	88.0±4.8	89.3±4.2	95.6±2.6	64.5±7.3	87.9±4.6	79.5±6.0	42.1±7.6	78.4±5.8	75.5±6.1	70.3±6.6
Iowa	84.2±5.3	92.3±3.8	91.4±4.4	88.4±4.5	93.5±3.3	31.4±6.1	87.8±4.8	81.6±5.5	38.6±6.6	77.3±5.8	74.7±6.0	67.2±6.4
Kansas	85.7±5.2	95.4±2.8	91.9±3.6	93.7±3.0	94.4±3.1	68.1±6.7	90.1±4.7	80.7±5.2	37.4±7.2	78.2±5.9	76.7±5.9	69.5±6.5
Kentucky	86.0±4.9	94.1±3.2	90.2±4.4	86.3±5.3	92.7±4.0	74.4±6.2	87.7±5.0	79.6±5.6	33.9±6.4	76.8±6.0	74.1±6.4	66.4±6.7
Louisiana	87.7±4.0	97.0±2.0	94.2±2.5	92.9±3.2	95.3±2.6	62.3±6.2	95.0±2.4	78.0±5.5	46.6±6.6	83.0±4.5	81.9±4.6	72.5±5.7
Maine	90.3±3.7	95.4±2.6	91.8±3.6	86.1±4.6	91.4±3.6	66.8±6.1	90.1±3.8	84.3±5.1	16.8±4.9	76.2±5.5	73.6±5.6	66.5±6.2
Maryland	89.1±4.1	95.6±2.4	94.5±2.4	93.9±2.7	93.5±3.2	67.8±5.7	92.2±2.9	84.3±4.6	46.2±6.2	82.6±4.8	80.2±4.9	73.6±5.7
MD-City of Baltimore	88.6±4.3	94.5±3.2	89.9±4.1	88.7±4.4	95.8±2.4	64.5±7.1	87.5±5.0	81.8±5.6	36.3±6.8	78.6±5.6	74.6±6.0	68.2±6.4
MD-Rest of State	89.1±4.6	95.7±2.7	95.2±2.7	94.7±3.0	93.2±3.6	68.2±6.4	92.9±3.2	84.7±5.2	47.6±7.0	83.1±5.4	81.0±5.6	74.3±6.4
Massachusetts	87.2±5.0	98.2±1.5	94.4±4.2	98.4±1.4	96.8±2.4	66.8±7.3	95.3±2.5	88.0±4.7	39.6±7.5	83.9±5.5	82.3±5.6	76.2±6.3
Michigan	86.4±5.3	93.8±3.2	88.1±4.5	87.3±4.8	93.9±3.0	75.7±6.2	87.4±4.8	82.5±5.7	29.1±6.0	76.8±6.3	74.5±6.5	69.8±6.8

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	4+DTaP [‡]	3+Polio [§]	1+MMR	3+Hib [¶]	3+HepB ^{**}	1+HepB 3 day ^{††}	1+Var ^{‡‡}	4+PCV7 ^{§§}	2+HepA	4:3:1:3:3 ^{¶¶}	4:3:1:3:3:1 ^{***}	4:3:1:3:3:1:4 ^{†††}
Minnesota	87.3±4.2	96.0±2.2	91.8±3.5	85.8±4.3	94.6±2.9	21.7±5.5	90.1±3.5	79.2±5.2	35.4±5.9	77.4±5.1	74.6±5.3	66.8±5.8
MN-Twin Cities	86.4±5.9	94.4±3.6	92.3±4.1	82.5±6.1	94.1±3.5	10.6±4.8	89.9±4.7	80.0±6.3	40.2±7.1	77.9±6.4	75.2±6.7	68.5±7.0
MN-Rest of State	88.4±6.0	98.2±2.0	91.2±5.9	90.0±5.6	95.3±4.8	NA	90.4±5.2	78.2±8.6	NA	76.9±8.4	73.8±8.7	64.7±9.8
Mississippi	82.4±5.2	93.7±3.1	89.3±4.2	83.0±5.8	95.7±2.4	67.3±5.9	92.1±3.7	74.7±6.4	27.3±5.4	76.5±6.3	75.8±6.3	68.9±6.5
Missouri	82.0±5.2	91.7±4.1	91.7±4.1	89.0±4.5	91.1±4.2	56.2±6.6	88.1±4.5	74.8±5.8	36.7±6.4	76.0±5.7	72.9±6.4	61.5±6.7
Montana	74.4±6.2	88.5±5.1	85.9±5.1	81.1±5.6	86.6±5.4	66.4±6.6	77.7±6.0	71.7±6.4	23.2±5.6	65.5±6.6	59.2±6.8	56.0±6.8
Nebraska	84.9±4.5	92.5±3.7	91.9±3.3	83.0±4.9	92.9±3.4	31.0±6.0	89.2±3.8	77.5±5.6	52.2±6.5	74.8±5.6	71.5±5.8	63.0±6.3
Nevada	76.0±6.0	89.9±4.2	88.0±4.4	85.2±4.9	84.9±4.9	65.5±6.6	86.8±4.7	63.6±6.7	45.9±7.0	70.1±6.3	67.8±6.5	54.2±7.0
New Hampshire	90.0±4.1	95.0±2.9	94.8±3.0	95.6±2.7	94.9±2.8	69.0±6.0	91.3±3.5	86.6±4.6	41.0±6.6	85.0±4.8	81.0±5.2	74.6±5.9
New Jersey	80.6±5.8	89.6±4.5	89.9±4.4	94.7±3.5	92.0±4.0	44.9±7.1	85.9±4.8	74.8±6.3	29.3±5.9	72.8±6.1	68.5±6.3	59.7±6.5
New Mexico	85.2±5.5	91.3±4.6	90.6±4.4	89.0±4.8	91.3±4.5	52.3±7.6	89.3±4.6	83.3±5.6	36.2±7.2	79.1±6.0	77.0±6.1	72.9±6.4
New York	84.4±3.4	94.6±2.2	92.2±2.4	91.0±2.6	92.7±2.5	34.4±4.8	88.2±3.1	80.2±3.8	32.9±4.6	76.2±3.9	73.3±4.2	65.1±4.5
NY-City of New York	86.0±4.5	94.7±2.8	93.4±3.1	90.2±3.7	93.2±3.3	35.8±6.8	90.6±3.8	78.3±5.4	36.4±6.6	77.3±5.4	75.4±5.8	66.6±6.4
NY-Rest of State	83.0±5.1	94.5±3.4	91.2±3.6	91.7±3.7	92.3±3.8	33.1±6.7	85.8±5.0	82.0±5.3	29.6±6.4	75.2±5.7	71.3±6.1	63.7±6.5
North Carolina	84.1±5.7	94.6±3.2	92.2±3.6	83.6±5.6	93.6±3.8	72.2±6.3	92.3±3.7	82.6±5.9	35.7±6.1	72.4±6.3	70.8±6.3	64.4±6.6
North Dakota	81.0±5.5	95.1±2.6	90.6±3.9	85.2±4.8	95.5±2.5	72.0±5.9	85.0±4.6	80.9±5.4	45.3±6.5	74.2±5.9	69.8±6.1	65.5±6.3
Ohio	86.1±5.9	96.5±2.1	93.9±3.1	95.2±4.7	92.9±5.0	64.7±7.0	93.3±3.1	78.6±6.4	36.1±6.7	82.9±6.1	81.8±6.1	71.5±6.8
Oklahoma	78.7±6.6	88.4±5.6	92.3±4.2	86.3±5.8	90.3±4.9	61.4±6.8	90.5±4.4	65.7±7.5	49.6±7.1	73.6±6.8	71.7±6.9	56.4±7.5
Oregon	79.7±6.5	94.8±3.2	92.0±3.8	87.2±5.9	92.6±3.7	41.8±7.7	90.4±4.0	79.4±7.0	40.2±7.6	72.3±7.3	71.0±7.4	68.3±7.5
Pennsylvania	88.1±3.9	94.1±3.3	92.2±3.0	91.6±3.5	92.6±3.6	67.0±5.5	92.4±3.0	83.8±4.4	51.7±5.7	80.4±4.9	77.7±5.0	71.3±5.4
PA-Philadelphia County	84.5±4.8	95.8±2.4	93.1±3.3	94.8±2.8	97.1±1.7	75.0±5.6	93.6±3.1	79.7±5.2	49.4±6.2	81.5±5.0	79.5±5.2	71.6±5.7
PA-Rest of State	88.8±4.5	93.8±3.9	92.0±3.6	91.0±4.1	91.8±4.3	65.5±6.4	92.2±3.5	84.6±5.2	52.1±6.7	80.2±5.7	77.4±5.9	71.2±6.4
Rhode Island	88.4±4.7	97.1±2.6	93.7±3.5	89.0±4.2	97.0±2.1	69.4±7.1	93.0±4.0	83.9±6.4	57.4±7.8	79.5±5.8	77.5±6.1	68.6±7.4
South Carolina	84.7±5.1	94.6±3.3	88.5±4.6	90.2±4.1	95.8±2.7	62.8±6.8	89.2±4.5	80.5±5.7	37.4±6.4	78.8±5.4	78.4±5.4	70.6±6.1
South Dakota	84.3±5.1	94.5±3.7	93.7±3.2	91.2±4.3	95.0±3.5	40.5±6.6	90.1±3.8	73.0±5.9	27.5±5.7	80.8±5.4	77.4±5.7	62.7±6.4
Tennessee	87.7±4.5	94.6±3.4	95.6±3.0	92.8±3.7	92.2±4.5	35.8±6.4	92.7±3.6	85.7±4.6	47.9±7.0	83.1±5.3	81.2±5.4	73.6±6.0
Texas	83.0±4.5	92.1±3.7	93.7±2.5	92.7±3.5	93.0±3.5	66.6±5.5	93.1±2.6	79.2±5.1	49.1±5.6	78.6±4.7	77.8±4.7	70.5±5.4
TX-Bexar County	80.5±6.2	92.9±4.1	92.8±3.9	93.0±4.1	95.7±3.1	63.2±6.8	95.4±3.0	84.3±5.5	51.1±7.5	77.2±6.5	76.0±6.6	70.9±6.9
TX-City of Houston	81.2±6.1	92.7±3.7	90.8±4.2	90.4±4.5	91.4±4.1	61.2±7.0	90.0±4.6	76.9±6.1	50.8±7.4	73.8±6.6	72.0±6.7	64.1±7.0
TX-Dallas County	81.8±5.3	89.4±4.0	91.4±3.9	91.1±3.7	86.4±5.1	68.2±6.4	88.9±4.3	76.9±5.9	46.8±6.9	74.9±6.2	74.2±6.2	69.0±6.5
TX-El Paso County	80.7±4.9	93.3±2.9	93.0±2.8	95.1±2.5	95.3±2.4	84.5±4.6	92.5±3.0	77.2±5.4	63.4±6.2	76.5±5.3	74.9±5.4	66.8±6.0
TX-Rest of State	83.8±6.7	92.4±5.5	94.7±3.6	93.3±5.2	94.1±5.3	66.6±8.2	94.3±3.7	79.7±7.6	48.1±8.3	80.4±6.9	79.8±6.9	72.1±7.9
Utah	83.1±6.9	89.0±5.8	90.8±4.9	90.6±5.2	91.7±4.5	78.6±6.7	92.7±4.1	76.3±7.6	41.6±8.2	78.1±7.2	76.6±7.3	65.5±8.2
Vermont	79.8±5.9	91.3±4.1	88.1±4.6	92.6±4.1	92.2±3.5	19.1±6.3	77.0±6.0	84.1±5.3	32.8±6.7	74.4±6.3	64.5±6.8	60.8±7.0
Virginia	80.3±7.7	89.9±5.5	92.3±5.2	92.6±5.5	92.8±4.9	42.2±8.7	93.0±4.8	81.7±7.2	34.3±8.0	73.2±8.3	72.9±8.3	68.1±8.6
Washington	82.7±5.0	88.7±4.1	91.2±3.5	89.6±3.9	88.8±3.9	72.6±5.3	86.8±4.1	77.2±5.5	36.0±5.8	77.7±5.3	73.5±5.8	67.3±6.2

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WA-Eastern/Western WA	83.6±5.1	89.2±3.9	89.6±4.0	91.3±3.6	89.6±3.9	71.8±6.3	86.4±4.7	78.1±5.6	31.6±6.4	78.7±5.6	75.6±5.8	68.7±6.4
WA-Rest of State	82.3±6.8	88.5±5.6	91.9±4.7	88.8±5.3	88.4±5.4	73.0±7.1	87.0±5.6	76.9±7.5	37.8±7.9	77.3±7.2	72.6±7.9	66.7±8.5
West Virginia	84.8±5.5	94.5±2.9	88.3±5.0	94.1±3.2	96.1±2.3	55.3±7.2	89.3±4.8	72.4±7.1	34.8±6.2	78.0±6.0	76.5±6.0	62.8±7.3
Wisconsin	88.2±5.7	94.1±4.0	94.3±3.9	88.3±5.4	94.8±3.9	55.8±7.6	88.3±5.3	84.9±5.8	37.2±7.1	83.6±6.1	79.6±6.5	72.6±7.2
Wyoming	73.7±5.9	90.7±3.9	87.6±4.3	80.7±5.4	91.2±3.8	63.5±6.4	84.6±4.6	69.2±6.2	28.2±6.0	67.6±6.3	64.6±6.4	56.2±6.6

* Estimate=NA (Not Available) if the unweighted sample size for the numerator was <30 or (CI half width)/Estimate > 0.5 or (CI half width) >10.

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

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

‡ 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 hepatitis B vaccine administered between birth and age 3 days.

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

§§ 4 or more doses of pneumococcal conjugate vaccine (PCV7).

|||| ACIP expanded the recommendation of administering hepatitis A vaccine from ≥24 months to children aged 12-23 months in May 2006; therefore, ≥2 doses of hepatitis A coverage in the 2008 NIS is measured among 19-35 month old children. Prior years of hepatitis A data among 19-35 months of age is not available. Hepatitis A coverage among 24-35 month old children including the 2006 and 2007 NIS data are available at <http://www.cdc.gov/mmwr/preview/mmwrhtml/mm5825a1.htm> and for 2003-2005 NIS data is available at <http://www.cdc.gov/vaccines/stats-surv/imz-coverage.htm#chart>

¶¶ 4 or more doses of DTaP, 3 or more doses of poliovirus vaccine, 1 or more doses of any MMR, 3 or more doses of Hib, and 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 4 or more doses of PCV7.