Estimated Vaccination Coverage* with Individual Vaccines and Selected Vaccination Series
Among Children 19-35 Months of Age Whose Providers Participated in the Vaccines for Children (VFC) Program
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	96.3±0.5†††	83.7±0.9	90.1±0.7	92.0±0.7	94.0±0.6	88.9±0.8	57.7±1.2	86.9±0.8	80.6±1.0	79.1±1.0	74.1±1.1
Alabama	95.5±2.6	81.7±5.0	88.3±4.1	90.9±3.7	94.6±2.8	91.5±4.0	72.5±5.9	84.9±4.5	78.9±5.3	77.5±5.4	74.4±5.9
AL-Jefferson County	96.9±2.9	90.0±4.7	92.5±4.0	96.5±2.6	96.6±2.7	92.3±3.6	78.3±6.1	90.7±4.4	87.4±5.0	86.5±5.1	81.4±5.8
AL-Rest of State	95.3±3.0	80.2±5.9	87.6±4.7	89.9±4.4	94.2±3.2	91.4±4.7	71.4±6.9	83.9±5.3	77.4±6.2	75.8±6.4	73.0±6.9
Alaska	97.6±1.7	86.1±4.5	94.2±2.9	94.2±3.2	93.3±3.2	89.8±3.7	33.2±6.2	91.2±3.7	85.3±4.6	82.9±4.9	77.4±5.4
Arizona	92.2±3.3	79.1±4.5	84.5±4.1	89.2±3.6	90.5±3.5	85.6±4.0	60.6±5.1	83.7±4.1	76.5±4.6	74.7±4.7	69.9±4.9
AZ-Maricopa County	91.0±5.0	78.7±6.4	83.1±5.9	88.8±5.3	90.4±5.0	82.3±5.9	62.4±7.2	82.9±5.9	76.8±6.5	75.9±6.5	69.3±6.9
AZ-Rest of State	94.1±3.5	79.8±6.0	86.6±5.0	89.7±4.4	90.5±4.4	90.6±4.2	57.9±6.7	84.9±5.2	76.1±6.2	73.0±6.5	70.9±6.5
Arkansas	95.1±3.8	82.0±6.3	90.7±4.8	87.8±5.4	92.5±4.3	84.1±5.6	57.9±7.1	86.2±5.5	80.2±6.4	78.5±6.5	71.6±6.8
California	96.4±1.9	82.1±4.1	92.7±2.6	94.4±2.5	92.8±2.7	89.1±3.4	68.6±4.8	90.2±3.0	79.7±4.3	76.1±4.5	71.4±4.7
CA-Los Angeles County	94.2±3.8	79.4±6.5	89.1±5.1	93.0±4.2	92.2±4.3	87.7±5.4	74.8±6.7	87.2±5.4	77.2±6.7	75.2±6.8	70.5±7.2
CA-San Diego County	96.8±2.8	83.7±5.8	92.3±4.0	92.8±4.1	94.9±3.8	88.8±5.1	74.0±6.8	87.2±5.2	79.0±6.5	78.1±6.6	73.2±7.1
CA-Santa Clara County	97.7±2.6	89.0±5.0	92.6±4.3	94.8±3.6	93.3±4.3	88.5±5.5	61.2±8.1	90.9±4.7	86.6±5.4	82.2±6.2	74.5±7.2
CA-Rest of State	97.6±2.6	83.0±6.3	95.1±3.5	95.6±3.7	92.8±4.3	90.0±5.3	64.6±7.6	92.4±4.3	80.8±6.6	75.9±7.1	71.5±7.4
Colorado	97.1±2.3	81.8±5.5	90.7±4.0	91.7±4.0	94.5±3.0	88.0±4.7	51.3±7.0	85.7±5.0	78.9±5.8	77.0±6.0	71.1±6.4
Connecticut	NA	94.9±3.4	93.0±4.3	96.8±2.8	97.4±2.8	96.2±2.5	64.2±7.5	91.7±4.6	90.5±4.8	88.5±5.3	86.1±5.6
Delaware	98.6±1.6	83.6±5.0	93.0±3.4	94.4±3.2	97.0±2.3	88.3±4.3	61.6±6.5	89.1±4.3	80.1±5.4	78.9±5.5	69.3±6.2
District of Columbia	94.0±4.3	83.0±5.9	86.9±5.4	91.1±4.2	91.9±4.7	87.0±5.3	79.7±6.1	83.4±5.8	78.3±6.3	77.0±6.4	71.3±6.7
Florida	96.9±2.4	86.5±4.0	92.3±3.2	92.0±3.3	93.1±3.4	93.8±2.6	50.2±5.6	87.6±4.0	82.0±4.6	80.5±4.7	78.5±4.8
FL-Miami-Dade County	97.6±2.3	87.1±4.9	93.2±3.5	96.1±2.8	94.3±3.9	92.3±3.9	47.6±7.3	91.6±3.9	85.7±5.0	82.8±5.6	79.5±6.0
FL-Duval County	96.9±2.0	83.1±5.1	92.6±3.6	90.1±4.2	95.1±3.0	94.2±3.2	48.2±6.8	87.0±4.6	80.2±5.3	78.4±5.6	77.7±5.6
FL-Rest of State	96.7±3.1	86.6±5.1	92.1±4.1	91.3±4.2	92.7±4.3	94.1±3.2	50.9±7.1	86.8±5.2	81.4±5.8	80.2±6.0	78.3±6.1
Georgia	97.3±2.1	85.5±4.3	92.9±3.0	91.9±3.3	95.5±2.3	92.2±3.1	62.1±6.0	89.4±3.6	83.8±4.5	82.9±4.5	79.5±4.8
GA-Fulton/DeKalb Counties	97.4±2.3	87.9±4.9	91.2±4.4	92.4±4.0	92.3±4.0	88.7±5.1	66.3±7.6	88.3±4.8	84.5±5.4	81.2±5.8	75.5±6.6
GA-Rest of State	97.2±2.5	85.0±5.1	93.3±3.5	91.7±3.9	96.3±2.7	93.0±3.6	61.1±7.1	89.7±4.2	83.6±5.3	83.3±5.3	80.4±5.6
Hawaii	96.4±2.6	88.2±4.3	91.7±3.8	94.8±2.9	94.5±3.1	92.6±3.5	63.4±6.6	89.6±4.1	84.2±4.8	83.0±4.9	81.1±5.1
Idaho	93.1±3.3	75.5±5.6	87.9±4.2	86.7±4.4	90.9±3.9	82.0±5.1	15.2±4.5	82.4±4.8	71.2±5.8	70.5±5.9	66.4±6.0
Illinois	95.5±2.6	81.5±4.8	88.5±4.1	91.3±3.4	94.2±3.1	90.1±3.8	41.8±5.9	85.6±4.3	79.2±4.9	78.1±5.0	74.5±5.3
IL-City of Chicago	93.2±4.4	77.7±6.9	89.2±5.1	86.7±6.1	94.0±3.8	89.6±4.9	37.7±8.2	82.8±5.9	74.4±7.1	73.3±7.2	69.8±7.5
IL-Rest of State	96.5±3.2	83.0±6.2	88.2±5.4	93.2±4.1	94.2±4.1	90.3±5.0	43.5±7.6	86.8±5.6	81.3±6.4	80.1±6.5	76.4±6.9
Indiana	96.8±2.4	78.5±5.4	90.4±3.8	89.4±4.2	95.1±2.7	85.3±4.2	45.5±6.5	85.9±4.6	77.4±5.5	76.3±5.5	68.0±5.9
IN-Marion County	97.5±2.5	83.3±6.4	91.1±5.0	90.7±4.6	95.5±3.2	81.0±6.5	51.5±8.5	86.5±5.6	78.4±7.1	78.1±7.1	65.1±8.1
IN-Rest of State	96.7±2.8	77.6±6.3	90.3±4.4	89.1±4.9	95.1±3.2	86.1±4.8	44.4±7.5	85.8±5.4	77.2±6.3	76.0±6.4	68.5±6.8
Iowa	97.5±2.1	86.2±4.6	91.1±3.9	91.2±3.9	95.8±2.6	89.7±3.9	46.6±6.5	87.8±4.4	84.6±4.8	83.3±4.9	78.8±5.3
Kansas	94.3±3.4	84.6±5.6	92.1±3.9	92.9±4.0	89.9±4.5	83.7±5.3	54.0±7.3	89.6±4.6	82.4±5.8	81.2±5.8	72.9±6.4
Kentucky	98.3±1.7	92.9±3.7	91.5±4.1	94.4±3.4	96.5±2.8	95.6±2.9	62.7±7.2	90.9±4.2	90.5±4.3	89.5±4.4	87.8±4.7
Louisiana	96.8±2.1	81.0±5.0	90.3±3.4	89.7±4.1	94.0±3.6	90.0±3.4	63.4±6.0	84.5±4.7	77.5±5.3	77.3±5.3	72.3±5.6
LA-Orleans Parish	96.4±2.6	80.8±5.7	84.3±5.6	85.6±5.2	93.7±3.7	86.7±5.1	55.5±7.6	78.8±6.2	73.0±6.6	71.6±6.7	64.5±7.2
LA-Rest of State	96.9±2.4	81.1±5.6	91.1±3.7	90.2±4.6	94.0±4.0	90.4±3.7	64.5±6.7	85.3±5.3	78.1±5.9	78.1±5.9	73.4±6.2
Maine	98.1±1.7	89.7±4.4	93.2±3.4	93.4±3.5	97.2±2.3	87.7±4.4	44.7±6.9	90.6±4.1	86.1±4.9	85.3±5.1	79.0±5.7
Maryland	97.2±1.9	85.8±4.1	89.6±3.5	96.6±2.0	95.0±2.6	88.5±3.7	73.4±5.3	88.4±3.7	81.9±4.4	80.5±4.6	73.5±5.2
MD-City of Baltimore	94.9±3.7	80.0±6.6	88.0±5.2	95.2±3.4	90.9±4.8	87.2±5.5	80.7±6.7	85.6±5.6	73.5±7.3	71.8±7.4	67.9±7.7
MD-Rest of State	97.6±2.1	86.8±4.6	89.8±4.0	96.8±2.3	95.7±2.9	88.7±4.2	72.2±6.1	88.9±4.2	83.3±5.0	82.0±5.2	74.5±5.9
Massachusetts	99.1±1.2	92.8±3.6	94.9±2.9	96.6±2.4	96.5±3.3	92.9±3.5	68.2±6.6	92.7±3.5	89.3±4.3	86.7±5.1	82.2±5.6
MA-City of Boston	NA	94.7±5.7	94.4±4.2	97.3±2.6	95.9±5.2	89.9±6.6	70.3±9.2	92.7±4.6	88.3±6.9	84.2±8.2	77.1±8.9
MA-Rest of State	99.0±1.4	92.6±3.9	94.9±3.2	96.6±2.6	96.5±3.6	93.2±3.8	68.0±7.2	92.7±3.8	89.3±4.6	86.9±5.5	82.7±6.1
Michigan	95.9±2.5	78.1±5.3	89.2±3.9	91.4±3.7	93.8±3.1	88.2±4.2	44.1±6.2	85.5±4.4	76.0±5.4	75.0±5.5	71.3±5.8
MI-City of Detroit	91.8±4.2	72.7±6.9	80.0±6.3	89.8±4.6	89.3±4.8	84.8±5.7	40.1±7.5	75.8±6.6	67.7±7.3	67.1±7.3	63.6±7.5
MI-Rest of State	96.5±2.8	78.9±6.0	90.6±4.3	91.6±4.2	94.4±3.5	88.7±4.7	44.7±7.0	86.9±4.9	77.2±6.1	76.2±6.2	72.4±6.5
Minnesota	98.9±1.6	89.3±5.7	93.7±4.4	96.1±3.1	98.3±2.1	90.2±4.9	62.8±8.1	91.4±5.0	86.0±6.5	85.5±6.5	77.8±7.4
Mississippi	95.7±3.5	83.4±6.1	89.1±5.1	91.2±4.5	94.8±3.7	92.4±4.1	42.7±7.6	85.8±5.6	80.5±6.4	80.5±6.4	78.2±6.5
Missouri	94.6±3.2	81.3±5.4	85.1±4.9	88.5±4.5	93.3±3.5	85.7±4.9	50.2±6.6	82.2±5.2	76.5±5.8	76.1±5.8	70.0±6.2
Montana	97.6±2.2	87.6±4.4	93.8±3.2	92.9±3.3	95.2±2.8	89.3±4.0	42.1±6.5	90.4±3.9	84.8±4.7	83.6±4.9	77.0±5.5
Nebraska	96.9±2.6	88.4±4.4	92.7±3.5	93.4±3.6	94.0±3.5	93.0±3.6	57.6±7.1	90.2±4.1	86.0±4.7	84.3±5.0	82.1±5.2
Nevada	91.2±4.2	76.4±5.7	85.7±4.9	89.6±4.3	89.2±4.5	84.8±5.1	48.9±6.8	83.2±5.1	73.8±5.8	73.5±5.8	68.5±6.1
New Hampshire	NA	92.9±4.0	95.1±3.2	94.2±3.6	99.6±0.9	92.2±4.1	59.6±7.5	90.6±4.4	87.1±5.1	87.1±5.1	81.5±5.9
New Jersey	98.5±1.5	83.3±6.2	89.5±5.2	92.8±4.6	98.1±1.6	91.1±4.4	58.3±7.4	86.2±5.9	80.7±6.5	80.5±6.5	75.3±6.8
NJ-City of Newark	96.9±3.1	76.7±8.5	85.5±5.5	91.9±3.7	93.9±4.0	91.0±4.7	46.9±8.6	82.2±5.9	72.0±8.6	69.4±8.6	65.8±8.7
NJ-Rest of State	98.7±1.5	83.7±6.5	89.7±5.5	92.8±4.8	98.3±1.6	91.1±4.7	59.0±7.9	86.5±6.3	81.2±6.9	81.2±6.9	75.8±7.3
New Mexico	96.4±2.5	83.0±5.4	88.4±5.2	87.4±5.5	93.2±3.4	87.7±4.4	52.6±7.2	80.9±6.1	75.3±6.6	72.6±6.8	65.5±7.0
New York	98.1±1.4	87.5±3.5	91.2±2.9	94.3±2.5	95.6±2.1	92.1±2.8	60.4±5.3	88.7±3.3	83.3±3.9	81.6±4.1	78.5±4.3
NY-City of New York	97.5±2.5	83.8±5.8	90.1±4.6	94.3±3.8	94.1±3.5	89.5±4.8	60.6±7.5	87.8±5.1	81.2±6.1	78.6±6.3	74.2±6.7
NY-Rest of State	98.7±1.5	91.1±4.0	92.2±3.7	94.3±3.3	97.1±2.4	94.6±3.1	60.2±7.5	89.6±4.3	85.3±5.0	84.5±5.1	82.5±5.4
North Carolina	97.3±2.4	87.7±4.8	88.8±4.7	93.4±3.6	97.3±2.4	90.9±4.1	60.1±6.8	87.3±4.9	84.5±5.2	84.5±5.2	79.8±5.7
North Dakota	96.5±2.5	88.9±4.1	90.5±3.9	91.6±3.6	93.4±3.3	90.6±3.9	46.5±6.3	86.3±4.4	83.6±4.7	80.7±5.1	76.1±5.5
Ohio	95.6±2.6	79.7±4.9	88.0±3.9	89.4±3.9	94.4±2.7	85.3±4.3	53.2±6.1	83.4±4.5	77.2±5.0	76.6±5.1	71.0±5.4
OH-Cuyahoga County	93.9±4.1	75.5±7.4	84.7±6.3	90.8±5.2	90.8±5.0	89.5±4.9	56.5±7.9	81.2±6.8	70.2±7.8	69.5±7.9	64.6±8.0
OH-Franklin County	97.1±2.5	81.3±6.3	89.1±4.9	94.1±3.8	92.2±4.2	81.3±6.3	68.1±7.1	87.4±5.1	76.5±6.7	74.7±6.8	64.1±7.9
OH-Rest of State	95.6±3.2	80.2±6.0	88.4±4.8	88.6±4.9	95.2±3.3	85.2±5.4	50.9±7.6	83.2±5.6	78.3±6.2	77.8±6.3	72.9±6.7
Oklahoma	97.8±2.3	81.5±5.7	90.5±4.3	90.6±4.4	92.9±3.9	91.1±4.1	67.7±6.7	85.4±5.1	76.5±6.1	75.2±6.2	73.4±6.3
Oregon	89.7±5.0	78.7±6.6	80.3±6.0	86.1±5.5	87.5±5.3	80.4±6.0	57.9±7.3	75.9±6.6	71.5±7.0	70.4±7.0	62.0±7.2
Pennsylvania	99.0±1.1	90.9±3.4	92.9±3.1	96.2±2.3	98.4±1.2	92.0±3.6	69.0±5.9	91.9±3.3	87.8±3.8	87.3±3.9	82.0±4.8
PA-Philadelphia County	98.3±2.0	84.6±5.3	89.4±4.5	95.1±3.4	95.5±2.9	85.9±5.2	74.1±6.3	86.6±5.1	80.1±5.8	78.1±6.0	69.5±6.6
PA-Rest of State	99.1±1.3	92.0±3.9	93.6±3.6	96.3±2.6	98.9±1.3	93.0±4.1	68.1±6.9	92.9±3.7	89.1±4.4	88.9±4.4	84.3±5.5
Rhode Island	NA	94.1±4.0	95.7±3.5	97.0±3.5	98.0±3.2	93.9±4.2	76.7±7.3	94.0±4.2	91.0±4.9	89.1±5.6	84.7±6.3
South Carolina	96.2±3.0	83.8±5.0	89.3±4.2	89.8±4.1	95.0±3.3	91.7±3.9	65.6±6.2	84.6±4.8	81.5±5.2	80.9±5.2	78.2±5.5
South Dakota	97.8±2.1	86.2±4.9	93.1±4.1	93.4±3.2	95.1±3.4	91.4±4.2	16.6±5.4	88.7±4.7	83.9±5.2	81.6±5.6	76.8±6.1
Tennessee	95.5±2.3	83.3±4.0	85.9±3.8	90.7±3.1	92.9±2.7	88.0±3.3	58.3±5.0	84.1±3.9	80.5±4.2	79.1±4.3	72.6±4.6
TN-Davidson County	94.6±3.4	82.7±5.4	86.7±4.8	87.9±4.6	90.2±4.4	79.9±5.5	57.8±6.7	80.2±5.6	76.7±6.0	74.1±6.2	63.6±6.6
TN-Shelby County	96.9±2.8	84.6±5.8	88.6±5.1	89.2±5.1	92.8±4.1	90.4±4.6	50.0±7.9	85.1±5.7	80.0±6.4	77.8±6.6	73.7±6.9
TN-Rest of State	95.3±3.1	83.1±5.4	85.1±5.1	91.5±4.1	93.4±3.6	88.8±4.4	60.4±6.7	84.6±5.2	81.2±5.6	80.3±5.7	73.8±6.2
Texas	92.1±2.9	76.7±4.1	85.2±3.5	87.4±3.4	87.9±3.4	81.5±3.8	58.8±4.6	81.5±3.8	74.5±4.2	71.9±4.3	64.1±4.6
TX-Bexar County	94.3±3.4	73.9±6.5	89.1±4.4	90.8±4.3	92.4±4.1	90.4±4.2	66.3±6.8	87.0±4.8	72.2±6.6	72.2±6.6	69.5±6.7
TX-City of Houston	90.0±4.4	72.2±7.3	80.8±6.0	86.6±5.1	84.1±6.3	75.2±7.5	61.1±7.9	73.5±6.9	66.9±7.6	62.9±7.9	54.6±8.2
TX-Dallas County	93.6±4.9	75.1±8.3	83.2±7.2	84.8±7.0	87.2±6.5	81.6±7.2	53.9±9.3	79.1±7.9	72.9±8.5	68.9±8.8	61.8±9.1
TX-El Paso County	93.6±3.3	79.7±5.0	90.6±3.8	89.6±4.0	90.2±4.2	80.1±5.1	71.8±5.5	86.1±4.4	78.2±5.1	75.7±5.4	66.0±5.8
TX-Rest of State	91.9±4.2	78.0±6.0	85.6±5.2	87.3±5.0	88.0±4.9	81.8±5.6	57.2±6.7	82.4±5.6	76.3±6.1	73.8±6.3	65.6±6.6
Utah	95.0±3.0	88.0±4.3	93.0±3.4	96.6±2.4	92.7±3.8	79.4±5.7	41.6±6.9	92.4±3.5	86.7±4.5	84.9±5.0	72.2±6.3
Vermont	99.4±1.2	95.0±3.5	90.6±4.9	99.2±1.2	99.5±1.0	89.7±5.1	49.2±8.8	89.7±5.1	89.4±5.1	88.9±5.2	82.4±6.4
Virginia	98.8±1.4	89.4±4.7	90.7±4.5	91.8±4.4	97.0±2.3	90.2±4.8	64.7±7.4	86.2±5.4	84.0±5.6	82.8±5.8	76.3±6.6
Washington	96.0±2.5	82.4±4.5	89.8±3.6	90.7±3.3	94.6±2.9	87.2±3.9	32.6±5.5	85.4±4.1	78.3±4.8	76.6±5.0	69.3±5.4
WA-King County	94.1±4.3	84.7±6.2	86.8±6.1	90.4±5.1	93.9±4.5	83.8±6.2	40.7±8.0	83.3±6.6	80.6±6.9	78.9±7.1	71.4±7.7
WA-Rest of State	96.6±3.0	81.6±5.7	90.8±4.3	90.8±4.1	94.8±3.5	88.4±4.8	29.9±6.8	86.1±4.9	77.5±6.0	75.8±6.2	68.6±6.7
West Virginia	99.0±1.0	84.2±4.8	91.6±3.5	93.0±3.3	97.3±1.9	91.8±3.6	52.3±6.4	88.5±4.0	80.5±5.1	79.3±5.2	75.7±5.5
Wisconsin	98.4±1.4	87.4±3.9	92.7±3.2	93.7±3.0	96.9±1.9	91.0±3.3	51.8±5.9	90.2±3.6	85.7±4.1	85.3±4.1	79.7±4.6
WI-Milwaukee County	96.3±3.9	78.9±7.5	91.0±5.2	93.6±4.5	91.5±5.8	82.4±7.4	53.7±9.0	87.5±6.0	76.3±7.7	74.3±7.9	63.6±8.6
WI-Rest of State	98.9±1.5	89.7±4.5	93.1±3.8	93.7±3.6	98.4±1.8	93.3±3.7	51.3±7.1	90.9±4.3	88.3±4.8	88.3±4.8	84.1±5.4
Wyoming	97.9±2.2	88.1±4.5	94.6±3.1	93.2±3.2	95.9±2.8	94.9±2.9	46.9±6.2	90.7±3.8	85.1±4.8	84.4±4.8	83.0±4.9

* 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, and one or more doses of MCV

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

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

*** Four or more doses of DTP, three or more doses of poliovirus, one or more dose of MCV, three or more doses of Hib, and three or more doses of HepB

††† % ± 95% Confidence Interval