Estimated Vaccination Coverage* with Individual Vaccines and Selected Vaccination Series Before 24 Months of Age by State and Local Area

US, National Immunization SurveyQ1/2012-Q4/2012[†]

	3+DTaP[¥]	4+DTaP[‡]	3+Polio[§]	1+MMR[‖]	Hib-PS[¶]	Hib-FS**	3+HepB[††]	1+Var[§§]	3+PCV[‖‖]	4+PCV[¶¶]	1+ HepA***	2+HepA[†††]	Rotavirus[‡‡‡]	4:3:1[§§§]	(4:3:1:3*)[‖‖‖]	4:3:1:3*:3[¶¶¶]	4:3:1:3*:3:1****
US National	93.8±0.7	78.7±1.3	91.9±0.8	89.3±0.9	92.7±0.8	78.4±1.2	88.8±0.9	88.8±0.9	91.8±0.8	79.5±1.2	78.0±1.2	34.0±1.4	68.6±1.4	76.4±1.3	72.3±1.3	69.5±1.4	68.1±1.4
Alabama	95.4±2.5	80.2±6.4	93.7±3.0	92.2±3.6	94.7±3.5	78.3±6.6	90.2±3.9	92.8±3.3	95.1±2.6	86.4±5.5	80.2±6.0	28.7±6.4	66.0±7.4	78.7±6.6	73.9±6.9	69.4±7.1	68.6±7.1
Alaska	90.6±4.4	72.3±6.3	89.8±4.6	83.5±5.3	90.4±4.5	74.4±6.2	89.6±4.6	81.7±5.4	89.8±4.5	73.1±6.3	79.9±5.7	25.4±6.0	60.3±6.8	70.9±6.3	62.3±6.8	62.3±6.8	61.1±6.8
Arizona	95.6±2.7	80.2±5.9	91.9±4.2	87.8±5.0	96.0±2.6	76.4±6.6	90.5±4.1	85.1±5.9	94.5±3.0	81.8±5.9	84.0±5.4	31.0±6.8	71.6±6.7	75.7±6.4	70.7±7.0	68.1±7.4	66.5±7.4
Arkansas	93.0±4.4	75.0±6.9	92.2±4.4	89.9±4.7	90.8±4.8	74.5±7.1	89.0±4.8	90.3±4.6	90.1±5.0	76.1±7.1	67.1±7.4	26.0±6.8	56.3±8.0	74.6±7.0	70.9±7.3	66.2±7.5	65.5±7.5
California	92.6±4.0	80.1±6.7	91.0±4.0	90.5±4.4	92.7±3.8	80.5±5.9	87.9±4.4	90.4±4.4	91.7±4.0	79.6±5.9	83.5±5.8	37.9±7.6	71.0±6.8	77.3±6.8	73.6±7.0	71.1±7.1	69.4±7.2
Colorado	94.2±3.6	77.0±7.4	92.1±4.1	91.0±4.6	93.1±3.9	84.1±6.0	88.5±5.3	88.4±5.0	90.4±5.4	82.8±6.7	81.4±6.2	33.3±8.4	73.5±7.7	74.0±7.6	70.2±8.0	69.2±8.1	67.8±8.1
Connecticut	96.7±2.7	90.4±4.0	95.1±3.1	94.2±2.9	96.0±2.8	87.1±4.8	91.1±4.3	92.9±3.2	94.8±3.1	90.4±3.8	90.0±3.7	40.9±6.7	72.1±6.4	87.0±4.4	82.1±5.4	77.7±5.9	75.3±6.0
Delaware	97.4±2.6	87.5±5.1	95.5±3.5	89.9±4.8	96.1±3.4	86.5±5.4	88.2±4.7	91.7±4.3	94.5±3.8	85.5±5.6	88.1±4.8	49.8±7.6	76.5±6.5	83.6±5.7	79.7±6.2	72.5±6.7	72.1±6.8
Dist. of Columbia	96.6±2.2	84.1±5.3	95.2±2.5	92.8±3.7	96.3±2.2	83.0±5.4	92.2±3.5	92.6±3.5	94.8±2.7	78.1±6.1	87.8±4.8	34.6±6.6	54.2±6.8	82.6±5.4	78.7±5.8	76.6±6.0	75.8±6.0
Florida	97.1±2.5	79.5±6.9	94.8±3.6	90.1±4.9	93.5±4.1	79.5±6.7	92.6±4.3	93.3±4.0	92.1±4.5	77.7±6.9	74.2±7.3	31.2±7.4	66.0±7.9	76.6±7.1	72.5±7.3	70.6±7.5	70.6±7.5
Georgia	94.9±3.5	81.8±6.1	94.6±3.5	91.6±4.3	94.2±3.6	83.2±5.8	96.0±3.1	92.0±4.2	93.8±3.5	83.4±5.9	89.1±5.0	46.5±7.9	71.8±7.2	80.9±6.2	77.6±6.4	76.0±6.7	75.3±6.7
Hawaii	97.3±1.8	84.4±5.3	95.8±2.4	93.5±3.1	96.6±2.2	83.6±5.3	92.5±3.6	93.3±3.3	96.0±2.2	83.8±5.5	79.4±5.7	38.0±7.1	70.6±6.5	83.3±5.4	80.6±5.6	79.5±5.7	79.4±5.7
Idaho	92.5±3.9	74.2±6.8	92.2±3.9	91.5±4.1	92.6±3.9	75.1±7.6	87.2±5.0	88.0±4.7	91.2±4.3	83.0±6.0	85.4±5.3	35.6±8.2	68.2±7.2	73.0±6.9	67.2±8.0	64.5±8.1	61.8±8.1
Illinois	94.5±2.2	82.0±4.0	93.0±2.5	90.8±2.8	93.3±2.6	77.4±4.5	89.1±3.1	89.6±3.0	92.3±2.6	78.5±4.4	75.8±4.4	29.9±5.1	67.2±5.2	79.9±4.1	73.1±4.7	69.7±4.9	68.8±4.9
IL-City of Chicago	90.5±5.3	74.8±8.2	89.3±5.4	86.3±6.1	90.5±5.3	72.4±8.3	82.7±6.9	81.9±7.3	86.3±6.3	75.0±7.9	80.2±6.8	31.5±8.3	69.5±8.7	71.9±8.4	67.4±8.6	62.8±8.8	61.2±8.8
IL-Rest of State	96.0±2.3	84.5±4.4	94.3±2.8	92.4±3.1	94.3±3.0	79.1±5.4	91.3±3.3	92.2±3.1	94.3±2.7	79.7±5.3	74.2±5.5	29.3±6.2	66.4±6.3	82.7±4.6	75.1±5.6	72.1±5.8	71.5±5.8
Indiana	90.1±4.8	72.1±7.1	88.8±4.9	88.1±4.8	89.1±5.0	72.7±6.9	88.3±4.7	85.8±5.3	88.2±5.2	70.7±6.9	70.5±7.1	35.0±7.2	63.9±7.4	70.7±7.1	65.0±7.5	62.4±7.5	61.4±7.5
Iowa	94.5±3.4	80.5±5.9	92.7±4.0	89.3±4.6	94.7±3.0	79.1±6.0	92.2±3.9	89.4±4.7	91.8±4.0	83.7±5.5	76.8±6.2	44.4±7.6	70.2±7.5	78.3±6.1	73.2±6.5	71.9±6.7	70.8±6.7
Kansas	85.7±5.5	75.0±6.3	82.8±5.9	86.3±5.0	86.9±5.2	74.0±6.3	84.1±5.5	84.4±5.3	85.1±5.5	74.3±6.4	79.2±5.8	39.3±6.8	59.9±7.0	72.0±6.5	67.5±6.7	64.3±6.8	63.1±6.8
Kentucky	92.8±3.7	76.3±6.2	91.5±3.9	86.5±5.1	90.7±4.0	74.9±6.2	90.4±4.0	87.1±4.8	91.6±3.9	78.3±6.1	63.2±6.8	31.2±6.6	69.0±6.4	75.2±6.2	69.6±6.5	68.0±6.6	66.1±6.7
Louisiana	93.5±4.1	74.1±6.8	92.6±4.2	88.4±4.4	92.2±4.5	80.5±5.8	92.5±4.5	89.7±4.4	91.3±4.5	78.2±6.3	79.8±5.9	37.6±7.1	65.0±7.4	71.0±7.0	68.3±7.1	68.2±7.1	67.9±7.1
Maine	93.9±3.9	84.9±5.4	92.5±4.0	89.1±4.6	92.6±4.1	81.7±5.8	86.5±4.9	88.1±4.5	94.8±2.7	85.6±5.2	66.7±7.0	37.2±7.2	64.7±7.0	80.7±5.9	76.9±6.4	73.0±6.6	71.8±6.8
Maryland	92.4±4.9	81.1±6.2	91.3±5.1	92.1±4.9	89.9±5.3	79.3±6.4	87.9±5.5	89.8±5.3	90.3±5.2	80.9±6.3	83.5±5.8	31.3±6.7	71.2±6.9	80.3±6.3	74.8±6.7	71.9±6.9	70.0±7.0
Massachusetts	95.8±3.2	85.1±5.3	93.8±3.5	91.1±3.9	94.5±3.5	83.2±5.6	86.9±5.0	87.5±4.9	94.2±3.5	85.9±5.0	77.4±6.0	39.0±7.0	82.4±5.6	82.9±5.5	79.1±5.9	75.1±6.2	73.4±6.4
Michigan	94.8±3.3	76.1±7.1	93.2±4.0	88.2±5.1	93.6±3.4	76.1±6.8	88.9±4.5	87.8±5.0	90.7±4.5	79.7±6.4	74.2±6.8	26.8±6.7	64.0±7.4	74.4±7.2	69.8±7.4	67.3±7.5	66.2±7.5
Minnesota	95.6±3.1	80.4±6.7	93.6±3.7	88.4±5.8	94.5±3.4	77.3±6.9	85.9±5.3	87.8±4.9	94.9±3.2	85.3±6.1	74.1±6.8	34.5±7.4	76.6±6.4	77.0±6.9	70.9±7.2	64.4±7.7	61.4±7.8
Mississippi	94.8±3.8	81.7±6.5	93.4±4.4	91.6±4.9	94.2±4.0	78.8±6.9	92.7±4.6	92.0±4.4	93.7±4.0	84.6±5.9	60.8±8.1	30.8±7.8	63.8±8.0	80.4±6.7	75.9±7.2	75.7±7.2	75.0±7.2
Missouri	94.3±4.0	79.0±7.1	92.6±4.6	91.9±4.2	93.0±4.4	76.4±7.4	91.8±4.3	89.9±5.0	89.0±5.5	74.3±7.6	77.0±6.9	31.3±7.8	69.3±7.8	77.3±7.2	72.1±7.7	69.3±7.8	66.0±7.9
Montana	93.8±3.3	82.1±5.2	92.1±3.9	89.1±4.4	93.9±3.2	85.6±4.9	86.2±5.7	83.5±5.5	90.4±5.1	82.7±5.9	75.6±6.6	28.8±6.4	61.3±7.4	79.3±5.6	75.7±6.1	70.1±6.8	66.3±7.1
Nebraska	96.6±2.1	80.7±5.8	95.4±2.6	87.5±4.8	95.8±2.7	80.2±6.0	88.6±4.6	88.9±4.6	95.3±2.7	85.4±5.2	79.2±5.9	45.0±7.0	74.2±6.2	79.0±6.0	75.8±6.3	71.7±6.6	70.4±6.7
Nevada	93.0±3.1	76.1±5.8	90.6±3.5	87.8±4.4	92.0±3.4	72.2±6.2	87.0±4.4	87.6±4.2	91.1±3.5	73.4±6.2	81.8±5.2	32.1±6.5	62.7±6.7	72.3±6.1	64.7±6.7	62.2±6.8	61.3±6.8
New Hampshire	98.0±1.8	87.4±4.8	96.2±2.6	92.5±3.7	95.2±3.2	88.8±4.6	89.7±4.3	91.2±3.8	94.5±3.3	88.1±4.6	78.2±6.0	34.9±6.7	83.0±5.8	86.8±4.9	84.8±5.2	80.4±5.7	78.3±5.9
New Jersey	94.5±3.1	80.9±5.5	90.4±3.8	93.4±3.1	95.0±3.0	80.3±5.5	86.9±4.7	93.0±3.3	92.3±3.4	79.7±5.6	75.3±5.8	21.6±5.9	68.0±6.6	78.7±5.7	73.3±6.2	69.7±6.5	69.7±6.5
New Mexico	94.8±3.0	83.8±5.5	94.3±3.0	86.8±5.0	94.9±3.0	83.8±5.4	89.5±4.5	85.7±5.2	94.2±3.0	81.6±5.8	81.8±5.9	33.8±7.1	77.9±5.9	80.0±5.9	76.4±6.3	73.4±6.7	71.7±6.8
New York	93.8±2.5	79.6±3.9	91.5±2.7	87.7±3.1	92.7±2.6	80.6±3.9	86.5±3.4	86.1±3.3	91.1±2.8	77.3±4.0	65.6±4.4	25.9±4.1	65.5±4.5	76.7±4.1	73.4±4.2	69.9±4.4	67.2±4.5
NY-City of New York	91.6±4.1	78.6±5.6	89.6±4.3	88.3±4.2	90.0±4.4	78.2±5.8	86.5±4.7	86.6±4.3	87.3±4.7	71.3±6.1	64.4±6.3	25.8±5.8	56.8±6.8	77.1±5.7	73.8±6.0	70.5±6.1	68.2±6.2
NY-Rest of State	96.0±2.8	80.6±5.3	93.4±3.3	87.1±4.7	95.4±2.9	83.0±5.2	86.4±4.8	85.5±5.0	94.9±3.0	83.4±5.1	66.9±6.1	25.9±5.9	74.1±5.9	76.2±5.8	73.0±6.0	69.2±6.3	66.2±6.4
North Carolina	93.2±3.8	76.8±6.7	92.3±3.8	87.2±5.2	91.6±4.2	78.2±6.5	87.5±5.1	86.7±5.2	91.0±4.4	79.5±6.2	74.4±6.7	27.5±6.5	68.0±7.1	73.8±6.8	72.4±6.9	71.9±6.9	71.0±6.9
North Dakota	92.9±5.1	81.1±6.6	92.9±5.1	89.7±5.4	91.5±5.5	79.4±6.8	91.1±5.3	88.0±5.5	91.3±5.4	84.5±6.3	85.0±6.3	43.3±7.2	75.4±7.1	79.0±6.7	75.9±7.1	73.9±7.1	71.3±7.2
Ohio	93.6±3.9	76.3±6.7	92.0±4.5	86.8±5.8	90.8±5.0	75.4±6.8	88.4±5.2	88.5±5.3	90.5±5.0	77.5±6.5	75.1±6.5	31.6±6.6	67.4±7.5	73.6±6.8	71.2±6.9	67.6±7.0	65.3±7.1
Oklahoma	95.3±2.6	73.2±6.5	94.6±2.8	86.5±5.2	94.5±2.7	66.7±7.7	91.8±3.4	86.9±5.1	93.6±3.0	72.8±7.0	80.9±5.9	38.3±7.2	55.6±7.7	70.8±6.7	61.7±7.8	59.0±7.7	58.9±7.7
Oregon	91.2±4.5	74.8±6.4	88.3±4.8	84.4±5.1	90.9±4.4	75.6±6.1	82.9±5.5	80.0±5.8	90.0±4.3	77.8±5.8	80.5±5.7	36.5±6.7	66.1±6.7	71.2±6.5	67.7±6.7	63.5±6.9	61.0±7.0
Pennsylvania	93.8±3.1	78.6±5.4	90.7±3.8	86.4±4.6	92.3±3.4	77.3±5.5	91.3±3.4	87.0±4.4	90.3±3.8	80.2±5.1	77.6±5.3	39.9±5.8	72.5±5.5	75.8±5.6	72.4±5.7	71.2±5.7	69.3±5.8
PA-Philadelphia County	92.6±4.4	82.1±6.0	91.6±4.7	91.2±4.8	91.4±4.7	78.8±6.4	90.2±4.4	91.3±4.6	89.7±5.0	79.3±6.5	83.8±5.8	39.1±7.5	68.0±7.2	81.2±6.1	77.5±6.5	73.6±7.0	73.1±7.0
PA-Rest of State	94.0±3.6	77.9±6.3	90.6±4.5	85.5±5.5	92.4±3.9	77.1±6.4	91.6±3.9	86.1±5.1	90.5±4.4	80.4±6.0	76.4±6.2	40.1±6.8	73.4±6.4	74.7±6.5	71.5±6.7	70.7±6.7	68.5±6.8
Rhode Island	98.3±1.6	85.7±5.4	97.6±2.0	93.4±3.3	96.3±2.7	84.0±5.7	96.1±2.7	92.4±3.8	95.2±3.2	86.9±5.4	85.3±4.9	27.8±6.2	79.8±6.4	84.1±5.5	75.5±6.3	75.5±6.3	72.9±6.5
South Carolina	95.0±2.8	77.7±6.3	95.0±2.7	90.6±4.2	95.5±2.6	78.8±6.2	92.5±4.1	93.3±3.4	94.0±3.5	79.2±6.2	81.0±6.0	29.6±6.5	70.6±6.7	75.1±6.5	72.4±6.7	71.2±6.7	71.2±6.7
South Dakota	93.7±3.3	73.2±6.4	91.9±3.8	90.4±3.8	94.7±3.0	75.0±6.0	91.4±3.6	90.6±3.9	92.0±3.5	73.9±6.4	68.8±6.0	29.3±6.1	59.5±7.0	70.8±6.6	67.1±6.7	63.9±6.8	62.9±6.8
Tennessee	94.2±3.9	77.6±6.4	92.2±4.2	89.8±4.9	93.3±4.0	80.2±6.0	91.0±4.5	89.2±5.0	93.6±3.9	81.4±6.1	82.3±5.9	32.8±7.3	64.3±7.6	75.4±6.9	72.1±7.1	70.4±7.2	70.0±7.2
Texas	92.3±2.1	74.2±3.8	89.8±2.5	89.0±2.4	90.9±2.4	74.1±3.8	84.4±3.3	88.9±2.5	90.8±2.4	76.7±3.7	82.5±3.1	39.7±3.9	67.5±3.9	73.3±3.8	70.3±3.9	65.5±4.0	64.8±4.0
TX-Bexar County	92.1±4.0	73.8±7.0	89.3±4.8	87.9±5.1	91.9±4.1	74.4±7.0	89.2±4.4	89.8±4.7	91.9±3.8	78.5±6.5	85.6±5.4	44.6±8.0	67.5±7.4	73.5±7.0	70.4±7.2	68.1±7.4	66.8±7.5
TX-City of Houston	96.7±3.0	79.7±7.2	95.6±3.5	91.2±4.9	95.1±3.7	78.3±7.4	92.3±4.3	90.7±4.9	95.5±3.4	81.4±6.9	89.3±5.3	45.2±8.4	79.7±7.6	78.4±7.4	74.4±7.8	72.4±7.8	71.3±7.8
TX-Dallas County	92.2±4.4	78.0±6.6	90.8±4.6	86.5±5.6	92.2±4.4	79.8±6.3	84.7±5.8	88.8±4.8	90.0±5.0	78.0±6.9	85.1±5.7	40.1±7.8	72.0±7.2	76.6±6.7	75.7±6.7	73.2±7.0	73.2±7.0
TX-El Paso County	90.6±4.0	72.7±6.5	88.0±4.6	85.9±4.9	90.8±4.0	69.6±6.5	84.4±4.9	86.5±4.9	89.0±4.3	73.2±6.3	85.7±5.0	39.9±6.7	68.4±6.7	71.1±6.6	65.7±6.8	61.3±6.9	60.8±6.9
TX-Rest of State	91.7±3.0	72.7±5.3	88.7±3.6	89.2±3.4	89.9±3.5	72.6±5.3	82.4±4.7	88.6±3.5	90.1±3.4	75.7±5.1	80.4±4.4	38.2±5.4	64.5±5.4	71.9±5.3	68.9±5.4	63.0±5.6	62.3±5.6
Utah	92.1±4.7	76.0±7.1	91.6±4.8	85.8±5.7	93.2±4.2	77.2±7.0	90.2±4.9	84.5±5.8	90.2±5.2	82.1±6.4	85.5±5.5	37.8±7.6	74.5±6.8	75.1±7.2	73.6±7.3	72.3±7.3	71.0±7.4
Vermont	97.1±2.4	81.3±5.6	92.7±3.6	89.8±4.1	91.9±3.9	80.0±5.4	89.7±4.3	78.0±6.0	91.4±4.1	82.9±5.2	57.1±6.8	21.7±5.3	64.2±6.6	74.9±6.2	68.7±6.4	66.4±6.5	58.8±6.8
Virginia	96.9±2.8	80.8±6.8	95.2±3.1	93.7±4.0	95.4±3.5	78.5±7.0	91.1±4.6	91.7±4.7	97.0±2.7	84.2±6.4	77.0±7.3	29.1±7.6	71.9±7.9	79.2±6.9	73.8±7.5	70.9±7.7	69.6±7.7
Washington	91.8±4.2	79.8±5.9	87.7±5.2	82.1±6.2	90.8±4.5	79.2±6.3	85.4±5.3	81.6±6.0	90.5±4.5	76.8±6.7	73.5±6.9	28.9±6.8	68.6±7.0	74.5±6.7	70.4±7.0	65.9±7.2	64.7±7.2
West Virginia	93.3±4.1	75.0±7.1	91.6±4.4	82.3±6.5	90.5±4.8	75.1±7.1	85.2±6.0	79.4±6.7	90.1±5.0	73.0±7.3	76.3±7.0	39.4±7.7	62.6±7.8	69.2±7.5	65.2±7.7	62.4±7.9	59.0±7.9
Wisconsin	91.2±4.9	82.7±5.9	88.1±5.4	87.4±5.4	90.2±5.1	81.5±6.1	88.1±5.2	85.4±5.5	91.1±4.9	82.5±6.0	73.7±6.8	36.8±7.0	67.4±7.1	80.2±6.1	78.2±6.3	75.4±6.5	73.9±6.6
Wyoming	93.4±3.8	75.8±6.3	91.0±4.5	89.1±4.6	93.1±3.7	77.7±6.1	90.2±4.4	85.6±5.3	91.4±4.0	79.4±5.9	53.0±7.7	19.6±5.7	69.1±6.7	73.0±6.6	71.3±6.6	69.0±6.8	65.9±6.9
U.S. Virgin Islands	71.1±7.2	50.4±7.7	69.3±7.3	62.7±7.5	68.5±7.4	51.1±7.7	72.8±6.9	65.5±7.4	64.4±7.5	43.4±7.7	25.6±6.8	NA	15.6±5.7	48.7±7.7	46.1±7.7	45.0±7.7	43.9±7.7

* Estimate=NA (Not Available) if the unweighted sample size for the denominator was <30 or (CI half width)/Estimate > 0.588 or (CI half width) >10.
Estimates presented as point estimate (—) ± 95— Confidence Interval.

[†] Children in the Q1/2012-Q4/2012 National Immunization Survey were born from January 2009 through May 2011.

[*] 3 or more doses of any diphtheria and tetanus toxoids and pertussis vaccines including diphtheria and tetanus toxoids, and any acellular pertussis vaccine (DTaP/DTP/DT).

[‡] 4 or more doses of DTaP.

[§] 3 or more doses of any poliovirus vaccine.

[‖] 1 or more doses of measles-mumps-rubella vaccine.

[¶] Primary series Hib: ≥2 or ≥3 doses of Hib vaccine depending on product type received.

** Full series Hib: ≥3 or ≥4 doses of Hib vaccine depending on product type received (includes primary series plus the booster dose).

[††] 3 or more doses of hepatitis B vaccine.

[§§] 1 or more doses of varicella at or after child's first birthday, unadjusted for history of varicella illness.

[‖‖] 3 or more doses of pneumococcal conjugate vaccine (PCV).

[¶¶] 4 or more doses of PCV.

*** 1 or more doses of Hepatitis A vaccine.

[†††] 2 or more doses of Hepatitis A vaccine.

[‡‡‡] ≥2 or ≥3 doses of Rotavirus vaccine, depending on product type received (≥2 doses for Rotarix® [RVI] or ≥3 doses for RotaTeq® [RV5]).

[§§§] 4 or more doses of DTaP, 3 or more doses of poliovirus vaccine, and 1 or more doses of any MMR vaccine.

[‖‖‖] 4:3:1 plus the full series Hib.

[¶¶¶] 4:3:1 plus full series of Hib vaccine and 3 or more doses of HepB vaccine

**** 4:3:1 plus full series of Hib vaccine, 3 or more doses of HepB vaccine, and 1 or more doses of varicella vaccine.