Estimated Vaccination Coverage with Individual Vaccines and Selected Vaccination Series Among Children 19-35 Months of Age by State and Immunization Action Plan Area -- US, National Immunization Survey, Q1/1998-Q4/1998*

	3+DTP[†]	4+DTP[‡]	3+Polio[§]	1+MMR[‖]	3+Hib[¶]	3+HepB**	1+Var[††]	3:3:1[‡‡]	4:3:1[§§]	4:3:1:3[‖‖]	4:3:1:3:3[¶¶]
US National	95.6±0.5***	83.9±0.8	90.8±0.7	92.0±0.6	93.4±0.6	87.0±0.7	43.2±1.0	NA	80.6±0.9	79.2±0.9	72.7±1.0
Alabama	98.4±1.6	87.7±3.8	91.4±3.2	95.0±2.2	95.6±2.3	86.3±3.7	52.5±5.5	NA	84.0±4.2	82.1±4.3	74.2±4.8
AL-Jefferson County	98.7±1.6	87.4±4.5	92.9±3.3	94.1±3.4	96.3±2.5	86.1±4.5	64.0±6.6	NA	85.8±4.7	84.7±4.8	76.3±5.6
AL-Rest of State	98.3±1.9	87.7±4.4	91.1±3.7	95.1±2.5	95.4±2.7	86.3±4.2	50.4±6.3	NA	83.7±4.8	81.7±5.0	73.8±5.5
Alaska	95.8±2.4	85.2±4.2	92.3±3.1	91.1±3.4	92.4±3.2	85.3±4.4	13.4±4.0	NA	82.7±4.5	81.3±4.6	74.1±5.2
Arizona	92.6±2.5	80.5±4.1	88.9±3.1	88.0±3.4	90.4±2.8	83.4±3.7	46.4±5.0	NA	77.8±4.2	75.9±4.3	69.0±4.6
AZ-Maricopa County	94.0±3.1	82.5±5.4	89.7±4.1	88.4±4.5	91.6±3.7	84.6±5.2	46.7±7.0	NA	79.5±5.6	77.3±5.8	71.1±6.3
AZ-Rest of State	90.4±4.1	77.4±6.1	87.7±4.7	87.2±4.8	88.5±4.3	81.6±5.1	45.9±6.7	NA	75.2±6.1	73.5±6.2	65.6±6.5
Arkansas	92.0±3.4	75.8±5.2	90.1±3.6	87.9±4.0	89.5±3.8	84.4±4.3	27.8±5.3	NA	74.8±5.3	73.1±5.4	65.9±5.7
California	94.3±2.1	81.6±3.4	88.4±2.9	91.2±2.6	91.7±2.5	87.1±2.9	55.2±4.2	NA	77.7±3.7	75.9±3.8	69.8±4.0
CA-Los Angeles County	93.6±3.7	79.2±5.6	88.9±4.5	89.5±4.6	92.9±3.9	86.8±4.9	59.3±6.8	NA	76.5±5.9	76.0±6.0	70.5±6.3
CA-San Diego County	92.7±3.3	82.5±4.8	86.7±4.3	94.1±2.9	89.3±4.1	80.2±5.1	63.3±6.1	NA	79.5±5.1	77.2±5.4	67.1±6.0
CA-Santa Clara County	96.8±2.1	88.1±4.2	93.0±3.2	95.7±2.6	94.8±2.8	86.6±4.6	59.8±6.6	NA	85.7±4.5	84.3±4.7	77.6±5.5
CA-Rest of State	94.7±3.2	82.1±5.2	88.0±4.5	91.4±3.9	91.2±4.0	88.3±4.3	51.3±6.5	NA	77.4±5.6	74.8±5.8	69.1±6.2
Colorado	97.9±2.0	83.7±4.8	93.3±3.4	92.9±3.1	94.5±3.3	86.6±4.5	39.3±6.3	NA	78.2±5.3	75.8±5.6	67.9±6.0
Connecticut	98.9±1.3	95.0±2.5	94.4±2.8	96.6±2.1	98.2±1.6	89.8±3.8	45.4±6.3	NA	90.7±3.4	90.0±3.5	81.5±4.8
Delaware	97.4±2.0	85.5±4.5	90.0±3.9	94.1±3.1	94.1±2.9	83.5±4.7	45.6±6.3	NA	80.6±5.0	78.9±5.1	68.0±5.9
District of Columbia	94.5±3.4	76.8±5.9	87.6±4.4	92.7±3.4	91.6±4.0	81.9±5.5	59.9±6.9	NA	73.7±6.0	71.4±6.2	63.5±6.6
Florida	94.6±2.7	84.7±3.7	89.4±3.3	92.0±2.9	92.5±3.0	90.0±3.2	36.0±4.9	NA	80.9±4.1	78.7±4.2	75.4±4.4
FL-Miami-Dade County	94.6±4.0	79.4±5.8	89.3±4.6	93.7±3.1	91.7±4.4	87.4±4.9	32.5±6.0	NA	76.6±5.9	74.8±6.0	70.9±6.2
FL-Duval County	99.0±1.2	84.9±5.3	92.6±3.6	92.9±3.5	97.3±2.1	94.2±3.2	44.0±7.2	NA	80.4±5.8	78.7±6.0	75.1±6.3
FL-Rest of State	94.2±3.3	85.9±4.7	89.2±4.2	91.6±3.8	92.3±3.7	90.3±4.0	36.1±6.2	NA	81.9±5.1	79.5±5.3	76.4±5.6
Georgia	96.1±2.2	84.1±3.8	91.7±2.9	91.7±2.9	94.5±2.4	89.2±3.2	43.6±5.1	NA	81.1±4.0	80.1±4.1	75.7±4.4
GA-Fulton/DeKalb Counties	95.9±4.5	79.1±6.3	90.5±5.3	89.3±5.3	91.2±5.4	87.5±5.5	49.7±7.3	NA	75.6±6.6	71.1±6.9	66.7±7.0
GA-Rest of State	96.1±2.4	85.3±4.4	92.0±3.3	92.2±3.3	95.2±2.6	89.6±3.7	42.1±6.0	NA	82.4±4.8	82.2±4.8	77.9±5.1
Hawaii	95.7±2.7	84.2±4.9	91.7±3.8	94.4±3.0	92.8±3.4	87.4±4.5	52.8±6.4	NA	81.7±5.2	79.3±5.5	73.0±6.0
Idaho	94.0±2.7	78.8±4.9	90.6±3.4	89.7±3.6	93.5±2.8	80.4±4.6	8.2±3.3	NA	76.4±5.0	76.4±5.0	66.2±5.7
Illinois	94.7±2.9	82.2±4.3	90.6±3.3	91.2±3.3	92.5±3.1	89.5±3.1	25.8±4.2	NA	79.1±4.4	77.5±4.5	73.7±4.6
IL-City of Chicago	90.6±5.1	71.1±7.3	85.9±5.7	86.1±5.5	86.9±5.4	79.6±6.4	30.7±6.7	NA	66.7±7.4	64.4±7.4	58.5±7.5
IL-Rest of State	96.3±3.6	86.8±5.2	92.5±4.1	93.3±4.1	94.8±3.8	93.6±3.4	23.8±5.2	NA	84.2±5.4	82.8±5.5	79.9±5.7
Indiana	94.4±3.0	81.2±4.6	88.6±3.8	92.9±2.8	90.7±3.6	83.5±4.2	30.2±4.9	NA	78.9±4.6	77.5±4.8	68.8±5.1
IN-Marion County	95.3±2.7	81.8±5.1	89.4±3.8	90.1±3.7	93.4±3.1	81.5±4.9	29.8±5.8	NA	78.2±5.3	78.2±5.3	67.9±6.0
IN-Rest of State	94.3±3.5	81.1±5.4	88.5±4.5	93.4±3.3	90.2±4.2	83.9±5.0	30.3±5.8	NA	79.1±5.5	77.3±5.6	69.0±6.1
Iowa	96.5±2.3	86.0±4.0	91.9±3.2	92.1±3.3	93.9±3.0	89.2±3.5	33.0±5.3	NA	83.4±4.3	81.7±4.5	78.1±4.7
Kansas	95.6±2.8	85.1±4.8	93.9±3.2	90.8±4.0	91.2±4.0	83.7±4.9	42.5±6.4	NA	83.6±4.9	81.8±5.2	72.1±5.9
Kentucky	96.9±2.2	86.5±4.3	92.4±3.3	91.6±3.5	95.0±2.7	89.2±3.7	49.4±6.2	NA	83.0±4.7	81.6±4.9	75.5±5.3
Louisiana	94.7±2.8	82.0±4.7	91.4±3.4	88.3±4.1	93.5±3.1	87.0±3.8	37.6±5.7	NA	79.7±4.9	78.4±5.0	72.4±5.2
LA-Orleans Parish	94.7±3.3	82.8±5.3	90.1±4.2	86.4±5.0	92.6±3.8	82.7±5.4	35.3±6.4	NA	79.5±5.7	78.8±5.7	71.6±6.3
LA-Rest of State	94.7±3.1	81.9±5.3	91.6±3.8	88.6±4.6	93.7±3.5	87.6±4.3	37.9±6.4	NA	79.7±5.5	78.3±5.6	72.6±5.9
Maine	99.1±1.3	91.4±3.5	96.8±2.1	93.6±3.1	94.4±2.8	89.5±3.7	31.3±5.4	NA	89.0±3.9	86.3±4.2	78.3±4.9
Maryland	94.7±3.0	84.1±4.3	89.9±3.6	89.1±3.9	92.3±3.4	87.3±4.1	53.2±5.5	NA	78.8±4.7	77.0±4.8	72.3±5.1
MD-City of Baltimore	97.7±2.2	85.5±5.1	93.7±3.3	93.2±3.6	97.1±2.3	82.7±7.4	54.7±7.7	NA	81.2±5.7	81.2±5.7	70.1±7.8
MD-Rest of State	94.1±3.5	83.9±4.9	89.3±4.2	88.4±4.5	91.4±4.0	88.2±4.6	53.0±6.3	NA	78.4±5.4	76.3±5.6	72.7±5.9
Massachusetts	99.2±0.9	91.1±3.4	93.5±2.5	96.0±2.0	98.4±1.3	90.5±3.2	47.7±5.4	NA	87.4±3.8	86.7±3.9	79.6±4.5
MA-City of Boston	99.7±0.6	92.8±3.0	96.0±2.5	98.2±1.4	98.1±1.5	93.7±3.2	49.7±6.6	NA	90.1±3.5	89.3±3.6	84.4±4.5
MA-Rest of State	99.1±1.0	90.9±3.8	93.2±2.8	95.7±2.2	98.4±1.4	90.2±3.5	47.4±6.0	NA	87.1±4.2	86.4±4.3	79.1±5.0
Michigan	94.1±2.8	82.7±4.3	90.2±3.4	90.4±3.4	92.0±3.1	90.5±3.0	29.6±5.0	NA	78.9±4.7	77.7±4.7	73.9±4.9
MI-City of Detroit	90.1±4.6	74.6±6.1	83.9±5.4	87.5±4.4	85.1±5.2	82.8±5.5	25.6±6.0	NA	71.6±6.3	69.6±6.4	64.6±6.6
MI-Rest of State	94.7±3.1	83.9±4.9	91.1±3.8	90.8±3.9	93.0±3.4	91.6±3.3	30.1±5.7	NA	80.0±5.3	78.9±5.4	75.3±5.6
Minnesota	96.9±2.3	88.5±4.0	90.7±3.7	92.4±3.3	95.5±2.7	86.2±4.1	46.1±6.1	NA	83.1±4.7	82.2±4.8	73.1±5.4
Mississippi	95.3±3.0	85.2±4.6	91.8±3.8	93.0±3.2	95.0±3.1	89.8±4.0	27.7±5.8	NA	83.7±4.9	83.7±4.9	79.5±5.3
Missouri	98.6±1.7	87.8±4.8	96.6±2.0	92.8±3.5	96.6±2.6	83.6±5.5	36.4±6.6	NA	85.8±5.0	84.5±5.1	74.8±6.2
Montana	95.8±2.4	86.6±3.9	92.4±3.1	91.4±3.2	94.9±2.7	85.6±4.0	35.4±5.8	NA	82.8±4.3	81.9±4.4	75.2±5.0
Nebraska	96.1±2.4	83.7±4.4	89.4±3.7	90.2±3.5	93.2±3.0	87.1±3.9	35.1±5.5	NA	78.0±4.9	76.4±5.0	71.1±5.2
Nevada	91.6±4.2	79.1±5.7	90.3±4.3	91.6±4.3	88.2±4.8	85.3±5.0	28.7±5.8	NA	78.5±5.7	75.7±5.9	70.4±6.1
New Hampshire	99.0±1.2	91.4±3.4	92.3±3.3	94.8±2.7	94.9±2.7	89.4±3.6	41.4±5.9	NA	85.1±4.3	82.2±4.6	75.8±5.1
New Jersey	97.3±2.2	85.8±5.7	94.5±2.7	96.1±2.1	94.4±3.8	90.0±4.1	51.3±7.1	NA	85.0±5.7	82.3±6.2	76.7±6.6
NJ-City of Newark	93.6±4.3	71.0±8.3	75.8±8.2	84.9±7.5	91.3±4.5	88.3±5.2	20.4±6.4	NA	66.3±8.7	64.2±8.7	62.0±8.8
NJ-Rest of State	97.4±2.3	86.5±6.0	95.4±2.8	96.7±2.1	94.5±4.0	90.0±4.3	52.8±7.5	NA	85.9±6.0	83.2±6.5	77.4±7.0
New Mexico	92.7±3.8	77.3±6.0	84.8±5.2	85.5±5.1	90.0±4.2	86.6±4.7	35.4±6.7	NA	73.3±6.3	71.1±6.4	66.0±6.6
New York	97.6±1.7	89.2±3.1	92.6±2.6	95.1±2.2	94.6±2.5	91.2±3.2	46.1±5.0	NA	85.7±3.5	84.5±3.6	79.9±4.1
NY-City of New York	95.8±3.1	85.0±5.3	91.6±3.9	95.4±2.9	91.3±4.4	90.0±4.8	52.0±7.4	NA	82.8±5.5	81.1±5.8	77.8±6.2
NY-Rest of State	99.2±1.6	92.9±3.7	93.4±3.5	94.8±3.2	97.4±2.4	92.3±4.2	40.9±6.7	NA	88.3±4.4	87.5±4.5	81.8±5.6
North Carolina	96.9±2.0	87.1±4.3	93.7±3.0	95.6±2.5	94.8±2.6	88.8±4.0	59.8±6.1	NA	84.1±4.6	82.8±4.7	76.7±5.3
North Dakota	93.7±3.1	83.3±4.7	89.4±3.8	87.6±4.2	92.3±3.3	86.3±4.1	36.4±5.6	NA	79.8±5.0	79.1±5.0	73.0±5.3
Ohio	96.0±1.8	81.7±3.9	91.0±2.6	91.4±2.9	95.6±1.8	87.6±3.2	36.7±4.8	NA	78.6±4.1	78.0±4.1	71.0±4.5
OH-Cuyahoga County	92.6±3.8	81.4±5.6	88.7±4.3	91.0±4.0	89.4±4.3	87.7±4.9	45.8±6.8	NA	77.5±5.8	74.6±6.0	71.1±6.3
OH-Franklin County	94.3±3.6	84.6±5.4	85.6±5.3	93.3±3.6	95.5±3.0	83.3±6.0	41.8±7.4	NA	77.8±6.2	77.8±6.2	69.3±7.1
OH-Rest of State	96.8±2.1	81.4±5.0	92.2±3.2	91.2±3.7	96.7±2.1	88.2±4.0	34.4±6.1	NA	78.9±5.2	78.7±5.2	71.3±5.7
Oklahoma	93.4±3.9	79.7±6.0	93.5±3.8	94.1±3.5	88.7±5.1	85.4±5.2	49.5±7.0	NA	78.5±6.1	75.3±6.4	70.3±6.6
Oregon	92.5±3.2	79.2±5.1	86.5±4.1	89.8±3.6	91.8±3.3	81.8±4.7	43.3±6.0	NA	75.5±5.3	75.5±5.3	67.4±5.7
Pennsylvania	98.1±1.4	87.4±3.4	91.8±2.8	94.4±2.4	97.0±1.6	88.8±3.2	57.7±5.0	NA	84.0±3.7	83.2±3.8	75.7±4.3
PA-Philadelphia County	95.2±3.4	85.5±5.2	90.6±4.2	93.0±4.2	92.8±3.7	82.1±5.3	68.6±6.6	NA	81.7±5.6	79.8±5.8	69.4±6.5
PA-Rest of State	98.7±1.5	87.8±3.9	92.0±3.3	94.6±2.8	97.8±1.8	90.0±3.6	55.7±5.8	NA	84.4±4.3	83.8±4.3	76.9±5.0
Rhode Island	98.8±1.4	90.1±3.6	96.2±2.2	96.5±2.2	97.0±2.1	88.8±3.8	56.3±6.2	NA	87.3±3.9	86.3±4.1	76.9±5.1
South Carolina	98.3±1.4	90.4±3.8	96.0±2.2	94.4±2.9	97.9±1.7	94.1±2.7	51.4±6.5	NA	88.4±4.0	87.9±4.1	83.8±4.6
South Dakota	95.3±2.6	78.6±5.1	90.5±3.5	89.8±3.9	92.7±3.1	82.1±5.1	12.9±4.1	NA	75.1±5.6	73.5±5.7	66.1±6.0
Tennessee	96.9±1.5	84.6±3.3	92.6±2.2	93.2±2.1	94.4±2.3	86.1±3.1	41.6±4.4	NA	82.6±3.4	81.5±3.5	73.5±3.9
TN-Davidson County	96.6±2.7	84.0±4.8	88.7±4.3	94.7±3.0	94.7±3.1	79.2±5.3	49.1±6.7	NA	81.2±5.1	79.7±5.3	65.5±6.2
TN-Shelby County	95.4±3.1	75.8±6.2	90.1±4.3	85.7±4.8	92.1±4.0	90.4±4.0	34.4±6.4	NA	73.7±6.3	71.2±6.5	67.8±6.6
TN-Rest of State	97.4±1.9	87.3±4.3	94.0±2.9	95.1±2.6	95.1±3.0	86.1±4.2	42.5±5.9	NA	85.4±4.5	84.7±4.6	76.4±5.3
Texas	93.0±2.1	78.3±3.6	87.6±2.8	89.6±2.6	91.3±2.3	79.1±3.5	44.1±4.3	NA	74.8±3.7	74.3±3.8	63.7±4.2
TX-Bexar County	95.6±2.8	82.9±5.1	92.7±3.4	92.1±3.7	92.9±3.4	91.6±3.7	47.8±6.8	NA	79.6±5.4	78.8±5.5	76.5±5.7
TX-City of Houston	86.5±5.3	64.6±7.5	75.8±6.7	85.1±5.3	83.9±5.7	68.5±7.2	39.2±7.3	NA	61.2±7.5	60.5±7.5	47.9±7.6
TX-Dallas County	92.2±4.0	75.6±6.4	87.9±4.9	86.5±4.9	90.2±4.3	73.4±6.8	37.5±7.3	NA	72.5±6.6	71.4±6.7	59.5±7.4
TX-El Paso County	92.6±3.3	81.4±4.7	91.2±3.5	88.1±3.9	91.1±3.5	76.1±5.2	41.8±6.1	NA	78.6±5.0	77.5±5.0	66.4±5.7
TX-Rest of State	94.2±3.0	80.8±5.2	89.1±4.0	90.9±3.8	92.8±3.3	81.0±5.0	45.9±6.4	NA	77.1±5.5	76.8±5.5	66.0±6.1
Utah	93.2±3.2	79.2±5.4	90.8±3.5	90.4±3.5	92.0±3.4	77.7±5.3	23.7±5.0	NA	76.8±5.5	75.6±5.6	64.8±6.2
Vermont	98.9±1.6	91.8±3.5	94.7±3.2	96.4±2.3	97.4±2.0	91.4±3.3	37.8±5.9	NA	87.3±4.3	85.8±4.4	80.7±4.8
Virginia	96.8±2.2	86.4±4.5	91.2±3.7	90.1±4.1	94.3±3.0	90.3±3.9	50.4±6.4	NA	82.0±5.1	80.4±5.3	75.1±5.7
Washington	96.1±1.9	84.4±3.5	91.9±2.7	90.0±3.1	94.8±2.2	81.3±3.7	21.2±3.7	NA	81.1±3.8	80.8±3.8	68.8±4.4
WA-King County	97.1±2.4	89.4±4.3	93.6±3.1	94.4±3.2	94.7±2.9	79.6±5.3	24.1±5.5	NA	86.7±4.6	85.7±4.8	71.9±5.9
WA-Rest of State	95.7±2.5	82.5±4.6	91.3±3.5	88.4±4.1	94.9±2.8	81.9±4.6	20.0±4.6	NA	79.0±5.0	79.0±5.0	67.6±5.7
West Virginia	97.6±2.0	88.1±3.8	92.4±3.2	92.5±3.1	96.9±2.2	90.1±3.7	42.5±6.0	NA	82.7±4.5	82.4±4.5	75.6±5.2
Wisconsin	96.4±1.8	84.4±3.6	92.0±2.5	92.0±2.5	94.4±2.1	84.4±3.4	32.8±4.4	NA	79.3±3.9	77.7±4.0	70.6±4.4
WI-Milwaukee County	93.1±4.0	79.8±5.6	87.5±4.6	87.8±4.9	90.0±4.4	76.5±5.6	37.5±6.3	NA	74.6±6.0	73.0±6.0	63.3±6.3
WI-Rest of State	97.3±1.9	85.7±4.3	93.3±3.0	93.3±2.9	95.7±2.4	86.7±4.1	31.3±5.4	NA	80.7±4.8	79.1±4.9	72.8±5.3
Wyoming	95.4±2.4	84.5±4.4	90.5±3.4	89.5±3.6	93.2±3.0	88.6±3.7	30.4±5.4	NA	80.4±4.7	79.9±4.7	75.4±5.1

* Children in the Q1/1998-Q4/1998 National Immunization Survey were born between February 1995 and May 1997.

† Three or more doses of any diphtheria and tetanus toxoids and pertussis vaccines including diphtheria and tetanus toxoids, and any acellular pertussis vaccine (DTP/DTaP/DT)

‡ Four or more doses of any diphtheria and tetanus toxoids and pertussis vaccines including diphtheria and tetanus toxoids, and any acellular pertussis vaccine (DTP/DTaP/DT)

§ Three or more doses of any poliovirus vaccine

‖ One or more doses of measles-mumps-rubella vaccine; previous reports of vaccination coverage were for measles-containing vaccine (MCV)

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

** Three or more doses of hepatitis B vaccine

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

‡‡ Three or more doses of DTP, three or more doses of poliovirus vaccine, and one or more doses of any MCV.

§§ Four or more doses of DTP, three or more doses of poliovirus vaccine, and one or more doses of any MCV.

‖‖ Four or more doses of DTP, three or more doses of poliovirus vaccine, one or more doses of any MCV, and three or more doses of Hib

¶¶ Four or more doses of DTP, three or more doses of poliovirus vaccine, one or more doses of any MCV, three or more doses of Hib, and three or more doses of HepB

*** % ± 95% Confidence Interval