Estimated Vaccination Coverage* with Individual Vaccines and Selected Vaccination Series
Among Children 19-35 Months of Age Not Participating in the Special Supplement Nutrition Program for Women, Infants, and Children (WIC) by State and Immunization Action Plan Area -- US, National Immunization Survey, 1999[†]

	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	97.1±0.5[†††]	86.8±1.0	91.1±0.8	93.6±0.7	95.0±0.6	89.2±0.9	59.9±1.4	88.3±0.9	83.2±1.1	81.8±1.1	76.4±1.2
Alabama	98.2±2.2	90.6±4.6	90.1±4.8	93.0±4.3	97.1±2.2	91.6±4.1	70.4±7.4	86.1±5.7	85.1±5.7	83.8±5.8	78.5±6.5
AL-Jefferson County	98.4±2.5	89.1±5.8	91.8±4.8	93.6±4.3	95.7±3.9	86.5±5.9	69.5±8.2	89.7±5.2	84.0±6.5	81.7±7.0	74.7±7.7
AL-Rest of State	98.1±2.6	91.0±5.4	89.7±5.7	92.9±5.2	97.4±2.5	92.7±4.7	70.6±8.7	85.3±6.8	85.3±6.8	84.2±6.9	79.2±7.6
Alaska	97.6±2.1	85.9±5.7	95.1±3.3	96.2±3.1	92.3±4.0	86.6±5.3	29.3±7.3	93.7±3.8	85.5±5.7	82.6±6.1	73.9±7.0
Arizona	92.9±4.2	80.0±6.2	88.6±4.9	90.4±4.5	90.4±4.5	84.7±5.4	64.3±6.7	86.1±5.3	78.3±6.3	75.6±6.4	68.5±6.8
AZ-Maricopa County	90.4±6.2	78.1±8.4	87.1±6.8	89.3±6.1	90.1±6.1	82.9±7.5	67.0±8.9	83.3±7.4	76.4±8.5	74.7±8.6	66.5±9.2
AZ-Rest of State	97.8±2.8	83.4±8.2	91.3±6.1	92.4±6.0	90.9±6.2	88.0±6.3	59.3±9.6	91.3±6.1	81.8±8.3	77.3±9.1	72.2±9.2
Arkansas	93.8±6.0	82.1±8.4	88.6±7.3	91.9±6.7	91.3±6.7	84.1±7.9	NA	88.6±7.3	81.5±8.5	80.1±8.7	70.4±9.7
California	97.8±1.6	84.2±4.8	90.8±3.8	93.7±3.3	94.0±2.8	90.0±3.8	74.5±5.5	88.4±4.3	80.9±5.2	77.6±5.5	73.6±5.7
CA-Los Angeles County	95.3±5.6	82.3±10.0	89.3±8.2	93.9±6.2	92.1±6.6	85.3±9.0	NA	87.8±8.6	82.3±10.0	NA	NA
CA-San Diego County	97.3±3.0	86.6±6.6	92.8±4.6	94.3±4.7	94.8±4.6	88.7±6.0	66.8±8.9	89.5±5.8	83.8±7.2	81.3±7.8	77.4±8.2
CA-Santa Clara County	94.2±3.5	87.2±5.0	90.6±4.4	93.4±3.9	92.1±4.2	88.9±4.8	70.5±6.9	88.8±4.6	83.8±5.4	81.7±5.8	77.4±6.3
CA-Rest of State	99.2±1.6	84.1±6.9	91.2±5.4	93.5±4.8	94.8±3.8	91.9±5.1	75.5±8.1	88.3±6.2	79.7±7.6	76.0±8.0	73.4±8.3
Colorado	96.7±2.9	87.1±5.1	92.9±3.8	95.1±3.2	94.6±3.3	91.8±4.2	60.7±7.4	89.3±4.7	83.0±5.8	81.1±5.9	78.5±6.2
Connecticut	99.5±0.9	94.5±3.8	95.5±3.3	97.1±2.8	99.7±0.5	95.0±3.0	62.9±7.5	92.9±4.2	90.7±4.8	90.5±4.8	86.5±5.3
Delaware	99.3±1.3	90.1±5.2	94.7±4.2	96.7±3.3	97.4±2.6	88.1±5.6	69.2±7.9	92.0±5.1	86.0±6.3	84.7±6.4	75.3±7.5
District of Columbia	98.2±2.8	88.3±7.4	90.1±6.8	93.3±5.4	94.2±5.2	92.7±5.6	73.9±9.8	88.9±7.1	86.3±7.8	84.0±8.2	81.9±8.6
Florida	97.1±2.3	86.8±5.0	92.6±3.7	90.7±4.6	95.2±2.9	92.8±3.7	59.5±7.2	87.8±4.9	83.8±5.4	82.5±5.6	80.4±5.8
FL-Miami-Dade County	96.9±4.0	85.4±7.1	94.0±4.2	97.6±2.8	96.0±4.2	93.0±4.6	49.6±9.8	90.7±5.8	84.3±7.2	83.4±7.2	81.5±7.5
FL-Duval County	96.6±3.4	85.9±6.2	91.5±5.0	93.8±4.2	94.1±5.0	89.9±6.0	64.3±8.9	89.6±5.5	84.2±6.5	82.4±7.1	81.6±7.2
FL-Rest of State	97.1±2.8	87.2±6.2	92.4±4.7	89.1±5.8	95.1±3.6	93.0±4.6	61.1±8.9	87.1±6.1	83.7±6.8	82.3±6.9	80.1±7.3
Georgia	96.2±3.6	88.9±5.1	90.3±5.2	94.1±4.1	94.0±4.3	90.5±5.3	64.9±7.9	88.3±5.6	85.3±5.9	84.0±6.2	81.9±6.4
GA-Fulton/DeKalb Counties	99.6±0.8	92.2±5.2	95.7±4.0	96.6±3.4	97.1±3.3	95.9±3.9	67.4±9.2	94.5±4.3	89.5±6.0	89.0±6.0	87.9±6.3
GA-Rest of State	95.3±4.5	88.0±6.3	88.8±6.5	93.4±5.1	93.2±5.5	89.0±6.6	64.2±9.8	86.6±7.0	84.2±7.3	82.6±7.7	80.2±8.0
Hawaii	94.8±4.7	89.4±6.4	91.6±5.5	95.3±4.7	92.8±5.2	91.6±5.5	67.3±9.2	91.4±5.5	86.2±6.9	84.2±7.2	80.8±7.6
Idaho	92.0±4.2	76.8±6.6	86.5±5.2	87.7±5.0	89.3±4.9	82.1±6.0	17.2±5.7	81.6±5.9	72.4±6.9	71.2±7.0	66.6±7.3
Illinois	97.9±1.8	82.0±5.7	88.3±4.7	91.8±3.9	96.0±2.8	89.4±4.7	49.6±6.7	85.2±5.2	79.4±5.8	78.3±5.9	73.1±6.4
IL-City of Chicago	94.3±6.9	83.6±8.7	87.2±8.3	88.4±7.1	94.5±4.8	91.1±5.8	NA	79.2±9.6	75.6±9.9	NA	NA
IL-Rest of State	98.5±1.7	81.7±6.6	88.5±5.3	92.4±4.5	96.3±3.2	89.1±5.5	49.7±7.7	86.4±5.9	80.1±6.7	79.1±6.8	73.5±7.3
Indiana	98.2±1.8	81.5±6.2	93.6±3.1	92.7±4.3	95.2±3.2	85.3±5.0	42.8±7.6	88.5±4.9	79.6±6.3	78.0±6.4	69.4±6.9
IN-Marion County	98.4±2.3	87.9±6.7	91.7±5.3	93.0±5.0	97.9±2.5	81.8±8.0	49.0±9.8	89.7±5.7	86.0±7.0	85.6±7.0	71.2±9.2
IN-Rest of State	98.2±2.1	80.3±7.2	94.0±3.6	92.6±5.0	94.7±3.7	85.9±5.7	41.7±8.7	88.3±5.7	78.4±7.3	76.7±7.4	69.1±8.0
Iowa	99.6±0.9	87.0±5.4	92.4±4.3	93.6±4.2	98.9±1.6	90.3±4.4	46.5±7.6	89.4±5.0	85.5±5.5	85.5±5.5	79.2±6.3
Kansas	95.7±3.1	86.5±5.5	91.7±4.1	90.1±5.0	94.7±3.4	83.5±5.6	54.5±7.6	86.7±5.4	83.4±5.8	82.6±5.9	74.5±6.6
Kentucky	97.7±2.8	89.8±5.8	90.7±5.6	91.1±5.5	96.5±3.2	92.5±5.1	65.1±9.1	88.3±6.1	86.6±6.5	85.4±6.6	79.6±7.7
Louisiana	94.9±3.6	78.1±7.2	88.6±5.5	90.1±5.1	93.3±4.5	86.7±5.9	60.8±8.4	85.5±6.1	77.5±7.2	77.5±7.2	71.9±7.7
LA-Orleans Parish	93.2±6.6	82.7±9.2	89.2±7.5	92.9±6.0	96.4±5.0	87.5±8.0	NA	84.7±8.7	77.1±10.0	77.1±10.0	NA
LA-Rest of State	95.1±3.9	77.5±8.0	88.5±6.1	89.8±5.7	93.0±4.9	86.6±6.5	61.3±9.3	85.6±6.7	77.5±8.0	77.5±8.0	72.2±8.5
Maine	97.5±2.5	91.7±5.3	93.1±4.2	94.5±3.7	95.3±3.6	86.1±5.7	44.3±8.4	92.4±4.4	88.8±5.8	86.6±6.3	80.1±7.1
Maryland	98.3±1.6	88.7±4.5	91.0±4.0	97.6±1.9	96.2±2.9	87.5±4.7	69.8±6.6	89.9±4.2	84.3±5.1	82.7±5.4	74.1±6.2
MD-City of Baltimore	95.1±6.7	85.2±9.9	87.3±8.7	94.5±6.8	95.1±6.7	86.7±9.2	NA	87.3±8.7	NA	NA	NA
MD-Rest of State	98.5±1.7	89.0±4.8	91.2±4.2	97.8±1.9	96.3±3.0	87.6±4.9	69.4±7.0	90.1±4.4	84.6±5.4	83.0±5.7	74.0±6.6
Massachusetts	95.9±3.5	92.0±4.4	92.5±4.3	93.7±4.0	94.0±4.4	90.3±4.9	63.2±7.7	90.2±4.8	87.5±5.3	86.1±5.7	82.8±6.2
MA-City of Boston	98.0±2.7	92.4±6.3	91.4±7.2	97.4±3.8	97.9±2.9	96.7±3.7	NA	88.6±8.0	85.3±8.5	84.1±8.7	81.8±9.1
MA-Rest of State	95.8±3.6	91.9±4.7	92.6±4.5	93.5±4.2	93.8±4.6	89.9±5.1	63.2±8.0	90.3±5.0	87.6±5.5	86.2±6.0	82.8±6.5
Michigan	97.1±2.7	85.8±5.3	91.0±4.3	94.6±3.2	95.1±3.3	90.4±5.0	47.9±7.6	88.4±4.7	82.9±5.7	81.8±5.8	77.3±6.5
MI-City of Detroit	93.8±6.8	NA	NA	89.0±9.8	NA	89.4±9.4	NA	NA	NA	NA	NA
MI-Rest of State	97.2±2.8	86.5±5.5	91.7±4.4	94.8±3.3	95.5±3.4	90.4±5.2	48.3±7.9	89.2±4.8	83.7±5.9	82.6±6.1	77.8±6.7
Minnesota	98.8±1.8	92.0±5.2	95.2±4.0	95.9±2.9	98.6±1.6	93.1±3.8	63.8±7.9	91.8±4.8	87.6±6.3	86.5±6.4	81.5±6.9
Mississippi	97.8±3.2	83.6±9.4	92.7±5.2	95.3±4.4	95.5±4.1	89.3±6.7	NA	91.0±6.1	83.6±9.4	83.6±9.4	78.3±10.0
Missouri	98.2±2.6	89.1±5.2	86.5±5.9	94.8±3.9	96.2±3.4	88.6±5.3	57.8±8.2	85.1±6.1	83.0±6.4	81.7±6.5	75.5±7.1
Montana	97.4±3.1	91.7±4.9	97.0±3.0	96.6±3.1	95.4±3.8	91.6±4.6	46.4±8.5	94.1±4.1	89.1±5.4	87.7±5.6	80.8±6.6
Nebraska	96.7±2.9	89.2±4.7	90.4±4.4	93.9±3.7	94.0±3.8	91.7±4.2	54.1±7.8	89.9±4.5	86.4±5.1	84.6±5.4	81.6±5.7
Nevada	92.9±5.0	78.4±6.9	84.1±6.3	89.0±5.5	92.4±5.1	86.6±6.1	48.3±8.1	80.5±6.7	73.7±7.2	73.1±7.3	67.7±7.7
New Hampshire	98.7±1.8	92.3±4.2	93.3±3.9	93.1±3.9	97.7±2.3	90.5±4.5	53.3±7.8	87.7±5.1	84.7±5.7	84.7±5.7	78.5±6.4
New Jersey	98.2±1.7	86.0±4.9	91.0±4.4	96.0±2.6	96.8±2.6	91.4±3.7	64.1±6.7	89.8±4.6	83.1±5.5	83.0±5.5	77.5±6.0
NJ-City of Newark	NA	NA	NA	NA	94.5±8.1	NA	NA	NA	NA	NA	NA
NJ-Rest of State	98.2±1.8	86.3±5.0	91.1±4.5	96.0±2.6	96.8±2.6	91.3±3.7	64.1±6.8	89.9±4.6	83.4±5.5	83.4±5.5	77.8±6.0
New Mexico	95.6±4.2	83.8±7.4	88.7±6.6	90.6±5.6	91.4±5.6	85.2±7.2	NA	83.2±7.4	78.9±8.1	75.7±8.6	67.6±9.6
New York	98.2±1.6	89.2±4.0	91.8±3.4	95.7±2.6	95.9±2.6	95.6±2.5	51.2±6.5	88.6±4.0	83.5±4.7	81.4±5.0	79.6±5.2
NY-City of New York	96.7±3.9	84.5±8.5	88.7±7.2	96.2±5.3	92.9±5.7	93.7±5.1	NA	85.6±8.3	80.4±9.4	77.8±9.8	76.0±10.0
NY-Rest of State	98.9±1.5	91.3±4.3	93.1±3.6	95.4±3.0	97.2±2.8	96.5±2.8	53.0±7.9	89.9±4.4	84.8±5.4	83.0±5.8	81.2±6.1
North Carolina	97.3±3.1	88.6±5.8	90.2±5.5	93.5±4.5	97.3±3.1	91.6±5.0	67.7±8.5	88.4±5.8	86.8±6.1	86.8±6.1	83.0±6.7
North Dakota	96.1±3.2	89.2±5.3	88.6±5.4	89.3±5.3	93.7±3.9	89.8±5.4	45.8±8.0	83.2±6.2	82.0±6.4	79.7±6.6	74.6±7.3
Ohio	96.9±2.4	88.3±4.3	92.4±3.3	94.8±2.7	96.0±2.5	88.0±4.3	56.2±6.5	89.9±3.8	85.7±4.6	85.0±4.6	79.6±5.1
OH-Cuyahoga County	96.8±3.4	89.7±5.1	90.3±5.7	93.5±5.3	96.0±3.7	89.5±5.0	56.7±8.1	87.2±6.1	84.3±6.4	83.4±6.6	77.3±7.1
OH-Franklin County	98.0±2.0	91.1±4.4	92.1±4.0	96.7±2.6	94.8±3.4	87.0±5.4	66.3±7.3	90.5±4.3	86.3±5.2	84.9±5.4	76.5±6.5
OH-Rest of State	96.8±3.0	87.6±5.5	92.8±4.2	94.7±3.4	96.2±3.2	87.9±5.5	54.5±8.3	90.1±4.8	85.8±5.8	85.2±5.9	80.4±6.5
Oklahoma	95.6±5.3	86.4±8.3	91.6±6.2	91.8±7.3	94.6±5.6	89.5±7.0	73.7±9.5	85.7±8.3	80.5±9.3	79.6±9.4	76.7±9.6
Oregon	90.0±6.3	81.4±7.8	81.4±7.6	88.7±6.0	87.6±6.7	77.3±7.8	57.7±9.0	78.7±7.9	76.1±8.3	74.3±8.4	64.5±8.8
Pennsylvania	98.6±1.4	91.7±4.3	94.9±3.0	94.4±3.7	98.3±1.5	92.0±4.2	69.4±6.6	91.3±4.3	87.7±4.9	87.4±4.9	83.6±5.3
PA-Philadelphia County	98.7±2.5	92.6±6.6	95.0±4.4	94.1±6.3	97.4±3.6	83.9±8.7	NA	91.3±7.0	90.5±7.1	89.2±7.4	81.4±8.9
PA-Rest of State	98.6±1.5	91.7±4.6	94.9±3.3	94.4±3.9	98.4±1.6	92.7±4.4	69.5±7.1	91.3±4.7	87.5±5.2	87.2±5.2	83.7±5.7
Rhode Island	NA	95.1±3.4	95.3±3.2	95.9±3.6	99.1±1.2	93.4±4.3	78.9±6.9	92.6±4.4	90.6±4.9	89.7±5.0	84.4±6.2
South Carolina	97.0±3.5	89.3±6.0	90.8±5.3	92.4±5.1	96.5±3.6	91.4±5.4	69.2±8.5	86.5±6.3	85.1±6.6	85.1±6.6	81.1±7.3
South Dakota	97.8±2.2	84.5±5.4	92.5±4.3	91.7±4.3	97.3±2.8	92.1±4.5	19.5±6.1	87.9±5.1	81.1±6.0	81.1±6.0	77.3±6.5
Tennessee	98.6±0.9	85.2±6.1	87.6±5.7	91.1±5.1	92.0±3.9	81.5±5.6	58.9±7.2	86.4±5.8	81.7±6.3	78.7±6.6	66.4±7.1
TN-Davidson County	91.2±5.6	81.4±7.3	81.1±7.3	85.8±6.5	86.2±6.7	72.8±8.1	58.3±8.8	78.4±7.6	77.2±7.7	73.6±8.1	59.9±8.8
TN-Shelby County	98.9±1.6	85.6±7.1	94.9±3.8	92.1±4.9	97.2±2.9	92.5±4.9	59.3±9.7	90.7±5.3	82.2±7.6	82.2±7.6	77.8±8.1
TN-Rest of State	NA	85.9±8.7	86.8±8.3	91.8±7.4	91.7±5.5	80.1±8.0	NA	86.7±8.3	82.4±9.0	78.8±9.3	NA
Texas	92.4±3.9	82.2±5.2	87.0±4.7	93.4±3.4	89.2±4.5	80.7±5.5	64.3±6.2	86.0±4.7	79.1±5.5	76.4±5.8	67.0±6.3
TX-Bexar County	93.3±7.7	NA	86.8±8.9	91.2±8.0	90.6±8.1	85.9±9.0	NA	86.5±8.9	NA	NA	NA
TX-City of Houston	94.6±5.8	84.9±8.2	89.7±7.1	92.2±6.5	91.7±7.7	82.8±9.4	NA	88.5±7.4	83.4±8.4	80.5±9.6	NA
TX-Dallas County	98.5±2.9	91.6±5.9	93.6±5.6	95.1±4.3	94.8±5.9	89.3±7.3	NA	90.6±6.5	87.3±7.4	83.5±8.6	77.2±9.8
TX-El Paso County	92.8±6.6	NA	90.4±7.3	91.2±7.0	NA	NA	NA	86.7±8.6	NA	NA	NA
TX-Rest of State	90.9±5.5	80.7±7.2	85.3±6.5	93.5±4.6	87.9±6.2	78.7±7.6	62.2±8.5	84.7±6.5	77.5±7.5	75.1±7.9	64.6±8.6
Utah	93.6±4.5	83.6±6.2	88.7±5.6	90.3±5.3	91.9±4.8	70.9±7.5	43.6±8.0	85.8±6.0	80.3±6.6	79.4±6.7	62.8±7.9
Vermont	99.5±1.0	94.2±4.2	93.9±4.1	99.2±1.1	99.5±1.0	89.1±5.0	48.4±8.3	93.6±4.1	91.5±4.8	91.5±4.8	83.7±6.2
Virginia	98.3±2.2	91.5±4.6	95.4±3.0	93.4±4.3	96.4±3.0	92.1±4.5	69.7±7.4	90.5±4.8	87.7±5.3	85.8±5.6	81.3±6.3
Washington	98.4±1.4	86.9±4.3	92.8±3.0	89.5±3.9	97.5±2.0	87.6±4.1	37.4±6.1	85.8±4.3	81.6±4.8	80.7±4.9	70.7±5.7
WA-King County	98.0±1.9	88.2±5.1	89.5±5.0	92.5±4.2	97.3±2.2	85.9±5.3	47.5±7.6	87.4±5.3	83.4±5.8	82.6±5.9	73.1±6.8
WA-Rest of State	98.6±1.9	86.2±5.9	94.5±3.8	87.9±5.4	97.6±2.8	88.4±5.5	32.4±8.2	85.0±6.0	80.7±6.6	79.7±6.8	69.4±7.9
West Virginia	NA	90.0±6.3	93.1±5.1	94.1±5.0	98.8±1.7	89.3±6.2	47.1±9.3	89.6±6.2	86.3±7.1	85.1±7.2	78.8±8.1
Wisconsin	98.7±1.3	91.8±3.3	94.3±2.7	96.8±2.3	96.9±2.1	92.0±3.4	51.9±6.2	93.2±3.0	89.6±3.6	88.6±3.8	83.4±4.5
WI-Milwaukee County	98.6±2.8	84.7±7.7	90.7±5.7	98.5±2.1	94.7±5.9	91.5±5.3	54.7±9.8	89.2±6.0	78.9±8.5	77.7±8.5	72.7±9.0
WI-Rest of State	98.8±1.5	93.0±3.6	94.9±3.0	96.5±2.6	97.3±2.2	92.1±3.9	51.4±7.0	93.8±3.4	91.3±3.9	90.3±4.1	85.1±5.0
Wyoming	98.6±2.1	88.2±5.5	95.1±3.8	93.8±4.0	96.7±3.0	96.7±3.0	55.1±7.8	92.1±4.5	86.2±5.9	85.7±5.9	84.2±6.2

* 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

† Children in the 1999 National Immunization Survey were born between February 1996 and May 1998.

‡ 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