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, Q1/1997-Q4/1997†

	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	95.7±0.5†††	81.6±1.0	91.2±0.7	90.8±0.8	92.8±0.7	84.7±0.9	24.8±1.1	NA	78.2±1.1	76.4±1.1	69.1±1.2
Alabama	98.4±1.7	90.1±3.6	96.2±1.8	94.5±2.8	97.3±1.9	89.0±3.6	25.3±5.7	NA	88.0±3.9	87.4±3.9	78.3±4.9
AL-Jefferson County	97.9±1.8	87.5±4.6	94.5±3.1	95.3±3.1	96.5±2.4	91.3±3.8	27.6±6.2	NA	85.5±4.9	84.0±5.1	78.3±5.7
AL-Rest of State	98.5±1.9	90.6±4.2	96.5±2.0	94.4±3.3	97.5±2.2	88.6±4.2	24.8±6.6	NA	88.5±4.5	88.1±4.5	78.3±5.7
Alaska	93.4±3.9	81.6±6.1	92.4±4.0	86.8±5.3	90.2±4.4	87.5±4.8	13.6±5.1	NA	79.4±6.3	77.8±6.4	71.5±6.8
Arizona	93.0±2.7	78.3±4.6	87.2±3.7	89.1±3.4	91.0±3.0	78.5±4.5	27.3±4.8	NA	72.4±5.0	70.6±5.0	61.3±5.3
AZ-Maricopa County	93.1±3.8	78.2±6.5	86.2±5.4	90.0±4.6	91.0±4.1	77.9±6.3	29.0±7.0	NA	71.5±7.0	69.9±7.1	59.1±7.5
AZ-Rest of State	93.0±3.8	78.5±6.3	88.6±4.6	87.6±4.9	91.0±4.2	79.4±6.1	24.8±5.9	NA	73.8±6.6	71.8±6.7	64.5±7.1
Arkansas	94.6±2.9	82.9±4.9	92.1±3.6	93.7±2.9	93.7±3.3	90.2±4.1	14.5±4.6	NA	80.4±5.2	80.4±5.2	76.1±5.7
California	96.2±1.8	78.8±4.4	91.7±2.6	89.7±3.4	92.3±2.7	82.2±4.1	30.4±4.6	NA	75.9±4.5	73.7±4.7	66.4±5.0
CA-Los Angeles County	95.1±3.6	77.2±7.0	92.4±4.2	91.6±4.8	92.5±4.6	83.5±6.4	34.2±8.0	NA	74.8±7.4	72.1±7.6	65.2±8.1
CA-San Diego County	96.0±3.2	84.8±5.4	90.6±4.5	96.9±2.4	93.7±4.0	85.3±5.1	31.4±6.7	NA	81.8±5.7	79.9±6.1	72.2±6.6
CA-Santa Clara County	96.3±4.0	81.0±8.0	88.4±6.3	89.8±5.3	90.5±5.7	86.0±6.2	37.2±8.4	NA	70.0±8.8	66.0±9.0	59.7±9.0
CA-Rest of State	97.0±2.2	78.7±6.8	91.6±3.9	87.2±5.5	92.0±4.0	80.6±6.5	27.0±6.9	NA	76.2±7.0	74.3±7.2	66.9±7.7
Colorado	94.7±3.4	81.8±5.5	90.0±4.4	95.2±3.4	90.9±4.4	81.5±5.6	22.3±5.8	NA	77.9±6.0	75.7±6.3	64.7±6.8
Connecticut	98.3±1.6	94.0±3.4	94.4±2.9	94.3±3.2	95.2±3.0	87.0±4.8	27.1±6.6	NA	89.9±4.2	87.7±4.6	77.1±5.9
Delaware	97.8±2.0	84.2±5.4	95.5±2.6	90.2±4.2	95.2±3.0	83.1±5.0	31.0±6.6	NA	81.7±5.6	79.6±5.9	68.7±6.5
District of Columbia	93.3±4.7	77.7±8.2	86.4±5.6	88.9±5.5	88.7±5.4	79.9±6.5	28.6±7.4	NA	71.1±8.4	68.9±8.4	62.6±8.6
Florida	96.1±2.7	81.6±4.6	92.0±3.2	90.5±3.6	92.0±3.9	85.7±4.3	26.1±4.8	NA	79.4±4.7	76.3±5.1	68.7±5.5
FL-Miami-Dade County	96.7±3.4	80.6±6.5	89.9±5.0	88.2±6.0	95.4±3.6	84.0±6.1	20.8±6.0	NA	76.6±7.3	76.2±7.3	67.7±7.8
FL-Duval County	94.3±4.4	71.0±8.3	86.8±5.8	84.4±7.1	92.2±5.0	89.4±5.4	32.6±7.0	NA	66.4±8.3	66.4±8.3	63.0±8.4
FL-Rest of State	96.1±3.4	82.5±5.8	92.8±4.0	91.4±4.4	91.2±4.9	85.8±5.4	26.9±6.1	NA	80.8±5.9	77.0±6.4	69.3±6.8
Georgia	98.9±1.1	84.7±4.2	94.1±2.7	91.1±3.4	96.8±1.7	88.8±3.7	24.0±4.8	NA	80.5±4.6	78.8±4.6	73.4±5.1
GA-Fulton/DeKalb Counties	98.1±1.7	84.9±5.5	90.1±4.6	92.1±4.2	93.5±4.1	82.6±6.3	38.4±7.5	NA	77.8±6.5	74.1±7.0	67.4±7.4
GA-Rest of State	99.1±1.3	84.7±4.9	94.8±3.1	90.9±4.0	97.5±1.9	90.1±4.3	21.2±5.5	NA	81.0±5.3	79.8±5.4	74.6±5.9
Hawaii	96.0±2.7	85.0±5.7	92.1±4.3	91.8±4.7	94.1±3.4	90.4±4.2	34.1±6.9	NA	82.3±6.0	80.8±6.2	76.0±6.5
Idaho	92.0±3.4	74.6±5.5	89.2±3.9	88.8±4.1	88.7±4.0	81.5±4.6	6.8±2.9	NA	72.5±5.6	71.1±5.7	64.4±5.9
Illinois	94.2±3.0	81.9±4.9	88.7±4.1	88.5±3.9	91.9±3.3	84.0±4.3	19.4±4.8	NA	75.8±5.5	74.5±5.6	68.6±5.8
IL-City of Chicago	91.4±6.0	72.5±8.1	86.1±6.4	84.0±6.7	87.4±6.4	78.2±7.4	14.9±5.7	NA	67.3±8.2	65.6±8.3	61.0±8.4
IL-Rest of State	95.4±3.5	85.9±6.0	89.9±5.1	90.5±4.8	93.9±3.8	86.5±5.2	21.3±6.5	NA	79.5±7.1	78.4±7.1	71.9±7.5
Indiana	94.0±3.4	77.9±5.9	89.7±4.5	89.2±4.4	91.4±4.0	82.4±5.3	10.2±3.7	NA	75.1±6.1	74.5±6.1	66.0±6.6
IN-Marion County	97.5±3.0	85.5±6.6	91.6±5.1	95.1±3.8	94.8±3.8	79.4±8.2	21.3±9.6	NA	81.3±7.2	80.4±7.3	67.1±9.2
IN-Rest of State	93.2±4.1	76.3±7.0	89.3±5.3	88.0±5.3	90.7±4.8	83.1±6.1	7.8±3.9	NA	73.8±7.2	73.2±7.3	65.8±7.8
Iowa	96.7±2.3	84.0±4.6	89.8±4.0	90.6±3.6	96.2±2.4	89.2±3.9	19.0±4.8	NA	77.8±5.2	77.3±5.2	72.0±5.5
Kansas	95.2±3.1	85.5±5.5	92.0±4.5	93.5±4.2	93.9±3.5	86.1±5.5	22.1±6.5	NA	83.9±6.0	83.9±6.0	75.2±7.0
Kentucky	96.2±2.7	82.7±5.5	95.0±3.0	89.1±4.7	93.8±3.8	83.8±5.6	28.4±6.4	NA	80.7±5.7	78.3±6.1	69.9±6.7
Louisiana	97.7±1.9	84.6±4.7	93.0±3.4	90.2±3.9	95.3±2.6	88.3±4.4	15.8±4.6	NA	79.9±5.3	79.1±5.3	72.8±5.9
LA-Orleans Parish	91.4±5.1	76.4±7.6	82.1±6.9	85.4±6.6	84.9±6.2	76.9±7.4	16.0±6.9	NA	73.5±7.8	70.7±7.9	60.5±8.4
LA-Rest of State	98.6±2.0	85.8±5.3	94.6±3.7	90.9±4.3	96.8±2.8	90.0±4.9	15.8±5.2	NA	80.8±5.9	80.3±6.0	74.6±6.7
Maine	99.2±1.1	92.8±3.4	96.2±2.3	95.7±2.6	97.1±2.3	88.7±4.1	13.1±4.6	NA	89.2±4.0	87.0±4.4	80.1±5.2
Maryland	98.4±1.5	86.6±4.5	92.8±3.2	94.9±3.0	94.9±2.5	87.2±4.1	38.0±5.9	NA	81.8±5.0	79.2±5.1	72.0±5.5
MD-City of Baltimore	98.7±1.7	90.6±4.8	93.3±4.3	94.8±3.7	95.8±2.8	86.6±6.0	21.4±6.2	NA	86.2±5.6	83.8±5.8	74.4±7.2
MD-Rest of State	98.4±1.8	85.8±5.3	92.8±3.7	95.0±3.5	94.7±2.9	87.3±4.7	41.2±6.9	NA	81.0±5.9	78.2±6.0	71.6±6.5
Massachusetts	98.6±1.8	95.0±2.9	95.1±3.0	95.1±3.2	96.4±2.7	91.0±4.0	24.9±5.9	NA	90.0±4.1	88.4±4.3	82.0±5.2
MA-City of Boston	98.4±2.2	92.4±4.1	97.6±2.7	95.1±3.5	96.5±3.1	93.4±4.1	18.8±6.3	NA	89.5±4.8	87.6±5.1	83.7±5.8
MA-Rest of State	98.6±2.0	95.3±3.2	94.9±3.2	95.1±3.5	96.3±3.0	90.7±4.4	25.6±6.4	NA	90.0±4.5	88.5±4.7	81.9±5.7
Michigan	94.6±2.5	81.3±4.7	91.0±3.3	92.7±2.9	91.9±3.1	87.1±3.8	14.0±4.4	NA	79.0±4.9	77.3±5.0	72.7±5.3
MI-City of Detroit	86.6±6.5	67.3±8.3	78.1±7.5	79.9±7.2	79.6±7.6	75.3±8.2	10.6±5.1	NA	63.6±8.5	59.6±8.6	53.5±8.7
MI-Rest of State	95.8±2.7	83.4±5.2	92.8±3.6	94.6±3.1	93.7±3.4	88.8±4.2	14.4±5.0	NA	81.3±5.4	79.9±5.5	75.5±5.8
Minnesota	93.8±4.2	79.8±6.6	90.7±4.7	91.5±4.5	90.7±4.8	75.9±6.8	39.8±7.1	NA	78.2±6.6	75.8±6.8	64.4±7.3
Mississippi	97.5±2.1	86.9±4.7	94.4±3.3	92.6±3.8	95.3±2.8	86.1±5.1	10.4±4.3	NA	85.3±5.0	83.9±5.1	72.8±6.4
Missouri	96.4±2.8	82.9±5.5	91.3±4.2	89.9±4.4	96.0±2.9	83.8±5.3	24.0±6.1	NA	80.3±5.7	80.0±5.7	69.9±6.5
Montana	95.3±2.8	81.1±5.0	91.5±3.6	86.8±4.4	91.8±3.6	80.3±5.0	19.9±4.7	NA	76.9±5.3	75.7±5.4	65.6±5.9
Nebraska	95.7±2.9	78.4±5.5	90.0±4.2	89.6±4.3	93.8±3.5	86.8±4.3	23.7±5.4	NA	75.6±5.6	74.3±5.7	67.4±6.0
Nevada	91.9±4.0	76.6±6.2	87.8±4.9	88.4±4.7	88.5±4.9	87.4±4.7	9.2±4.1	NA	71.2±6.6	69.4±6.7	65.5±6.9
New Hampshire	99.7±0.6	91.0±4.3	94.8±3.1	94.6±3.2	97.6±2.0	89.2±4.2	31.1±6.3	NA	86.0±5.0	84.6±5.1	76.5±5.9
New Jersey	98.6±1.9	74.4±9.2	93.4±4.2	94.8±3.9	90.0±5.4	93.8±4.1	28.4±9.1	NA	71.1±9.5	66.9±9.8	NA
NJ-City of Newark	94.1±4.6	75.3±9.3	80.3±8.8	87.5±6.2	85.1±8.5	82.0±8.3	17.4±7.0	NA	71.5±9.7	NA	NA
NJ-Rest of State	99.0±2.0	74.3±9.9	94.5±4.4	95.4±4.2	90.4±5.8	94.7±4.4	29.3±9.8	NA	NA	NA	NA
New Mexico	95.6±3.8	81.8±5.8	89.3±4.9	87.3±5.3	91.6±4.6	84.4±5.6	19.3±6.1	NA	76.8±6.3	73.6±6.5	68.1±6.8
New York	97.4±2.3	83.6±4.6	90.8±3.6	93.3±3.2	93.1±3.3	89.9±3.6	24.3±4.7	NA	79.4±4.8	76.6±5.0	71.1±5.2
NY-City of New York	96.9±4.4	83.8±7.5	90.3±5.8	94.0±5.1	91.5±5.8	87.4±6.5	17.5±6.8	NA	79.4±7.7	75.3±8.0	68.5±8.5
NY-Rest of State	97.8±2.3	83.4±5.7	91.2±4.5	92.8±4.2	94.2±3.8	91.7±3.9	29.3±6.5	NA	79.4±6.1	77.6±6.2	73.1±6.5
North Carolina	98.5±2.1	84.2±5.4	95.9±2.8	94.5±3.0	95.0±3.8	92.9±3.8	30.4±6.1	NA	80.3±5.7	79.2±5.8	76.6±6.0
North Dakota	99.1±1.0	88.2±4.2	93.2±3.5	92.1±3.3	96.7±2.2	90.0±3.8	25.6±5.7	NA	82.3±5.1	81.2±5.2	75.7±5.6
Ohio	96.6±2.2	79.0±5.0	89.8±4.0	90.0±3.7	92.9±3.2	82.6±4.8	20.4±4.5	NA	74.7±5.3	71.9±5.5	63.3±5.7
OH-Cuyahoga County	98.6±1.6	79.9±7.6	92.5±5.7	93.9±4.2	95.2±3.7	90.6±4.9	23.2±7.3	NA	73.5±8.6	70.8±8.7	67.0±8.8
OH-Franklin County	95.6±3.6	75.6±7.3	86.0±6.0	90.9±4.8	94.5±3.9	71.3±8.5	26.2±7.2	NA	70.9±7.8	69.8±7.9	53.4±8.8
OH-Rest of State	96.4±2.7	79.3±6.2	89.8±4.9	89.3±4.5	92.3±4.0	82.7±6.0	19.3±5.6	NA	75.3±6.5	72.3±6.8	63.9±7.1
Oklahoma	94.1±3.5	75.4±6.7	90.6±4.4	86.9±5.3	92.3±3.9	86.1±4.8	22.0±5.7	NA	71.8±6.9	70.9±7.0	66.8±7.1
Oregon	95.4±2.7	78.8±5.6	88.7±4.4	88.5±4.7	92.9±3.3	82.7±4.9	29.5±5.8	NA	73.5±5.9	72.4±6.0	63.4±6.3
Pennsylvania	95.5±2.9	84.5±4.4	88.5±4.0	92.5±3.2	92.6±3.5	84.4±4.4	42.4±6.0	NA	81.9±4.7	80.1±4.9	70.6±5.4
PA-Philadelphia County	94.6±3.5	84.3±5.6	91.1±4.3	93.7±3.6	93.9±3.6	84.3±5.7	37.7±7.7	NA	82.3±5.8	81.9±5.9	71.7±7.0
PA-Rest of State	95.7±3.3	84.6±5.2	88.0±4.7	92.3±3.7	92.4±4.1	84.5±5.1	43.3±7.0	NA	81.9±5.5	79.8±5.7	70.4±6.3
Rhode Island	NA	92.7±3.5	96.9±2.5	97.4±2.1	96.3±2.6	87.3±4.8	38.2±6.7	NA	88.6±4.7	85.0±5.2	75.2±6.2
South Carolina	97.3±2.1	84.6±4.8	93.4±3.0	92.4±3.6	96.5±2.3	88.5±4.5	25.9±5.7	NA	82.6±5.0	81.5±5.1	75.0±5.8
South Dakota	94.3±4.0	77.7±6.5	89.8±4.9	89.8±4.9	92.7±4.3	80.8±5.9	NA	NA	75.4±6.7	73.7±6.8	65.6±7.1
Tennessee	96.1±2.3	84.2±4.1	91.7±2.8	91.5±3.1	95.6±2.2	86.6±3.6	23.3±4.3	NA	80.0±4.4	79.8±4.4	72.7±4.8
TN-Davidson County	96.7±2.8	83.7±5.8	90.6±4.4	89.4±5.0	94.8±3.5	78.7±6.2	32.5±7.4	NA	77.3±6.4	77.3±6.4	64.8±7.3
TN-Shelby County	95.5±3.3	81.3±6.4	87.6±5.5	89.2±4.9	93.1±3.9	88.2±5.1	23.0±6.2	NA	74.7±7.2	73.9±7.2	70.8±7.4
TN-Rest of State	96.2±3.1	85.2±5.7	93.2±3.7	92.5±4.2	96.5±3.0	87.4±4.9	21.8±5.9	NA	82.0±6.0	82.0±6.0	74.6±6.6
Texas	91.0±2.8	76.5±4.2	87.8±3.3	87.4±3.4	88.8±3.1	78.0±4.5	21.6±4.5	NA	73.8±4.3	73.2±4.3	63.9±5.0
TX-Bexar County	94.0±3.7	82.3±6.2	93.2±4.0	90.8±5.0	92.5±4.1	87.3±5.7	23.1±7.6	NA	79.3±6.7	77.9±6.8	71.0±7.4
TX-City of Houston	85.8±6.7	63.9±8.5	81.1±7.0	85.3±6.3	82.4±7.1	68.6±8.3	17.5±6.4	NA	62.4±8.5	61.1±8.5	49.7±8.6
TX-Dallas County	95.7±3.6	77.6±7.0	90.6±5.4	87.6±5.5	90.5±5.1	81.9±6.8	22.1±7.6	NA	76.1±7.2	73.2±7.5	65.6±8.1
TX-El Paso County	88.3±4.8	69.5±6.5	85.7±5.2	83.9±5.3	86.1±5.1	72.7±6.4	17.6±4.9	NA	66.0±6.7	64.4±6.8	55.5±6.8
TX-Rest of State	91.3±4.1	78.7±6.0	88.3±4.8	87.6±4.9	89.7±4.4	78.6±6.6	22.5±6.6	NA	75.7±6.2	75.7±6.2	66.3±7.3
Utah	92.9±3.4	74.4±5.7	88.8±4.2	86.8±4.6	89.9±4.1	74.0±5.8	14.0±4.5	NA	71.1±5.9	69.0±6.1	55.9±6.5
Vermont	NA	92.8±4.0	96.2±3.0	95.6±3.1	97.5±2.2	85.9±5.1	21.6±6.1	NA	89.3±4.8	87.3±5.1	79.5±6.0
Virginia	92.6±4.2	75.1±6.4	89.2±4.6	89.0±4.5	90.4±4.6	84.0±5.5	30.2±6.4	NA	72.7±6.5	71.2±6.6	66.7±6.8
Washington	97.0±2.1	82.6±4.8	92.6±3.2	90.4±3.5	94.0±3.1	80.1±5.1	11.1±3.9	NA	78.6±5.1	77.6±5.2	66.9±5.9
WA-King County	95.3±4.2	82.9±7.7	91.2±5.4	90.8±5.3	93.0±5.4	81.6±7.2	15.9±6.9	NA	81.3±7.9	80.8±7.9	71.2±8.8
WA-Rest of State	97.5±2.4	82.5±5.8	92.9±3.8	90.2±4.3	94.2±3.7	79.7±6.2	9.8±4.6	NA	77.9±6.2	76.7±6.3	65.7±7.2
West Virginia	98.6±1.4	86.7±4.6	95.2±2.8	91.0±3.8	97.2±2.0	87.4±4.1	20.7±5.3	NA	82.2±5.1	81.1±5.2	74.7±5.7
Wisconsin	96.5±1.9	87.1±3.6	93.7±2.5	91.9±3.3	94.9±2.2	85.2±4.0	20.5±4.3	NA	84.1±4.0	82.7±4.1	74.2±4.8
WI-Milwaukee County	93.5±3.9	76.7±6.7	90.5±4.4	94.4±3.6	88.9±4.9	77.1±6.8	23.1±6.6	NA	74.6±6.9	71.3±7.2	59.7±7.8
WI-Rest of State	97.3±2.2	89.8±4.2	94.5±2.9	91.3±4.0	96.5±2.5	87.3±4.7	19.9±5.2	NA	86.6±4.7	85.7±4.8	78.0±5.6
Wyoming	93.6±3.7	80.2±5.2	90.3±4.1	86.2±4.6	92.0±4.0	84.4±4.8	10.9±3.9	NA	76.3±5.5	75.4±5.6	69.4±5.8

* 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 Q1/1997-Q4/1997 National Immunization Survey were born between February 1994 and May 1996.

‡ 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