

SUPPLEMENTARY TABLE 1. Estimated vaccination coverage by age 24 months* among children born 2016-2020,[†] by selected vaccines and doses, by sociodemographic characteristics - National Immunization Survey-Child, United States, 2017-2022

Vaccine / Dose	Sociodemographic Characteristic	2016 % (95% CI)	2017 % (95% CI)	2018 % (95% CI)	2019 % (95% CI)	2020 (prelim) % (95% CI)	Average Annual Percentage Point Change [§]			2019-2020 (prelim) % (95% CI)	Difference (Referent - Subgroup), 2019-2020 (prelim)		
							%	95% CI	P-value		%	95% CI	P-value
≥ 4 doses DTaP [¶]	National / Overall	80.4 (78.9-81.8)	80.9 (79.7-82.1)	82.3 (81.2-83.4)	81.2 (80.0-82.4)	80.7 (78.9-82.4)	0.2	(-0.9-1.2)	0.66	81.0 (79.9-82.0)	NA**	NA**	NA**
≥ 4 doses DTaP [¶]	White only, non-Hispanic	83.0 (81.5-84.5)	83.6 (82.1-85.1)	85.5 (84.3-86.7)	83.1 (81.5-84.6)	83.4 (81.3-85.3)	0.1	(-1.4-1.6)	0.88	83.2 (81.9-84.5)	ref	ref	ref
≥ 4 doses DTaP [¶]	Black only, non-Hispanic	75.9 (71.8-79.8)	75.2 (71.6-78.7)	73.8 (69.8-77.6)	75.4 (71.4-79.2)	77.3 (72.9-81.4)	0.3	(-1.1-1.6)	0.58	76.3 (73.3-79.1)	6.9	(3.8-10.1)	0.00
≥ 4 doses DTaP [¶]	Hispanic	78.0 (74.1-81.8)	78.1 (75.0-81.0)	81.5 (79.0-83.9)	79.8 (76.9-82.6)	78.3 (73.9-82.5)	0.4	(-1.8-2.6)	0.63	79.1 (76.5-81.5)	4.2	(1.3-7.0)	0.00
≥ 4 doses DTaP [¶]	American Indian or Alaska Native only, non-Hispanic	71.7 (58.7-83.5)	66.7 (52.3-80.4)	78.2 (68.6-86.4)	71.6 (61.2-81.3)	73.2 (62.5-82.9)	0.5	(-4.5-5.4)	0.79	72.3 (64.8-79.3)	11.0	(3.5-18.4)	0.00
≥ 4 doses DTaP [¶]	Asian only, non-Hispanic	78.6 (69.4-86.6)	88.9 (85.2-92.0)	84.0 (78.8-88.5)	89.3 (85.7-92.4)	87.2 (79.8-92.8)	0.8	(-3.6-5.2)	0.60	88.4 (84.7-91.6)	-5.2	(-8.9--1.5)	0.01
≥ 4 doses DTaP [¶]	Native Hawaiian or other Pacific Islander only, non-Hispanic	76.2 (62.0-88.1)	81.2 (66.7-92.2)	70.6 (53.1-86.1)	79.6 (60.5-93.4)	71.0 (52.2-87.4)	-1.1	(-6.3-4.0)	0.53	75.1 (61.5-86.8)*	8.1	(-5.0-21.2)	0.23
≥ 4 doses DTaP [¶]	Multiple Race, non-Hispanic	81.7 (77.2-85.9)	80.3 (75.5-84.7)	81.0 (77.3-84.4)	80.5 (76.0-84.7)	77.0 (70.1-83.3)	-0.7	(-2.0-0.5)	0.17	78.7 (74.6-82.6)	4.5	(0.3-8.7)	0.04
≥ 4 doses DTaP [¶]	At or Above Poverty Level	84.1 (82.6-85.5)	84.0 (82.6-85.4)	85.7 (84.6-86.8)	84.7 (83.4-85.9)	84.3 (82.6-86.0)	0.2	(-0.8-1.1)	0.64	84.5 (83.4-85.5)	ref	ref	ref
≥ 4 doses DTaP [¶]	Below Poverty Level	70.8 (67.0-74.6)	73.4 (70.5-76.3)	73.9 (71.2-76.6)	71.6 (68.4-74.7)	70.6 (65.9-75.2)	-0.2	(-2.2-1.8)	0.75	71.0 (68.2-73.8)	13.5	(10.5-16.4)	0.00
≥ 4 doses DTaP [¶]	Private Insurance Only	87.3 (85.7-88.9)	86.6 (84.9-88.2)	89.2 (88.0-90.3)	87.7 (86.3-89.0)	86.9 (85.0-88.7)	0.1	(-1.4-1.5)	0.89	87.3 (86.1-88.4)	ref	ref	ref
≥ 4 doses DTaP [¶]	Any Medicaid Insurance	75.5 (72.8-78.1)	76.6 (74.6-78.7)	78.0 (76.1-79.8)	76.8 (74.7-78.8)	76.3 (73.3-79.2)	0.2	(-1.0-1.4)	0.62	76.6 (74.8-78.3)	10.7	(8.6-12.8)	0.00
≥ 4 doses DTaP [¶]	Other Insurance ^{**}	76.9 (72.7-80.9)	80.2 (76.4-83.8)	79.2 (75.0-83.2)	75.7 (70.5-80.7)	76.9 (70.8-82.6)	-0.4	(-2.7-1.9)	0.63	76.3 (72.3-80.1)	11.0	(6.9-15.0)	0.00
≥ 4 doses DTaP [¶]	No Insurance	63.5 (56.7-70.3)	68.4 (61.3-75.3)	55.3 (46.5-64.6)	63.3 (53.0-73.6)	59.0 (43.6-75.0)	-1.5	(-7.7-4.7)	0.50	61.3 (52.3-70.4)	26.0	(16.7-35.2)	0.00
≥ 4 doses DTaP [¶]	MSA, Principal City	79.7 (77.2-82.0)	81.3 (79.6-83.0)	82.9 (81.2-84.4)	80.6 (78.6-82.5)	80.7 (78.2-83.2)	0.1	(-1.5-1.8)	0.85	80.7 (79.1-82.2)	ref	ref	ref
≥ 4 doses DTaP [¶]	MSA, Non-Principal City	81.9 (79.7-84.0)	81.3 (79.3-83.3)	83.1 (81.4-84.7)	82.6 (80.7-84.4)	81.9 (79.1-84.6)	0.2	(-0.7-1.1)	0.51	82.2 (80.6-83.8)	-1.6	(-3.8-0.7)	0.18
≥ 4 doses DTaP [¶]	Non-MSA	77.1 (74.1-80.0)	77.7 (74.3-80.9)	76.7 (73.4-79.8)	78.4 (75.5-81.1)	76.2 (71.0-81.1)	0.1	(-0.9-1.1)	0.78	77.4 (74.4-80.2)	3.3	(0.0-6.6)	0.05
≥ 3 doses Polio	National / Overall	92.5 (91.6-93.4)	91.5 (90.6-92.4)	93.8 (93.1-94.4)	93.0 (92.2-93.8)	92.9 (91.9-93.9)	0.3	(-0.8-1.3)	0.48	93.0 (92.3-93.6)	NA**	NA**	NA**
≥ 3 doses Polio	White only, non-Hispanic	93.6 (92.7-94.5)	92.9 (91.9-93.9)	94.6 (93.7-95.4)	94.1 (93.1-94.9)	93.7 (92.4-94.8)	0.2	(-0.5-0.8)	0.54	93.9 (93.1-94.6)	ref	ref	ref
≥ 3 doses Polio	Black only, non-Hispanic	91.5 (87.2-94.8)	89.4 (86.7-91.7)	90.5 (87.6-92.9)	90.5 (87.9-92.8)	93.4 (90.8-95.4)	0.8	(-0.7-2.2)	0.19	91.9 (90.1-93.5)	2.0	(0.2-3.8)	0.03
≥ 3 doses Polio	Hispanic	91.6 (89.3-93.6)	90.3 (88.0-92.3)	93.7 (92.2-95.0)	91.8 (89.8-93.6)	93.1 (91.0-94.8)	0.4	(-1.1-1.9)	0.46	92.4 (91.0-93.7)	1.4	(-0.1-3.0)	0.06
≥ 3 doses Polio	American Indian or Alaska Native only, non-Hispanic	84.8 (74.1-92.7)	80.7 (66.8-91.4)	89.3 (81.6-94.7)	91.8 (86.2-95.8)	89.9 (81.2-95.7)	2.0	(-1.2-5.1)	0.15	90.8 (85.8-94.7)	3.0	(-1.5-7.5)	0.19
≥ 3 doses Polio	Asian only, non-Hispanic	92.6 (88.2-95.8)	94.5 (91.6-96.7)	96.8 (94.5-98.4)	96.3 (94.3-97.8)	91.2 (82.9-96.4)	0.7	(-1.6-3.1)	0.38	93.8 (89.6-96.7)	0.1	(-3.5-3.7)	0.95
≥ 3 doses Polio	Native Hawaiian or other Pacific Islander only, non-Hispanic	84.6 (71.8-93.7)	88.2 (76.5-95.8)	91.9 (81.7-97.6)	96.7 (88.9-99.5)	84.3 (65.4-96.1)	3.0	(-2.6-8.5)	0.19	90.6 (79.6-97.0)	3.3	(-5.5-12.1)	0.47
≥ 3 doses Polio	Multiple Race, non-Hispanic	91.6 (87.8-94.6)	90.0 (85.4-93.6)	93.8 (91.3-95.7)	93.0 (89.9-95.4)	89.7 (83.6-94.3)	0.3	(-2.0-2.6)	0.74	91.4 (87.9-94.1)	2.5	(-0.7-5.7)	0.12
≥ 3 doses Polio	At or Above Poverty Level	93.8 (92.9-94.7)	93.2 (92.2-94.1)	95.4 (94.7-96.0)	94.7 (94.0-95.4)	94.0 (92.7-95.0)	0.2	(-0.9-1.4)	0.55	94.4 (93.7-95.0)	ref	ref	ref
≥ 3 doses Polio	Below Poverty Level	89.1 (86.6-91.4)	88.0 (85.8-90.0)	89.4 (87.4-91.2)	88.6 (86.3-90.6)	89.5 (86.9-91.9)	0.1	(-0.6-0.9)	0.60	89.0 (87.3-90.6)	5.3	(3.6-7.1)	0.00
≥ 3 doses Polio	Private Insurance Only	95.9 (95.1-96.6)	94.6 (93.5-95.6)	96.2 (95.5-96.9)	96.3 (95.5-96.9)	94.9 (93.6-95.9)	0.0	(-0.8-0.8)	0.95	95.6 (94.9-96.2)	ref	ref	ref
≥ 3 doses Polio	Any Medicaid Insurance	90.0 (88.2-91.7)	89.4 (87.8-90.9)	92.2 (91.0-93.4)	90.7 (89.3-92.1)	91.8 (90.0-93.4)	0.5	(-0.9-1.8)	0.34	91.3 (90.1-92.3)	4.3	(3.1-5.6)	0.00
≥ 3 doses Polio	Other Insurance ^{**}	92.1 (89.7-94.1)	90.6 (87.5-93.2)	92.2 (89.0-94.8)	90.9 (87.3-93.8)	92.4 (88.2-95.6)	0.0	(-0.9-1.0)	0.99	91.6 (88.9-93.8)	4.0	(1.5-6.6)	0.00
≥ 3 doses Polio	No Insurance	83.0 (77.7-87.7)	82.3 (76.6-87.3)	85.2 (79.2-90.2)	82.7 (75.3-89.0)	76.9 (61.4-89.5)	-0.2	(-2.7-2.3)	0.83	80.0 (72.2-86.9)	15.6	(8.1-23.0)	0.00
≥ 3 doses Polio	MSA, Principal City	92.0 (90.5-93.4)	91.9 (90.6-93.1)	93.9 (92.9-94.8)	93.4 (92.2-94.4)	92.8 (91.2-94.3)	0.4	(-0.7-1.4)	0.33	93.1 (92.2-94.1)	ref	ref	ref
≥ 3 doses Polio	MSA, Non-Principal City	93.4 (91.9-94.7)	91.0 (89.4-92.4)	94.0 (92.9-95.1)	92.9 (91.6-94.1)	93.9 (92.6-95.1)	0.3	(-1.0-1.5)	0.55	93.4 (92.5-94.2)	-0.2	(-1.5-1.0)	0.70
≥ 3 doses Polio	Non-MSA	91.1 (89.1-92.9)	92.0 (90.2-93.7)	92.1 (90.2-93.8)	91.9 (90.0-93.5)	89.5 (84.5-93.4)	0.0	(-0.9-0.9)	0.95	90.7 (88.1-92.9)	2.5	(-0.1-5.1)	0.06
≥ 1 dose MMR ^{§§}	National / Overall	90.8 (89.8-91.7)	90.4 (89.3-91.4)	92.3 (91.5-93.0)	91.7 (90.9-92.5)	91.4 (90.3-92.5)	0.3	(-0.5-1.1)	0.36	91.6 (90.8-92.2)	NA**	NA**	NA**
≥ 1 dose MMR ^{§§}	White only, non-Hispanic	90.2 (88.6-91.6)	92.4 (91.3-93.4)	93.9 (93.0-94.7)	93.1 (92.1-94.1)	92.2 (90.7-93.4)	0.4	(-1.2-2.0)	0.48	92.6 (91.8-93.4)	ref	ref	ref
≥ 1 dose MMR ^{§§}	Black only, non-Hispanic	90.5 (87.3-93.1)	88.3 (85.5-90.8)	88.1 (85.0-90.9)	88.8 (85.8-91.4)	88.8 (85.1-91.8)	-0.3	(-1.3-0.7)	0.40	88.7 (86.5-90.8)	3.9	(1.6-6.2)	0.00

≥ 1 dose MMR ^{§§}	Hispanic	91.6 (89.9-93.2)	87.9 (85.1-90.4)	90.9 (88.9-92.7)	90.3 (88.2-92.2)	92.1 (89.6-94.1)	0.1	(-1.4-1.6)	0.88	91.2 (89.6-92.6)	1.4	(-0.3-3.2)	0.10
≥ 1 dose MMR ^{§§}	American Indian or Alaska Native only, non-Hispanic	86.0 (76.3-93.2)	81.5 (69.1-91.1)	91.1 (84.6-95.6)	88.8 (82.5-93.6)	89.1 (81.3-94.6)	0.9	(-2.4-4.3)	0.45	88.9 (84.1-92.8)	3.7	(-0.8-8.2)	0.10
≥ 1 dose MMR ^{§§}	Asian only, non-Hispanic	93.4 (90.2-95.8)	92.1 (88.7-94.7)	95.6 (92.5-97.7)	95.6 (93.4-97.2)	91.7 (85.5-96.0)	0.6	(-1.3-2.6)	0.38	93.8 (90.7-96.1)	-1.1	(-3.9-1.7)	0.44
≥ 1 dose MMR ^{§§}	Native Hawaiian or other Pacific Islander only, non-Hispanic	80.9 (67.5-91.3)	87.1 (75.3-95.0)	85.8 (70.0-95.7)	88.6 (68.0-98.4)	80.9 (61.0-94.5)	0.4	(-3.8-4.7)	0.76	86.3 (72.6-95.2)	6.4	(-5.3-18.1)	0.28
≥ 1 dose MMR ^{§§}	Multiple Race, non-Hispanic	91.7 (88.0-94.6)	90.1 (85.6-93.7)	92.6 (90.2-94.6)	91.0 (88.3-93.4)	89.7 (83.1-94.6)	-0.2	(-1.7-1.3)	0.72	90.3 (86.9-93.2)	2.3	(-1.0-5.6)	0.17
≥ 1 dose MMR ^{§§}	At or Above Poverty Level	91.7 (90.6-92.8)	92.1 (91.0-93.2)	93.7 (92.9-94.4)	93.1 (92.2-93.9)	91.8 (90.4-93.0)	0.2	(-0.9-1.3)	0.62	92.5 (91.7-93.2)	ref	ref	ref
≥ 1 dose MMR ^{§§}	Below Poverty Level	88.0 (85.7-90.2)	86.2 (83.8-88.4)	88.0 (85.8-90.1)	87.9 (85.5-90.0)	89.6 (86.8-92.0)	0.4	(-0.7-1.5)	0.30	88.7 (86.9-90.3)	3.8	(1.9-5.7)	0.00
≥ 1 dose MMR ^{§§}	Private Insurance Only	93.3 (92.1-94.3)	93.3 (91.9-94.5)	95.3 (94.6-96.0)	95.3 (94.5-96.0)	93.9 (92.5-95.0)	0.4	(-0.8-1.6)	0.36	94.6 (93.9-95.3)	ref	ref	ref
≥ 1 dose MMR ^{§§}	Any Medicaid Insurance	89.7 (88.0-91.3)	88.4 (86.7-90.0)	90.4 (89.0-91.7)	89.1 (87.6-90.5)	90.1 (88.2-91.9)	0.1	(-0.9-1.1)	0.72	89.6 (88.4-90.7)	5.0	(3.6-6.4)	0.00
≥ 1 dose MMR ^{§§}	Other Insurance ^{††}	89.7 (86.9-92.2)	89.4 (84.8-93.1)	91.1 (87.8-93.8)	88.8 (84.6-92.4)	88.7 (83.9-92.7)	-0.2	(-1.3-0.9)	0.66	88.9 (85.7-91.6)	5.7	(2.7-8.8)	0.00
≥ 1 dose MMR ^{§§}	No Insurance	75.1 (68.7-81.1)	82.5 (76.9-87.4)	78.7 (70.1-86.2)	83.4 (75.8-89.6)	71.2 (56.5-84.5)	0.9	(-4.7-6.5)	0.64	78.3 (70.1-85.6)	16.3	(8.4-24.2)	0.00
≥ 1 dose MMR ^{§§}	MSA, Principal City	90.5 (89.1-91.8)	91.2 (89.9-92.4)	92.5 (91.3-93.6)	91.9 (90.6-93.1)	91.0 (89.3-92.5)	0.2	(-0.7-1.2)	0.49	91.5 (90.4-92.5)	ref	ref	ref
≥ 1 dose MMR ^{§§}	MSA, Non-Principal City	91.5 (89.9-93.0)	89.8 (88.0-91.5)	92.7 (91.4-93.9)	91.9 (90.5-93.1)	92.6 (91.0-94.1)	0.4	(-0.7-1.5)	0.35	92.2 (91.1-93.1)	-0.7	(-2.1-0.7)	0.34
≥ 1 dose MMR ^{§§}	Non-MSA	89.2 (87.0-91.2)	89.4 (86.4-92.0)	89.6 (87.3-91.7)	90.1 (88.1-91.9)	88.5 (83.4-92.6)	0.2	(-0.4-0.7)	0.39	89.4 (86.8-91.7)	2.1	(-0.5-4.8)	0.12
Hib-Full Series ^{¶¶}	National / Overall	80.0 (78.6-81.5)	79.1 (77.8-80.5)	80.2 (79.0-81.3)	79.9 (78.7-81.1)	78.2 (76.4-79.9)	-0.2	(-1.1-0.7)	0.53	79.1 (78.0-80.1)	NA**	NA**	NA**
Hib-Full Series ^{¶¶}	White only, non-Hispanic	81.7 (79.9-83.4)	82.2 (80.6-83.8)	83.0 (81.5-84.3)	81.9 (80.4-83.4)	79.6 (77.3-81.8)	-0.3	(-1.6-1.0)	0.51	80.8 (79.4-82.1)	ref	ref	ref
Hib-Full Series ^{¶¶}	Black only, non-Hispanic	76.2 (72.2-80.0)	74.6 (70.9-78.2)	72.2 (68.2-76.1)	73.6 (69.6-77.4)	72.5 (68.0-76.9)	-0.9	(-2.0-0.3)	0.10	73.1 (70.1-76.0)	7.7	(4.4-10.9)	0.00
Hib-Full Series ^{¶¶}	Hispanic	78.6 (74.9-82.1)	75.0 (71.6-78.2)	79.6 (77.0-82.2)	79.1 (76.3-81.8)	78.0 (73.8-81.8)	0.4	(-1.9-2.8)	0.61	78.5 (76.1-80.9)	2.2	(-0.5-5.0)	0.11
Hib-Full Series ^{¶¶}	American Indian or Alaska Native only, non-Hispanic	77.0 (64.8-87.4)	69.6 (55.1-83.0)	76.3 (66.0-85.4)	69.9 (59.5-79.7)	67.5 (54.6-79.7)	-2.0	(-5.7-1.6)	0.18	68.7 (60.3-76.8)	12.1	(3.6-20.5)	0.01
Hib-Full Series ^{¶¶}	Asian only, non-Hispanic	81.4 (73.4-88.2)	84.7 (79.0-89.6)	84.9 (79.7-89.4)	83.7 (78.8-88.0)	82.5 (74.8-89.0)	0.0	(-1.8-1.8)	0.98	83.2 (78.9-87.1)	-2.5	(-6.8-1.9)	0.27
Hib-Full Series ^{¶¶}	Native Hawaiian or other Pacific Islander only, non-Hispanic	77.5 (63.4-89.1)	79.2 (64.2-90.9)	71.0 (53.5-86.4)	71.0 (47.3-90.9)	75.5 (56.8-90.5)	-1.2	(-4.7-2.3)	0.35	73.6 (57.9-87.1)	7.2	(-8.0-22.4)	0.35
Hib-Full Series ^{¶¶}	Multiple Race, non-Hispanic	80.9 (76.3-85.1)	80.1 (75.4-84.5)	77.1 (72.7-81.2)	81.4 (77.3-85.1)	78.5 (71.8-84.5)	-0.2	(-2.6-2.1)	0.78	79.9 (76.0-83.6)	0.9	(-3.2-4.9)	0.67
Hib-Full Series ^{¶¶}	At or Above Poverty Level	83.3 (81.8-84.7)	83.1 (81.6-84.5)	84.0 (82.7-85.1)	82.9 (81.6-84.1)	81.6 (79.8-83.3)	-0.3	(-1.1-0.6)	0.37	82.3 (81.2-83.3)	ref	ref	ref
Hib-Full Series ^{¶¶}	Below Poverty Level	71.9 (68.1-75.6)	70.8 (67.8-73.9)	71.6 (68.7-74.5)	71.3 (68.2-74.4)	68.0 (63.3-72.6)	-0.5	(-1.8-0.8)	0.30	69.7 (66.9-72.4)	12.6	(9.6-15.6)	0.00
Hib-Full Series ^{¶¶}	Private Insurance Only	85.7 (83.9-87.5)	85.0 (83.2-86.6)	87.3 (85.9-88.6)	85.3 (83.8-86.7)	83.5 (81.5-85.4)	-0.4	(-2.0-1.3)	0.54	84.4 (83.2-85.6)	ref	ref	ref
Hib-Full Series ^{¶¶}	Any Medicaid Insurance	76.4 (73.8-78.8)	74.8 (72.6-77.0)	75.4 (73.4-77.4)	76.3 (74.2-78.2)	74.0 (71.0-76.9)	-0.2	(-1.3-0.9)	0.61	75.1 (73.3-76.9)	9.3	(7.2-11.4)	0.00
Hib-Full Series ^{¶¶}	Other Insurance ^{††}	78.5 (74.4-82.4)	79.3 (75.0-83.2)	77.2 (72.8-81.4)	75.0 (69.8-79.9)	78.7 (73.1-83.9)	-0.5	(-2.2-1.3)	0.45	76.7 (72.9-80.3)	7.8	(3.8-11.7)	0.00
Hib-Full Series ^{¶¶}	No Insurance	58.6 (51.7-65.6)	63.8 (56.4-71.3)	56.1 (47.2-65.3)	65.3 (55.7-74.8)	57.7 (42.5-73.7)	0.5	(-4.5-5.6)	0.75	61.9 (53.1-70.8)	22.5	(13.5-31.5)	0.00
Hib-Full Series ^{¶¶}	MSA, Principal City	79.2 (76.8-81.5)	79.7 (77.7-81.6)	80.9 (79.2-82.6)	79.7 (77.8-81.6)	79.1 (76.6-81.5)	0.0	(-1.0-1.0)	0.97	79.4 (77.9-80.9)	ref	ref	ref
Hib-Full Series ^{¶¶}	MSA, Non-Principal City	81.9 (79.9-83.9)	78.5 (76.3-80.6)	80.1 (78.3-81.9)	80.1 (78.1-81.9)	78.8 (76.0-81.5)	-0.5	(-1.9-0.9)	0.36	79.4 (77.8-81.0)	0.0	(-2.3-2.2)	0.99
Hib-Full Series ^{¶¶}	Non-MSA	75.9 (72.0-79.7)	79.6 (76.3-82.6)	76.8 (73.5-80.0)	80.3 (77.7-82.8)	72.1 (66.7-77.3)	0.1	(-3.6-3.8)	0.95	76.3 (73.3-79.2)	3.1	(-0.2-6.5)	0.07
HepB birth dose ^{***}	National / Overall	75.6 (74.0-77.1)	77.2 (75.9-78.5)	79.1 (77.8-80.3)	81.5 (80.4-82.6)	81.5 (79.9-82.9)	1.7	(0.9-2.5)	0.01	81.5 (80.5-82.4)	NA**	NA**	NA**
HepB birth dose ^{***}	White only, non-Hispanic	74.0 (72.1-75.8)	75.9 (74.2-77.6)	78.3 (76.6-79.9)	80.0 (78.4-81.5)	82.2 (80.4-83.9)	2.1	(1.9-2.2)	0.00	81.1 (79.9-82.2)	ref	ref	ref
HepB birth dose ^{***}	Black only, non-Hispanic	77.8 (73.3-81.7)	75.4 (71.6-78.9)	76.8 (72.5-80.6)	79.2 (75.4-82.5)	78.6 (74.1-82.4)	0.6	(-0.9-2.1)	0.29	78.9 (76.0-81.5)	2.2	(-0.8-5.2)	0.15
HepB birth dose ^{***}	Hispanic	77.3 (73.5-80.7)	81.1 (78.3-83.7)	80.1 (77.3-82.6)	83.3 (80.7-85.6)	81.0 (77.1-84.4)	1.0	(-1.0-3.0)	0.20	82.1 (79.8-84.2)	-1.1	(-3.6-1.4)	0.41
HepB birth dose ^{***}	American Indian or Alaska Native only, non-Hispanic	77.4 (65.2-86.2)	53.7 (35.8-70.7)	82.5 (73.0-89.2)	80.4 (70.4-87.7)	78.6 (65.8-87.6)	1.5	(-7.5-10.4)	0.64	79.5 (71.5-85.7)	1.6	(-5.6-8.8)	0.67
HepB birth dose ^{***}	Asian only, non-Hispanic	72.8 (63.4-80.5)	78.7 (71.4-84.5)	84.2 (79.3-88.2)	85.5 (81.4-88.8)	79.9 (71.2-86.4)	2.3	(-2.6-7.3)	0.23	82.8 (78.2-86.6)	-1.7	(-6.1-2.7)	0.44
HepB birth dose ^{***}	Native Hawaiian or other Pacific Islander only, non-Hispanic	76.5 (59.1-88.1)	88.5 (73.4-95.5)	78.7 (56.7-91.2)	79.4 (56.3-92.0)	88.0 (73.7-95.1)	1.3	(-4.3-6.9)	0.51	83.5 (70.1-91.6)	-2.4	(-13-8.2)	0.65
HepB birth dose ^{***}	Multiple Race, non-Hispanic	77.1 (70.8-82.3)	75.8 (70.5-80.4)	79.9 (75.8-83.4)	85.5 (82.3-88.1)	85.1 (80.7-88.6)	2.8	(0.3-5.3)	0.04	85.3 (82.6-87.6)	-4.2	(-6.9--1.5)	0.00
HepB birth dose ^{***}	At or Above Poverty Level	75.5 (73.8-77.2)	76.8 (75.3-78.3)	79.8 (78.4-81.2)	80.9 (79.6-82.2)	82.2 (80.5-83.8)	1.8	(1.1-2.4)	0.00	81.6 (80.5-82.6)	ref	ref	ref
HepB birth dose ^{***}	Below Poverty Level	76.6 (72.9-80.0)	79.5 (76.7-82.0)	77.2 (74.3-80.0)	82.8 (80.2-85.1)	80.1 (76.3-83.4)	1.1	(-1.4-3.7)	0.25	81.5 (79.2-83.5)	0.1	(-2.3-2.5)	0.93
HepB birth dose ^{***}	Private Insurance Only	76.9 (74.9-78.8)	77.1 (75.3-78.8)	80.5 (78.8-82.2)	82.3 (80.7-83.8)	83.8 (81.9-85.5)	1.9	(1.1-2.7)	0.00	83.0 (81.8-84.2)	ref	ref	ref

HepB birth dose***	Any Medicaid Insurance	75.8 (73.1-78.3)	77.9 (75.7-79.9)	78.5 (76.5-80.5)	81.7 (79.9-83.4)	81.4 (78.9-83.7)	1.6	(0.5-2.6)	0.02	81.6 (80.1-83.0)	1.4	(-0.5-3.3)	0.14
HepB birth dose***	Other Insurance ^{††}	70.0 (65.2-74.4)	74.8 (70.1-79.0)	75.3 (70.9-79.3)	78.5 (74.4-82.2)	70.5 (63.0-77.0)	1.4	(-2.5-5.2)	0.34	74.9 (70.8-78.5)	8.2	(4.1-12.2)	0.00
HepB birth dose***	No Insurance	67.1 (60.2-73.3)	75.0 (67.1-81.6)	74.5 (66.1-81.3)	68.2 (57.3-77.4)	58.2 (41.0-73.6)	-0.3	(-7.3-6.7)	0.90	63.7 (53.7-72.7)	19.3	(9.6-29.0)	0.00
HepB birth dose***	MSA, Principal City	73.6 (71.1-75.9)	75.9 (73.8-77.8)	78.1 (76.0-80.0)	81.3 (79.5-82.9)	81.5 (79.1-83.7)	2.2	(1.3-3.1)	0.00	81.4 (79.9-82.8)	ref	ref	ref
HepB birth dose***	MSA, Non-Principal City	76.9 (74.4-79.2)	78.8 (76.8-80.7)	80.0 (78.1-81.7)	82.0 (80.2-83.7)	81.5 (79.0-83.7)	1.3	(0.4-2.2)	0.02	81.7 (80.3-83.1)	-0.4	(-2.4-1.7)	0.73
HepB birth dose***	Non-MSA	78.7 (75.6-81.4)	76.5 (72.9-79.7)	79.6 (76.1-82.7)	80.5 (77.4-83.3)	81.3 (76.7-85.2)	0.8	(-0.5-2.2)	0.15	80.9 (78.2-83.3)	0.5	(-2.5-3.5)	0.74
≥ 3 doses HepB	National / Overall	91.4 (90.4-92.3)	91.1 (90.2-92.0)	92.5 (91.7-93.3)	92.6 (91.8-93.3)	91.5 (90.4-92.6)	0.3	(-0.5-1.1)	0.39	92.1 (91.4-92.7)	NA**	NA**	NA**
≥ 3 doses HepB	White only, non-Hispanic	92.2 (91.2-93.1)	92.0 (91.0-93.0)	93.5 (92.5-94.4)	93.2 (92.2-94.1)	92.4 (91.0-93.6)	0.2	(-0.5-0.9)	0.42	92.8 (92.0-93.6)	ref	ref	ref
≥ 3 doses HepB	Black only, non-Hispanic	90.2 (85.8-93.7)	91.5 (89.2-93.4)	90.1 (87.3-92.5)	90.0 (87.4-92.3)	93.0 (90.5-95.0)	0.4	(-1.0-1.9)	0.42	91.4 (89.6-93.0)	1.4	(-0.5-3.3)	0.15
≥ 3 doses HepB	Hispanic	90.6 (88.1-92.8)	90.0 (87.6-92.1)	91.3 (89.3-93.0)	92.4 (90.8-93.9)	90.8 (88.1-93.2)	0.4	(-0.6-1.5)	0.29	91.7 (90.1-93.1)	1.2	(-0.5-2.8)	0.17
≥ 3 doses HepB	American Indian or Alaska Native only, non-Hispanic	87.6 (78.2-94.3)	76.3 (61.6-88.6)	88.7 (80.4-94.6)	92.7 (87.1-96.4)	92.6 (86.5-96.6)	2.0	(-1.7-5.6)	0.19	92.6 (88.7-95.6)	0.2	(-3.3-3.7)	0.92
≥ 3 doses HepB	Asian only, non-Hispanic	91.4 (87.8-94.3)	91.8 (88.3-94.6)	96.4 (94.1-98.0)	95.3 (92.9-97.1)	91.1 (85.3-95.3)	0.9	(-2.2-4.0)	0.43	93.3 (90.3-95.6)	-0.5	(-3.3-2.3)	0.74
≥ 3 doses HepB	Native Hawaiian or other Pacific Islander only, non-Hispanic	86.5 (74.3-94.7)	91.5 (82.2-97.1)	93.3 (83.0-98.4)	98.3 (94.6-99.7)	79.2 (59.4-93.5)	3.2	(-2.8-9.1)	0.19	89.2 (77.7-96.3)	3.6	(-5.9-13.1)	0.46
≥ 3 doses HepB	Multiple Race, non-Hispanic	91.9 (88.2-94.7)	90.2 (85.7-93.7)	93.5 (91.3-95.3)	91.9 (88.9-94.3)	87.1 (80.9-92.1)	-0.3	(-2.9-2.4)	0.78	89.5 (86.0-92.4)	3.3	(0.0-6.7)	0.05
≥ 3 doses HepB	At or Above Poverty Level	92.2 (91.0-93.2)	92.7 (91.7-93.6)	93.8 (92.9-94.6)	93.5 (92.7-94.2)	92.2 (90.9-93.3)	0.2	(-0.8-1.1)	0.63	92.9 (92.1-93.6)	ref	ref	ref
≥ 3 doses HepB	Below Poverty Level	89.6 (87.2-91.8)	88.7 (86.7-90.5)	88.8 (86.7-90.8)	89.7 (87.7-91.6)	88.7 (85.7-91.4)	0.0	(-0.7-0.7)	0.99	89.2 (87.4-90.9)	3.6	(1.8-5.5)	0.00
≥ 3 doses HepB	Private Insurance Only	93.5 (92.5-94.4)	93.0 (91.9-94.1)	94.3 (93.2-95.2)	94.8 (94.0-95.6)	92.6 (91.1-93.9)	0.2	(-0.9-1.2)	0.62	93.7 (92.9-94.5)	ref	ref	ref
≥ 3 doses HepB	Any Medicaid Insurance	89.8 (87.9-91.6)	90.0 (88.4-91.5)	91.5 (90.1-92.7)	91.4 (90.1-92.6)	91.2 (89.4-92.9)	0.4	(-0.2-1.0)	0.12	91.3 (90.2-92.3)	2.4	(1.1-3.8)	0.00
≥ 3 doses HepB	Other Insurance ^{††}	91.8 (89.3-93.9)	89.5 (86.3-92.1)	91.8 (88.8-94.2)	90.1 (86.6-93.1)	91.6 (87.4-94.8)	-0.1	(-1.4-1.2)	0.84	90.8 (88.2-93.1)	2.9	(0.3-5.5)	0.03
≥ 3 doses HepB	No Insurance	83.3 (78.3-87.8)	84.6 (79.3-89.2)	84.5 (78.2-89.8)	80.5 (72.5-87.4)	71.0 (55.9-84.7)	-1.3	(-4.8-2.2)	0.32	76.2 (68.1-83.6)	17.5	(9.7-25.4)	0.00
≥ 3 doses HepB	MSA, Principal City	90.5 (88.8-92.1)	90.7 (89.2-92.0)	92.2 (90.9-93.3)	93.5 (92.5-94.5)	91.9 (90.4-93.3)	0.7	(-0.5-1.9)	0.17	92.8 (91.8-93.6)	ref	ref	ref
≥ 3 doses HepB	MSA, Non-Principal City	92.4 (90.9-93.7)	91.2 (89.7-92.5)	92.9 (91.6-94.0)	92.2 (90.9-93.3)	92.2 (90.5-93.7)	0.1	(-0.7-0.8)	0.80	92.2 (91.2-93.1)	0.6	(-0.8-1.9)	0.40
≥ 3 doses HepB	Non-MSA	91.3 (89.3-93.1)	92.5 (90.9-93.9)	92.6 (90.8-94.1)	90.4 (88.0-92.5)	87.2 (82.0-91.5)	-0.5	(-2.3-1.3)	0.46	88.8 (86.0-91.3)	3.9	(1.2-6.7)	0.01
≥ 1 dose VAR ^{\$5}	National / Overall	90.3 (89.3-91.3)	89.9 (88.9-90.9)	91.2 (90.3-92.0)	91.1 (90.2-92.0)	91.2 (90.1-92.3)	0.3	(-0.2-0.8)	0.14	91.1 (90.4-91.8)	NA**	NA**	NA**
≥ 1 dose VAR ^{\$5}	White only, non-Hispanic	89.2 (87.7-90.7)	90.9 (89.7-92.1)	93.2 (92.3-94.0)	92.3 (91.2-93.3)	91.7 (90.2-93.0)	0.6	(-1.1-2.3)	0.35	92.0 (91.1-92.8)	ref	ref	ref
≥ 1 dose VAR ^{\$5}	Black only, non-Hispanic	90.6 (87.4-93.2)	89.1 (86.5-91.4)	88.2 (85.1-90.9)	89.5 (86.6-92.0)	90.7 (87.7-93.2)	0.1	(-1.1-1.3)	0.83	90.0 (88.0-91.9)	2.0	(-0.2-4.1)	0.07
≥ 1 dose VAR ^{\$5}	Hispanic	91.9 (90.2-93.4)	88.2 (85.6-90.5)	89.2 (87.0-91.2)	89.4 (87.1-91.5)	91.9 (89.5-93.9)	-0.2	(-2.0-1.7)	0.79	90.6 (89.0-92.1)	1.4	(-0.4-3.1)	0.14
≥ 1 dose VAR ^{\$5}	American Indian or Alaska Native only, non-Hispanic	83.2 (72.0-91.8)	85.1 (73.8-93.3)	89.7 (82.4-94.9)	89.0 (82.8-93.7)	84.3 (74.8-91.7)	0.6	(-3.2-4.3)	0.67	86.6 (80.9-91.2)	5.4	(0.1-10.6)	0.04
≥ 1 dose VAR ^{\$5}	Asian only, non-Hispanic	92.1 (88.8-94.8)	93.4 (90.4-95.7)	94.2 (90.6-96.7)	95.1 (92.6-97.0)	91.4 (85.3-95.7)	0.6	(-0.9-2.0)	0.32	93.4 (90.3-95.8)	-1.4	(-4.3-1.5)	0.34
≥ 1 dose VAR ^{\$5}	Native Hawaiian or other Pacific Islander only, non-Hispanic	82.8 (69.5-92.6)	89.3 (78.6-96.1)	93.1 (85.2-97.6)	89.8 (68.5-98.9)	86.3 (67.4-97.0)	1.4	(-4.4-7.2)	0.49	89.2 (75.9-96.9)	2.8	(-8.0-13.6)	0.61
≥ 1 dose VAR ^{\$5}	Multiple Race, non-Hispanic	90.9 (87.2-93.9)	89.3 (84.8-93.0)	90.2 (86.9-93.0)	90.0 (86.3-93.0)	88.4 (81.9-93.3)	-0.4	(-1.1-0.4)	0.24	89.1 (85.5-92.2)	2.8	(-0.7-6.3)	0.11
≥ 1 dose VAR ^{\$5}	At or Above Poverty Level	91.3 (90.2-92.3)	91.5 (90.3-92.6)	92.6 (91.7-93.4)	92.6 (91.6-93.4)	91.4 (90.0-92.6)	0.2	(-0.6-1.0)	0.47	92.0 (91.2-92.8)	ref	ref	ref
≥ 1 dose VAR ^{\$5}	Below Poverty Level	87.6 (85.3-89.8)	86.4 (84.1-88.5)	87.6 (85.3-89.7)	87.4 (84.9-89.6)	89.6 (86.9-92.0)	0.5	(-0.6-1.5)	0.24	88.5 (86.7-90.1)	3.5	(1.6-5.5)	0.00
≥ 1 dose VAR ^{\$5}	Private Insurance Only	92.7 (91.5-93.8)	92.2 (90.7-93.6)	93.9 (92.9-94.8)	94.8 (94.0-95.6)	93.2 (91.8-94.4)	0.5	(-0.6-1.5)	0.27	94.0 (93.2-94.8)	ref	ref	ref
≥ 1 dose VAR ^{\$5}	Any Medicaid Insurance	89.6 (87.8-91.2)	88.6 (87.0-90.2)	89.9 (88.5-91.3)	88.5 (86.8-90.0)	90.5 (88.7-92.2)	0.2	(-0.9-1.2)	0.67	89.5 (88.2-90.6)	4.6	(3.1-6.0)	0.00
≥ 1 dose VAR ^{\$5}	Other Insurance ^{††}	87.7 (84.7-90.4)	89.5 (86.4-92.2)	89.8 (86.4-92.6)	88.1 (83.7-91.8)	87.0 (81.8-91.3)	-0.1	(-1.5-1.4)	0.87	87.7 (84.4-90.5)	6.4	(3.2-9.6)	0.00
≥ 1 dose VAR ^{\$5}	No Insurance	74.1 (67.8-80.1)	78.1 (71.4-84.1)	74.9 (65.9-83.0)	81.4 (74.0-87.7)	70.3 (55.3-83.9)	1.0	(-3.3-5.3)	0.51	76.5 (68.5-83.8)	17.5	(9.7-25.3)	0.00
≥ 1 dose VAR ^{\$5}	MSA, Principal City	90.2 (88.8-91.6)	90.2 (88.8-91.5)	91.5 (90.2-92.7)	91.4 (90.0-92.7)	91.2 (89.6-92.7)	0.3	(-0.2-0.8)	0.12	91.3 (90.3-92.3)	ref	ref	ref
≥ 1 dose VAR ^{\$5}	MSA, Non-Principal City	90.8 (89.2-92.3)	89.8 (88.2-91.4)	91.6 (90.2-92.9)	91.0 (89.5-92.4)	92.0 (90.3-93.5)	0.3	(-0.4-1.1)	0.24	91.5 (90.4-92.5)	-0.1	(-1.6-1.3)	0.85
≥ 1 dose VAR ^{\$5}	Non-MSA	88.7 (86.5-90.7)	88.8 (85.8-91.4)	88.7 (86.3-90.8)	90.3 (88.3-92.1)	87.9 (82.9-92.0)	0.3	(-0.7-1.3)	0.38	89.2 (86.6-91.5)	2.1	(-0.6-4.7)	0.12
≥ 4 doses PCV	National / Overall	81.4 (79.9-82.9)	80.9 (79.6-82.2)	83.6 (82.5-84.6)	83.3 (82.1-84.4)	82.1 (80.4-83.8)	0.5	(-0.9-1.9)	0.33	82.7 (81.7-83.7)	NA**	NA**	NA**
≥ 4 doses PCV	White only, non-Hispanic	83.9 (82.3-85.5)	84.5 (83.1-85.9)	86.5 (85.2-87.7)	85.9 (84.4-87.3)	85.0 (82.8-87.0)	0.5	(-0.7-1.6)	0.30	85.4 (84.1-86.6)	ref	ref	ref
≥ 4 doses PCV	Black only, non-Hispanic	74.6 (69.9-79.0)	75.6 (71.9-79.1)	76.9 (73.2-80.4)	75.5 (71.5-79.3)	77.4 (73.0-81.5)	0.5	(-0.4-1.4)	0.17	76.3 (73.4-79.1)	9.1	(6.0-12.3)	0.00

Combined 7-vaccine series ^{¶¶¶}	American Indian or Alaska Native only, non-Hispanic	65.6 (52.0-78.7)	53.5 (37.8-70.8)	62.5 (50.7-74.4)	60.1 (49.0-71.5)	56.7 (44.6-69.5)	-1.4	(-5.7-3.0)	0.39	58.4 (49.9-67.1)	13.2	(4.4-22.0)	0.00
Combined 7-vaccine series ^{¶¶¶}	Asian only, non-Hispanic	67.5 (58.5-76.2)	75.9 (69.7-81.7)	73.5 (67.9-78.8)	78.0 (72.8-82.8)	72.7 (64.7-80.3)	1.2	(-3.1-5.5)	0.44	75.6 (71.0-80.1)	-4.1	(-8.8-0.7)	0.10
Combined 7-vaccine series ^{¶¶¶}	Native Hawaiian or other Pacific Islander only, non-Hispanic	72.7 (57.9-85.7)	77.8 (62.5-90.0)	59.2 (41.5-77.7)	65.2 (42.5-86.7)	59.6 (40.2-79.7)	-4.1	(-11-2.8)	0.15	62.7 (47.3-78.1)	8.9	(-7.0-24.9)	0.27
Combined 7-vaccine series ^{¶¶¶}	Multiple Race, non-Hispanic	72.5 (67.5-77.4)	70.4 (65.4-75.3)	66.7 (62.0-71.4)	71.5 (66.8-76.1)	68.1 (61.4-74.7)	-0.7	(-3.5-2.1)	0.48	69.9 (65.7-73.9)	1.7	(-2.7-6.1)	0.44
Combined 7-vaccine series ^{¶¶¶}	At or Above Poverty Level	73.0 (71.1-74.8)	73.8 (72.1-75.4)	74.6 (73.2-76.0)	74.1 (72.6-75.6)	72.3 (70.2-74.3)	0.0	(-1.2-1.1)	0.92	73.2 (72.0-74.4)	ref	ref	ref
Combined 7-vaccine series ^{¶¶¶}	Below Poverty Level	60.7 (57.0-64.5)	61.4 (58.2-64.7)	60.2 (57.1-63.2)	59.4 (56.0-62.8)	56.3 (51.5-61.1)	-1.0	(-2.2-0.2)	0.08	57.9 (55.0-60.8)	15.3	(12.2-18.5)	0.00
Combined 7-vaccine series ^{¶¶¶}	Private Insurance Only	76.6 (74.5-78.6)	76.8 (74.9-78.7)	78.4 (76.7-80.1)	77.3 (75.6-79.0)	75.8 (73.5-78.1)	0.0	(-1.3-1.2)	0.93	76.6 (75.1-78.0)	ref	ref	ref
Combined 7-vaccine series ^{¶¶¶}	Any Medicaid Insurance	64.7 (61.9-67.6)	65.3 (62.9-67.7)	64.4 (62.2-66.6)	65.3 (63.0-67.6)	61.8 (58.6-64.9)	-0.5	(-1.9-0.9)	0.36	63.6 (61.6-65.5)	13.0	(10.6-15.4)	0.00
Combined 7-vaccine series ^{¶¶¶}	Other Insurance ^{††}	68.1 (63.6-72.5)	66.0 (61.1-70.9)	67.3 (62.6-72.0)	64.2 (58.9-69.4)	68.7 (62.1-75.2)	-0.3	(-2.3-1.7)	0.68	66.2 (62.0-70.4)	10.4	(5.9-14.8)	0.00
Combined 7-vaccine series ^{¶¶¶}	No Insurance	50.2 (43.4-57.5)	51.4 (43.6-59.7)	44.5 (36.2-53.8)	45.0 (35.2-56.3)	39.3 (25.5-57.1)	-2.5	(-5.2-0.1)	0.06	42.5 (33.9-52.3)	34.1	(24.7-43.5)	0.00
Combined 7-vaccine series ^{¶¶¶}	MSA, Principal City	68.9 (66.3-71.5)	69.7 (67.6-71.8)	70.9 (68.9-72.9)	69.6 (67.4-71.7)	68.0 (65.1-70.8)	-0.1	(-1.5-1.2)	0.76	68.8 (67.0-70.6)	ref	ref	ref
Combined 7-vaccine series ^{¶¶¶}	MSA, Non-Principal City	71.3 (68.8-73.8)	70.1 (67.7-72.4)	70.7 (68.6-72.7)	71.5 (69.3-73.6)	69.7 (66.6-72.7)	-0.1	(-1.0-0.8)	0.78	70.6 (68.7-72.4)	-1.8	(-4.3-0.8)	0.17
Combined 7-vaccine series ^{¶¶¶}	Non-MSA	66.4 (62.5-70.3)	69.4 (65.9-72.8)	64.5 (60.9-68.1)	67.2 (63.7-70.7)	60.9 (55.5-66.3)	-1.0	(-4.1-2.1)	0.37	64.1 (60.9-67.4)	4.7	(1.0-8.4)	0.01
No vaccinations	National / Overall	1.5 (1.2-1.8)	1.1 (0.9-1.3)	0.9 (0.7-1.1)	1.0 (0.7-1.2)	1.0 (0.7-1.3)	-0.1	(-0.3-0.1)	0.19	1.0 (0.8-1.2)	NA**	NA**	NA**
No vaccinations	White only, non-Hispanic	1.5 (1.1-2.0)	1.1 (0.8-1.4)	1.0 (0.7-1.3)	1.0 (0.7-1.4)	1.0 (0.7-1.4)	-0.1	(-0.3-0.1)	0.27	1.0 (0.8-1.3)	ref	ref	ref
No vaccinations	Black only, non-Hispanic	1.0 (0.5-1.7)	1.2 (0.6-2.0)	1.2 (0.6-2.1)	1.3 (0.5-2.7)	0.9 (0.5-1.5)	0.0	(-)*	****	1.1 (0.6-1.9)	-0.1	(-0.7-0.5)	0.76
No vaccinations	Hispanic	1.4 (0.8-2.2)	1.0 (0.6-1.5)	0.8 (0.5-1.2)	0.7 (0.5-1.0)	1.1 (0.6-1.9)	-0.2	(-0.4-0.1)	0.09	0.9 (0.6-1.3)	0.1	(-0.3-0.6)	0.56
No vaccinations	American Indian or Alaska Native only, non-Hispanic	7.5 (2.2-17.1)	6.1 (2.8-11.3)	1.3 (0.3-3.7)	1.6 (0.3-5.1)	1.0 (0.2-3.3)	-1.4	(-5.7-3.0)	0.39	1.3 (0.4-3.2)	****	(-)*	****
No vaccinations	Asian only, non-Hispanic	0.6 (0.2-1.5)	0.9 (0.3-2.4)	0.1 (0.0-0.2)	0.6 (0.2-1.5)	1.9 (0.3-6.6)	1.2	(-3.1-5.5)	0.44	1.2 (0.3-3.4)	****	(-)*	****
No vaccinations	Native Hawaiian or other Pacific Islander only, non-Hispanic	9.1 (2.6-20.7)	5.5 (1.3-14.4)	2.4 (0.3-10.0)	1.7 (0.3-5.4)	3.1 (0.7-8.5)	-4.1	(-11-2.8)	0.15	2.4 (0.8-5.3)	****	(-)*	****
No vaccinations	Multiple Race, non-Hispanic	1.6 (0.9-2.8)	0.8 (0.4-1.4)	1.2 (0.5-2.4)	1.1 (0.4-2.5)	0.3 (0.1-0.7)	0.0	(-)*	****	0.6 (0.3-1.3)	****	(-)*	****
No vaccinations	At or Above Poverty Level	1.5 (1.1-1.9)	1.1 (0.8-1.4)	0.8 (0.6-1.1)	0.9 (0.7-1.1)	0.9 (0.6-1.2)	-0.1	(-0.3-0.1)	0.12	0.9 (0.7-1.1)	ref	ref	ref
No vaccinations	Below Poverty Level	1.4 (0.9-2.1)	1.0 (0.7-1.4)	1.1 (0.7-1.6)	1.3 (0.7-2.1)	1.4 (0.7-2.4)	0.0	(-0.5-0.5)	0.82	1.3 (0.8-2.0)	-0.4	(-1.0-0.1)	0.14
No vaccinations	Private Insurance Only	1.0 (0.7-1.4)	0.8 (0.6-1.1)	0.8 (0.6-1.2)	0.6 (0.4-0.8)	0.7 (0.5-1.0)	-0.1	(-0.2-0.0)	0.13	0.6 (0.5-0.8)	ref	ref	ref
No vaccinations	Any Medicaid Insurance	1.4 (1.0-2.0)	1.3 (0.9-1.7)	0.7 (0.5-1.0)	1.1 (0.7-1.6)	1.2 (0.8-1.9)	-0.1	(-0.5-0.4)	0.62	1.2 (0.8-1.5)	-0.5	(-0.9--0.2)	0.01
No vaccinations	Other Insurance ^{††}	2.6 (1.4-4.3)	0.9 (0.5-1.4)	1.2 (0.6-2.3)	0.8 (0.5-1.4)	0.7 (0.3-1.4)	-0.2	(-4.3-4.0)	0.72	0.8 (0.5-1.2)	-0.1	(-0.5-0.3)	0.50
No vaccinations	No Insurance	6.2 (3.7-9.5)	2.8 (1.6-4.6)	4.9 (2.1-9.5)	6.9 (3.2-12.5)	4.8 (2.1-9.2)	-3.3	(-)*	****	6.0 (3.4-9.5)	-5.3	(-8.4--2.3)	0.00
No vaccinations	MSA, Principal City	1.5 (1.1-2.0)	0.9 (0.6-1.2)	0.8 (0.6-1.1)	0.9 (0.6-1.2)	1.0 (0.6-1.7)	-0.1	(-0.4-0.2)	0.41	0.9 (0.7-1.3)	ref	ref	ref
No vaccinations	MSA, Non-Principal City	1.3 (0.9-1.8)	1.2 (0.8-1.6)	0.9 (0.6-1.2)	1.0 (0.6-1.5)	0.9 (0.6-1.3)	-0.1	(-0.2-0.0)	0.09	0.9 (0.7-1.2)	0.0	(-0.4-0.4)	0.96
No vaccinations	Non-MSA	2.3 (1.4-3.8)	1.5 (1.1-2.1)	1.6 (0.9-2.5)	1.1 (0.7-1.7)	1.6 (1.0-2.4)	-0.1	(-0.5-0.2)	0.33	1.3 (1.0-1.8)	-0.4	(-0.9-0.1)	0.14

Abbreviations: CI = confidence interval; DTaP = diphtheria and tetanus toxoids and acellular pertussis vaccine; HepA = hepatitis A vaccine; HepB = hepatitis B vaccine; Hib = Haemophilus influenzae type b conjugate vaccine; MMR = measles, mumps, and rubella vaccine; MSA = Metropolitan Statistical Area; NA = not applicable; PCV = pneumococcal conjugate vaccine; prelim = preliminary; ref = referent group; VAR = varicella vaccine.

* Includes vaccinations received by age 24 months (before the day the child turns 24 months), except for the HepB birth dose and rotavirus vaccination. For all vaccines other than the HepB birth dose and rotavirus vaccination, the Kaplan-Meier method was used to estimate vaccination coverage to account for children whose vaccination history was ascertained before age 24 months.

† Data for the 2016 birth year are from survey years 2017, 2018, and 2019; data for the 2017 birth year are from survey years 2018, 2019, and 2020; data for the 2018 birth year are from survey years 2019, 2020, and 2021; data for the 2019 birth year are from survey years 2020, 2021, and 2022; data for the 2020 birth year are considered preliminary and are from survey years 2021 and 2022 (2023 data are not yet available).

‡ Slope of line created by fitting a linear regression model to the coverage estimates from birth years 2016-2020.

¶ Includes children who may have been vaccinated with diphtheria and tetanus toxoids vaccine or diphtheria and tetanus toxoids and pertussis vaccine. Healthy People 2030 target for ≥4 doses of DTaP by age 2 years is 90% (<https://health.gov/healthypeople/objectives-and-data/browse-objectives/vaccination>).

** National estimates are not used in assessing disparities in coverage by sociodemographic characteristics (coverage in referent group - coverage in sociodemographic subgroup).

†† Children's health insurance status was reported by parent or guardian. "Other insurance" includes the Children's Health Insurance Program (CHIP), military insurance, coverage via the Indian Health Service, and any other type of health insurance not mentioned elsewhere.

‡‡ Includes children who may have been vaccinated with measles, mumps, rubella, and varicella combination vaccine.

¶¶ Hib Full Series: primary series and booster dose, which includes receipt of ≥3 or ≥4 doses, depending on product type received.

*** One dose HepB administered from birth through age 3 days.

††† Doses must be at least 24 days apart (four weeks with a four-day grace period); doses could have been received during two influenza seasons.

⁵⁵⁵ Includes ≥ 2 doses of Rotarix monovalent rotavirus vaccine (RV1), or ≥ 3 doses of RotaTeq pentavalent rotavirus vaccine (RV5). (If any dose in the series is either RotaTeq or unknown, defaults to 3-dose series.) The maximum age for the final rotavirus dose is 8 months, 0 days.

^{¶¶¶} The combined 7-vaccine series (4:3:1:3*:3:1:4) includes ≥ 4 doses of DTaP, ≥ 3 doses of poliovirus vaccine, ≥ 1 dose of measles-containing vaccine, the full series of Hib (≥ 3 or ≥ 4 doses, depending on product type), ≥ 3 doses of HepB, ≥ 1 dose of VAR, and ≥ 4 doses of PCV.

*** Estimate not available because the 95% CI half-width/estimate > 0.558 .