Estimated Vaccination Coverage* with Individual Vaccines and Selected Vaccination Series
Among Children 19-35 Months of Age Living in an MSA[†] Non Central City 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	96.7±0.6[‡‡‡]	84.3±1.2	90.1±1.0	92.1±0.9	94.5±0.8	89.1±1.0	60.5±1.6	86.4±1.2	80.6±1.3	79.1±1.4	73.9±1.5
Alabama	95.2±4.0	85.6±6.5	89.4±5.8	91.1±5.4	96.0±3.1	91.3±6.7	65.3±9.0	83.2±7.0	79.9±7.4	78.5±7.4	75.3±8.6
AL-Jefferson County	98.3±3.3	93.2±5.8	93.0±5.7	94.3±5.1	96.0±4.6	90.9±6.1	NA	92.2±5.9	89.4±6.9	87.0±7.4	82.7±8.2
AL-Rest of State	94.7±4.6	84.4±7.5	88.9±6.7	90.6±6.2	96.0±3.5	91.4±7.8	NA	81.7±8.1	78.4±8.5	77.1±8.6	74.1±9.9
Alaska	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arizona	93.3±5.0	76.3±8.1	87.6±6.1	89.2±5.9	92.8±5.0	85.5±6.5	58.1±8.0	83.1±6.7	72.7±8.2	71.4±8.3	65.4±8.5
AZ-Maricopa County	94.4±5.7	78.0±9.7	88.3±7.2	89.6±7.0	95.4±5.4	85.1±7.9	60.6±9.4	83.1±7.9	74.5±9.9	74.5±9.9	NA
AZ-Rest of State	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arkansas	96.3±4.3	83.3±9.6	89.9±8.1	88.5±8.4	93.5±5.7	89.7±7.2	NA	86.7±8.9	NA	NA	NA
California	96.2±2.0	82.5±3.9	90.7±3.0	91.6±3.1	92.5±2.8	88.7±3.2	71.5±4.5	86.4±3.6	78.8±4.2	75.4±4.5	70.8±4.6
CA-Los Angeles County	93.5±4.1	81.7±6.2	89.1±5.0	92.7±4.2	91.6±4.4	86.8±5.4	73.0±6.7	87.8±5.3	80.8±6.3	78.9±6.5	71.9±7.0
CA-San Diego County	97.5±2.8	84.6±6.0	91.6±4.5	93.4±4.4	95.0±3.9	87.6±5.4	71.6±7.3	86.0±5.9	78.7±7.0	77.2±7.1	71.3±7.5
CA-Santa Clara County	96.3±3.6	88.7±5.7	91.8±5.0	94.4±4.4	93.8±4.5	87.3±6.3	69.7±8.5	89.6±5.4	84.9±6.3	82.5±6.7	74.8±7.9
CA-Rest of State	97.7±2.6	82.3±5.9	91.4±4.3	90.5±5.0	92.6±4.2	90.2±4.7	70.6±7.0	85.4±5.6	77.1±6.5	72.5±6.9	69.8±7.1
Colorado	95.9±5.1	82.0±8.4	86.6±7.3	89.1±7.0	95.2±5.2	86.5±7.5	NA	84.1±7.8	78.9±8.8	78.2±8.9	70.7±9.6
Connecticut	98.5±2.1	92.9±4.1	91.3±4.6	95.5±3.3	97.4±2.9	92.3±3.7	67.4±6.9	89.4±4.9	87.4±5.3	86.4±5.6	82.1±5.9
Delaware	97.8±3.1	80.2±8.0	89.9±6.3	90.4±6.0	96.9±3.5	88.4±6.6	56.3±10.0	85.1±7.4	73.5±8.9	73.5±8.9	66.3±9.5
District of Columbia	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Florida	95.7±4.3	85.3±6.4	94.0±4.7	89.6±5.8	93.5±4.8	92.5±4.5	48.8±8.6	85.9±6.7	80.9±7.2	79.9±7.3	77.3±7.8
FL-Miami-Dade County	96.7±4.8	84.7±9.1	91.9±6.5	96.5±4.8	96.7±4.8	97.6±3.4	NA	89.6±7.7	83.9±9.2	83.9±9.2	82.5±9.4
FL-Duval County	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FL-Rest of State	95.5±4.9	85.6±7.3	94.3±5.3	88.5±6.7	93.1±5.6	91.7±5.3	50.0±9.8	85.3±7.7	80.7±8.3	79.5±8.3	76.7±9.0
Georgia	95.3±3.6	84.3±5.6	89.8±4.7	90.0±4.7	92.8±4.0	89.9±4.6	69.8±6.7	86.8±5.2	82.2±5.8	80.5±6.0	77.9±6.1
GA-Fulton/DeKalb Counties	99.1±1.3	89.2±5.0	94.3±4.0	93.1±4.2	93.5±4.1	91.1±4.7	70.1±7.9	91.0±4.6	86.4±5.5	82.9±6.1	77.6±6.9
GA-Rest of State	94.1±4.7	82.7±7.2	88.4±6.1	89.0±6.1	92.6±5.2	89.6±6.0	69.7±8.5	85.5±6.7	80.8±7.5	79.7±7.7	78.0±7.8
Hawaii	95.7±3.4	90.5±4.8	91.4±4.7	96.1±3.0	92.9±4.2	90.4±5.1	63.8±8.3	88.5±5.3	84.9±6.0	83.2±6.2	80.8±6.7
Idaho	89.7±8.0	NA	87.0±8.6	83.8±9.4	89.7±8.0	NA	NA	NA	NA	NA	NA
Illinois	97.5±2.6	82.5±6.0	87.2±5.4	94.0±3.7	95.2±3.7	88.6±5.2	44.5±7.4	85.3±5.7	79.0±6.4	77.6±6.6	73.1±7.0
IL-City of Chicago	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IL-Rest of State	97.4±2.7	82.2±6.1	86.9±5.5	93.9±3.8	95.1±3.7	88.4±5.3	45.2±7.4	85.0±5.8	78.6±6.5	77.3±6.6	72.7±7.0
Indiana	98.5±2.1	75.4±8.5	91.1±5.4	91.8±5.8	96.5±3.0	82.2±7.3	NA	85.8±6.9	74.7±8.6	73.1±8.7	63.5±9.3
IN-Marion County	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IN-Rest of State	98.5±2.2	74.6±8.8	90.8±5.6	91.5±6.0	96.4±3.1	82.3±7.5	NA	85.3±7.1	73.9±8.8	72.2±8.9	62.9±9.6
Iowa	98.3±3.4	91.4±7.4	94.2±6.5	91.9±6.9	98.3±3.4	93.6±6.1	NA	91.4±7.4	91.4±7.4	91.4±7.4	86.7±8.8
Kansas	96.1±3.9	87.5±7.0	93.4±4.8	92.3±5.7	96.1±3.9	83.4±8.1	NA	88.5±6.7	83.1±7.9	83.1±7.9	72.8±9.3
Kentucky	97.1±4.1	93.3±6.0	88.8±8.3	94.5±5.6	97.1±4.1	91.9±6.8	NA	88.1±8.4	88.1±8.4	88.1±8.4	81.2±10.0
Louisiana	97.4±2.8	78.5±7.7	88.8±5.2	88.1±6.5	92.7±5.9	89.7±4.8	60.0±8.8	82.0±7.3	75.6±7.9	75.6±7.9	71.3±8.2
LA-Orleans Parish	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LA-Rest of State	97.4±2.8	78.5±7.8	89.3±5.2	88.2±6.6	92.6±6.0	89.7±4.9	59.7±8.9	82.4±7.3	75.9±8.0	75.9±8.0	71.6±8.3
Maine	97.0±3.0	85.0±7.1	92.2±5.0	90.3±5.6	95.1±4.0	86.1±6.3	44.6±9.2	89.2±5.9	83.3±7.4	81.5±7.7	74.0±8.4
Maryland	97.1±2.4	85.6±4.8	89.6±4.1	96.2±2.4	95.0±3.1	88.3±4.2	72.3±5.8	87.7±4.4	82.5±5.0	81.3±5.2	74.5±5.7
MD-City of Baltimore	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MD-Rest of State	97.1±2.4	85.5±4.8	89.5±4.1	96.1±2.4	94.9±3.1	88.3±4.3	72.1±5.8	87.7±4.4	82.4±5.1	81.2±5.2	74.5±5.8
Massachusetts	97.4±2.2	90.8±3.8	93.3±3.3	93.8±3.2	95.0±3.3	91.8±3.5	65.5±6.0	90.9±3.7	87.5±4.2	85.4±4.7	81.7±5.1
MA-City of Boston	98.8±1.7	94.9±4.4	95.7±3.9	95.4±3.8	98.7±1.9	91.7±5.9	73.3±9.5	92.5±4.7	89.2±6.0	88.5±6.1	83.2±7.4
MA-Rest of State	97.3±2.3	90.6±4.0	93.2±3.4	93.7±3.3	94.9±3.4	91.8±3.6	65.1±6.3	90.8±3.9	87.4±4.4	85.3±4.9	81.6±5.3
Michigan	96.8±3.1	80.0±6.6	88.6±5.3	90.1±4.9	95.3±3.7	88.0±5.6	43.8±7.7	85.6±5.6	77.9±6.8	77.2±6.9	72.6±7.3
MI-City of Detroit	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MI-Rest of State	96.8±3.2	79.9±6.7	88.5±5.4	90.1±5.0	95.3±3.7	88.0±5.7	44.1±7.9	85.6±5.7	77.7±6.9	77.0±7.0	72.4±7.4
Minnesota	98.9±2.2	92.1±6.7	93.2±5.7	97.6±3.0	NA	94.8±4.3	65.3±9.7	90.7±6.5	87.9±8.1	87.9±8.1	83.3±8.7
Mississippi	NA	NA	95.1±6.8	92.2±9.2	98.0±4.0	97.1±5.6	NA	NA	NA	NA	NA
Missouri	96.9±3.1	81.1±7.1	80.9±7.0	85.6±6.4	95.6±3.6	84.8±6.4	59.1±8.4	78.3±7.3	72.4±8.0	71.8±8.0	64.9±8.3
Montana	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nebraska	NA	NA	NA	95.5±8.5	NA	97.2±5.4	NA	95.5±8.5	NA	NA	NA
Nevada	94.9±5.0	84.8±8.2	88.3±7.6	92.5±6.0	94.9±5.0	93.8±5.5	NA	85.6±8.3	80.8±9.1	80.8±9.1	80.8±9.1
New Hampshire	99.5±0.9	90.2±4.8	94.5±3.7	93.0±4.0	99.1±1.3	89.9±4.8	59.1±7.7	88.6±5.0	83.9±5.8	83.9±5.8	77.4±6.7
New Jersey	98.5±1.3	85.8±4.7	92.6±3.4	94.9±3.0	97.6±1.9	91.6±3.3	61.0±6.1	89.9±4.1	83.2±5.0	83.2±5.0	77.5±5.4
NJ-City of Newark	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NJ-Rest of State	98.5±1.3	85.9±4.7	92.6±3.4	95.0±3.0	97.6±1.9	91.7±3.3	61.0±6.2	89.9±4.1	83.4±5.0	83.4±5.0	77.7±5.4
New Mexico	93.2±7.5	NA	NA	88.5±9.1	90.9±8.2	88.2±9.3	NA	NA	NA	NA	NA
New York	99.0±1.3	88.9±4.7	94.7±3.0	93.8±3.4	95.3±3.1	95.9±2.8	58.6±7.5	90.0±4.2	84.1±5.3	82.3±5.6	80.3±5.9
NY-City of New York	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NY-Rest of State	99.0±1.3	88.9±4.7	94.7±3.0	93.8±3.4	95.3±3.1	95.9±2.8	58.6±7.5	90.0±4.2	84.1±5.3	82.3±5.6	80.3±5.9
North Carolina	94.4±5.4	80.6±9.2	81.9±9.0	92.2±5.7	94.4±5.4	87.2±7.6	NA	80.2±9.2	78.0±9.5	78.0±9.5	NA
North Dakota	93.3±9.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ohio	97.0±2.9	83.6±6.3	88.8±5.1	92.3±4.4	95.8±3.3	87.3±5.7	56.8±8.2	85.4±5.7	81.0±6.5	80.0±6.6	75.2±7.1
OH-Cuyahoga County	97.2±3.2	85.0±7.6	92.0±5.7	92.9±5.1	96.0±4.6	93.7±4.4	51.3±10.0	87.3±6.8	80.2±8.4	80.2±8.4	75.7±8.8
OH-Franklin County	96.7±3.4	82.9±7.6	88.1±6.5	94.0±4.7	94.4±4.4	88.2±6.5	67.6±9.3	86.0±7.0	80.1±8.0	78.2±8.1	74.0±8.7
OH-Rest of State	97.0±3.6	83.5±7.7	88.5±6.3	92.1±5.4	96.0±4.1	86.3±7.0	NA	85.1±7.1	81.2±8.0	80.2±8.1	75.3±8.7
Oklahoma	97.9±2.4	78.5±9.4	88.7±6.7	87.2±7.9	91.5±6.0	89.9±6.5	NA	81.5±8.7	75.1±9.9	74.2±10.0	NA
Oregon	92.2±5.7	84.3±7.5	80.8±7.9	90.7±5.9	90.0±6.4	84.3±7.3	66.6±9.4	78.7±8.2	74.9±8.8	74.9±8.8	68.7±9.3
Pennsylvania	98.5±1.7	91.9±4.4	93.0±4.1	94.6±3.5	98.2±1.8	94.8±3.5	64.1±7.9	90.7±4.5	87.5±5.1	87.2±5.1	84.4±5.6
PA-Philadelphia County	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PA-Rest of State	98.5±1.7	91.9±4.4	93.0±4.1	94.6±3.5	98.2±1.8	94.8±3.5	64.1±7.9	90.7±4.5	87.5±5.1	87.2±5.1	84.4±5.6
Rhode Island	99.2±1.5	93.0±4.3	93.9±3.9	95.6±3.6	97.9±2.1	93.0±4.1	78.3±6.6	92.7±4.2	90.3±4.7	89.0±4.9	83.8±5.9
South Carolina	93.0±5.6	83.1±7.5	89.2±6.2	90.9±5.8	91.3±5.8	88.1±6.6	64.7±8.7	85.4±7.0	81.2±7.7	79.9±7.8	76.3±8.2
South Dakota	NA	94.0±7.0	NA	96.2±5.5	NA	95.0±6.9	NA	96.2±5.5	94.0±7.0	94.0±7.0	89.0±9.7
Tennessee	94.3±4.6	79.0±8.8	81.4±8.7	85.2±8.1	90.6±5.6	80.0±7.4	48.7±9.3	80.0±8.8	77.7±8.9	77.7±8.9	65.8±9.3
TN-Davidson County	94.7±5.9	NA	89.4±8.2	90.0±7.8	94.7±5.9	NA	NA	85.8±9.3	NA	NA	NA
TN-Shelby County	NA	NA	95.4±6.4	95.6±6.0	95.4±6.3	91.8±7.9	NA	92.9±7.9	NA	NA	NA
TN-Rest of State	93.6±5.5	NA	NA	83.5±9.7	89.7±6.7	79.3±8.8	NA	NA	NA	NA	NA
Texas	95.3±3.1	80.9±6.4	87.4±5.3	93.2±4.2	93.2±3.8	83.1±5.8	60.4±7.7	84.8±5.7	76.8±6.8	76.2±6.8	65.7±7.5
TX-Bexar County	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TX-City of Houston	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TX-Dallas County	94.4±5.2	82.2±8.4	89.4±6.6	88.3±7.3	88.9±7.4	88.1±6.8	NA	83.9±8.2	79.0±8.9	75.2±9.7	NA
TX-El Paso County	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TX-Rest of State	96.1±3.6	81.2±7.9	87.4±6.6	94.6±5.1	94.6±4.5	82.8±7.1	60.0±9.4	85.5±7.0	76.8±8.4	76.8±8.4	65.0±9.2
Utah	91.5±5.8	81.2±8.1	89.5±6.4	94.1±5.1	89.4±6.9	69.3±9.6	NA	89.0±6.5	80.1±8.2	78.0±8.7	NA
Vermont	NA	95.9±4.5	96.5±4.8	NA	NA	93.3±5.7	26.6±9.8	96.5±4.8	92.4±6.5	92.4±6.5	91.4±6.7
Virginia	98.2±2.2	87.7±5.8	91.3±5.0	90.0±5.4	96.9±2.6	92.2±4.8	68.7±8.1	84.1±6.5	82.0±6.7	79.9±6.9	76.2±7.3
Washington	93.9±3.7	82.1±5.5	88.3±4.6	89.2±4.3	92.6±4.1	84.3±5.4	36.4±7.0	82.3±5.4	77.2±5.9	75.4±6.1	66.0±6.8
WA-King County	92.7±5.1	83.0±6.8	85.7±6.6	90.3±5.4	93.0±5.3	84.5±6.4	39.8±8.1	81.9±7.2	77.7±7.5	76.3±7.8	68.6±8.2
WA-Rest of State	94.4±4.9	81.6±7.5	89.5±6.0	88.6±5.8	92.4±5.6	84.3±7.4	34.8±9.6	82.6±7.2	76.9±8.1	74.9±8.3	64.7±9.3
West Virginia	99.5±1.1	84.7±8.1	91.8±6.2	88.7±7.3	99.5±1.1	93.8±5.6	NA	86.4±7.6	82.0±8.4	82.0±8.4	78.0±9.1
Wisconsin	97.8±2.8	87.2±6.8	93.0±5.0	94.1±4.9	95.6±3.8	86.0±6.7	46.8±9.6	90.9±5.7	85.2±7.0	83.0±7.4	75.1±8.4
WI-Milwaukee County	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
WI-Rest of State	97.9±2.9	87.1±7.2	93.3±5.3	94.0±5.2	95.8±4.1	86.0±7.1	NA	91.1±6.0	85.4±7.5	83.3±7.8	75.4±8.9
Wyoming	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

* 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

† Metropolitan Statistical Area as defined by the US Office of Management and Budget

‡ 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