

SUPPLEMENTARY TABLE 3. Trends in estimated disparities* in vaccination coverage with selected vaccines and doses by age 24 months[†] among children born during 2016-2020[‡] by sociodemographic characteristics -- National Immunization Survey-Child, United States, 2017-2022

Vaccine / Dose	Sociodemographic Characteristic	2016	2017	2018	2019	2020 (prelim)	Average Annual Percentage Point Change [¶]		
		% (95% CI)	% (95% CI)	% (95% CI)	% (95% CI)	% (95% CI)	%	95% CI	P-value
≥ 4 doses DTaP**	White only, non-Hispanic	ref	ref	ref	ref	ref	ref	ref	ref
≥ 4 doses DTaP**	Black only, non-Hispanic	7.2 (2.9-11.5)	8.4 (4.5-12.3)	11.7 (7.7-15.8)	7.7 (3.5-11.9)	6.1 (1.3-10.8)	-0.3	(-2.7-2.2)	0.77
≥ 4 doses DTaP**	Hispanic	5.0 (0.9-9.2)	5.5 (2.1-8.8)	4.0 (1.3-6.8)	3.3 (0.1-6.5)	5.0 (0.3-9.8)	-0.3	(-1.3-0.7)	0.44
≥ 4 doses DTaP**	American Indian or Alaska Native only, non-Hispanic	11.4 (-1.4-24.1)	16.9 (2.4-31.5)	7.4 (-1.7-16.5)	11.5 (1.2-21.8)	10.2 (-0.4-20.8)	-0.7	(-4.4-3.1)	0.61
≥ 4 doses DTaP**	Asian only, non-Hispanic	4.4 (-4.5-13.2)	-5.3 (-9.0--1.6)	1.6 (-3.5-6.6)	-6.2 (-9.9--2.5)	-3.8 (-11-3.1)	-1.4	(-6.4-3.6)	0.44
≥ 4 doses DTaP**	Native Hawaiian or other Pacific Islander only, non-Hispanic	6.9 (-6.7-20.4)	2.4 (-11-15.7)	15.0 (-2.3-32.3)	3.5 (-14-21.0)	12.4 (-6.3-31.0)	1.2	(-4.6-7.1)	0.55
≥ 4 doses DTaP**	Multiple Race, non-Hispanic	1.3 (-3.3-5.9)	3.3 (-1.5-8.2)	4.6 (0.8-8.3)	2.6 (-2.0-7.2)	6.4 (-0.6-13.3)	0.9	(-0.7-2.4)	0.17
≥ 4 doses DTaP**	At or Above Poverty Level	ref	ref	ref	ref	ref	ref	ref	ref
≥ 4 doses DTaP**	Below Poverty Level	13.2 (9.2-17.3)	10.6 (7.4-13.8)	11.8 (8.8-14.7)	13.1 (9.7-16.5)	13.8 (8.8-18.7)	0.4	(-1.1-1.8)	0.47
≥ 4 doses DTaP**	Private Insurance Only	ref	ref	ref	ref	ref	ref	ref	ref
≥ 4 doses DTaP**	Any Medicaid Insurance	11.8 (8.8-14.9)	10.0 (7.3-12.6)	11.2 (9.0-13.4)	10.9 (8.4-13.4)	10.6 (7.1-14.1)	-0.1	(-1.0-0.7)	0.63
≥ 4 doses DTaP**	Other Insurance ^{††}	10.4 (6.0-14.9)	6.4 (2.3-10.4)	10.0 (5.7-14.3)	12.0 (6.7-17.3)	10.0 (3.8-16.2)	0.5	(-1.9-2.9)	0.55
≥ 4 doses DTaP**	No Insurance	23.8 (16.8-30.8)	18.2 (11.0-25.4)	33.9 (24.6-43.1)	24.4 (13.9-34.9)	27.9 (11.6-44.2)	1.6	(-5.2-8.4)	0.51
≥ 4 doses DTaP**	MSA, Principal City	ref	ref	ref	ref	ref	ref	ref	ref
≥ 4 doses DTaP**	MSA, Non-Principal City	-2.2 (-5.5-1.0)	0.0 (-2.7-2.6)	-0.2 (-2.5-2.1)	-2.0 (-4.7-0.7)	-1.2 (-4.9-2.5)	0.0	(-1.3-1.2)	0.95
≥ 4 doses DTaP**	Non-MSA	2.6 (-1.3-6.4)	3.6 (-0.1-7.3)	6.2 (2.6-9.8)	2.2 (-1.2-5.6)	4.5 (-1.1-10.1)	0.2	(-1.8-2.2)	0.76
≥ 3 doses Polio	White only, non-Hispanic	ref	ref	ref	ref	ref	ref	ref	ref
≥ 3 doses Polio	Black only, non-Hispanic	2.1 (-1.7-6.0)	3.5 (0.8-6.3)	4.1 (1.3-6.8)	3.5 (1.0-6.1)	0.3 (-2.3-2.9)	-0.5	(-2.2-1.2)	0.44
≥ 3 doses Polio	Hispanic	2.0 (-0.3-4.3)	2.6 (0.3-5.0)	0.9 (-0.8-2.5)	2.3 (0.2-4.3)	0.6 (-1.6-2.8)	-0.3	(-1.2-0.6)	0.36
≥ 3 doses Polio	American Indian or Alaska Native only, non-Hispanic	8.9 (-0.7-18.4)	12.2 (-0.5-24.9)	5.3 (-1.4-12.0)	2.2 (-2.7-7.1)	3.8 (-3.6-11.2)	-2.0	(-4.7-0.8)	0.11
≥ 3 doses Polio	Asian only, non-Hispanic	1.0 (-2.9-5.0)	-1.6 (-4.3-1.1)	-2.3 (-4.4--0.2)	-2.3 (-4.3--0.3)	2.5 (-4.4-9.4)	-0.2	(-2.6-2.3)	0.83
≥ 3 doses Polio	Native Hawaiian or other Pacific Islander only, non-Hispanic	9.1 (-2.2-20.3)	4.7 (-5.2-14.6)	2.7 (-5.4-10.7)	-2.6 (-7.6-2.4)	9.3 (-6.9-25.6)	-1.8	(-7.7-4.2)	0.42
≥ 3 doses Polio	Multiple Race, non-Hispanic	2.0 (-1.5-5.6)	3.0 (-1.2-7.2)	0.8 (-1.6-3.1)	1.1 (-1.8-4.0)	4.0 (-1.5-9.5)	0.1	(-1.5-1.6)	0.91
≥ 3 doses Polio	At or Above Poverty Level	ref	ref	ref	ref	ref	ref	ref	ref
≥ 3 doses Polio	Below Poverty Level	4.7 (2.1-7.3)	5.1 (2.8-7.5)	6.0 (4.0-8.0)	6.2 (3.9-8.4)	4.4 (1.7-7.1)	0.1	(-0.9-1.0)	0.83
≥ 3 doses Polio	Private Insurance Only	ref	ref	ref	ref	ref	ref	ref	ref
≥ 3 doses Polio	Any Medicaid Insurance	5.9 (3.9-7.8)	5.2 (3.3-7.1)	4.0 (2.6-5.3)	5.5 (4.0-7.1)	3.1 (1.0-5.1)	-0.5	(-1.5-0.6)	0.24
≥ 3 doses Polio	Other Insurance ^{††}	3.8 (1.5-6.2)	4.0 (1.0-7.1)	4.0 (1.0-6.9)	5.4 (2.1-8.7)	2.4 (-1.4-6.3)	-0.1	(-1.2-1.0)	0.84
≥ 3 doses Polio	No Insurance	12.8 (7.8-17.9)	12.3 (6.9-17.8)	11.0 (5.4-16.6)	13.5 (6.6-20.5)	17.9 (3.3-32.6)	0.7	(-1.5-2.9)	0.39
≥ 3 doses Polio	MSA, Principal City	ref	ref	ref	ref	ref	ref	ref	ref
≥ 3 doses Polio	MSA, Non-Principal City	-1.4 (-3.4-0.6)	0.9 (-1.0-2.9)	-0.1 (-1.6-1.3)	0.5 (-1.2-2.2)	-1.1 (-3.0-0.9)	0.0	(-1.1-1.2)	0.95
≥ 3 doses Polio	Non-MSA	0.9 (-1.5-3.3)	-0.1 (-2.2-2.0)	1.8 (-0.3-3.9)	1.5 (-0.6-3.6)	3.4 (-1.4-8.1)	0.6	(-0.4-1.6)	0.15

≥ 1 dose MMR ^{§§}	White only, non-Hispanic	ref	ref	ref	ref	ref	ref	ref	ref
≥ 1 dose MMR ^{§§}	Black only, non-Hispanic	-0.3 (-3.6-3.0)	4.1 (1.2-7.0)	5.8 (2.7-8.9)	4.3 (1.4-7.3)	3.4 (-0.2-7.0)	0.8 (-1.5-3.1)	0.36	
≥ 1 dose MMR ^{§§}	Hispanic	-1.4 (-3.6-0.8)	4.5 (1.7-7.4)	3.0 (1.0-5.1)	2.8 (0.6-5.1)	0.1 (-2.6-2.7)	0.3 (-2.5-3.0)	0.78	
≥ 1 dose MMR ^{§§}	American Indian or Alaska Native only, non-Hispanic	4.2 (-4.5-12.9)	11.0 (-0.4-22.3)	2.8 (-2.8-8.5)	4.3 (-1.3-10.0)	3.1 (-3.7-9.9)	-0.7 (-3.9-2.4)	0.51	
≥ 1 dose MMR ^{§§}	Asian only, non-Hispanic	-3.2 (-6.4-0.0)	0.4 (-2.8-3.5)	-1.7 (-4.4-1.0)	-2.4 (-4.6--0.3)	0.4 (-5.0-5.8)	0.3 (-1.6-2.1)	0.68	
≥ 1 dose MMR ^{§§}	Native Hawaiian or other Pacific Islander only, non-Hispanic	9.2 (-3.1-21.6)	5.3 (-4.8-15.4)	8.2 (-5.2-21.5)	4.5 (-11-20.5)	11.3 (-6.6-29.1)	0.2 (-2.9-3.4)	0.82	
≥ 1 dose MMR ^{§§}	Multiple Race, non-Hispanic	-1.5 (-5.2-2.1)	2.3 (-1.9-6.5)	1.3 (-1.0-3.7)	2.1 (-0.6-4.9)	2.4 (-3.5-8.3)	0.8 (-0.5-2.2)	0.14	
≥ 1 dose MMR ^{§§}	At or Above Poverty Level	ref	ref	ref	ref	ref	ref	ref	
≥ 1 dose MMR ^{§§}	Below Poverty Level	3.7 (1.2-6.2)	5.9 (3.4-8.5)	5.6 (3.4-7.9)	5.2 (2.8-7.6)	2.2 (-0.7-5.1)	-0.3 (-2.0-1.4)	0.58	
≥ 1 dose MMR ^{§§}	Private Insurance Only	ref	ref	ref	ref	ref	ref	ref	
≥ 1 dose MMR ^{§§}	Any Medicaid Insurance	3.6 (1.5-5.6)	4.8 (2.7-6.9)	4.9 (3.3-6.4)	6.2 (4.6-7.9)	3.7 (1.5-6.0)	0.2 (-1.0-1.5)	0.60	
≥ 1 dose MMR ^{§§}	Other Insurance ^{††}	3.5 (0.7-6.4)	3.8 (-0.6-8.2)	4.2 (1.1-7.3)	6.5 (2.5-10.5)	5.1 (0.6-9.7)	0.6 (-0.2-1.4)	0.11	
≥ 1 dose MMR ^{§§}	No Insurance	18.2 (11.9-24.5)	10.7 (5.3-16.2)	16.6 (8.4-24.8)	12.0 (5.0-19.0)	22.6 (8.2-37.1)	0.3 (-5.2-5.8)	0.86	
≥ 1 dose MMR ^{§§}	MSA, Principal City	ref	ref	ref	ref	ref	ref	ref	
≥ 1 dose MMR ^{§§}	MSA, Non-Principal City	-1.0 (-3.1-1.1)	1.3 (-0.8-3.5)	-0.2 (-1.9-1.4)	0.1 (-1.7-1.9)	-1.6 (-3.8-0.6)	-0.2 (-1.5-1.0)	0.60	
≥ 1 dose MMR ^{§§}	Non-MSA	1.3 (-1.2-3.8)	1.8 (-1.3-4.8)	2.8 (0.4-5.3)	1.8 (-0.5-4.1)	2.5 (-2.4-7.4)	0.2 (-0.4-0.9)	0.33	
Hib-Full Series ^{¶¶}	White only, non-Hispanic	ref	ref	ref	ref	ref	ref	ref	
Hib-Full Series ^{¶¶}	Black only, non-Hispanic	5.5 (1.2-9.8)	7.6 (3.6-11.6)	10.7 (6.5-15.0)	8.4 (4.2-12.5)	7.0 (2.0-12.1)	0.4 (-1.7-2.6)	0.57	
Hib-Full Series ^{¶¶}	Hispanic	3.1 (-1.0-7.1)	7.3 (3.6-10.9)	3.3 (0.3-6.3)	2.8 (-0.3-6.0)	1.6 (-3.0-6.2)	-0.8 (-2.9-1.4)	0.35	
Hib-Full Series ^{¶¶}	American Indian or Alaska Native only, non-Hispanic	4.7 (-7.0-16.3)	12.6 (-1.9-27.0)	6.6 (-3.3-16.6)	12.1 (1.7-22.4)	12.1 (-0.9-25.2)	1.6 (-1.8-4.9)	0.24	
Hib-Full Series ^{¶¶}	Asian only, non-Hispanic	0.3 (-7.4-7.9)	-2.5 (-8.1-3.1)	-2.0 (-7.0-3.1)	-1.7 (-6.6-3.1)	-2.9 (-11-4.6)	-0.5 (-1.5-0.6)	0.24	
Hib-Full Series ^{¶¶}	Native Hawaiian or other Pacific Islander only, non-Hispanic	4.2 (-9.2-17.6)	3.1 (-11-17.0)	12.0 (-5.3-29.3)	10.9 (-13-34.6)	4.1 (-14-22.0)	0.8 (-3.7-5.3)	0.61	
Hib-Full Series ^{¶¶}	Multiple Race, non-Hispanic	0.8 (-4.0-5.5)	2.1 (-2.7-7.0)	5.9 (1.4-10.4)	0.6 (-3.6-4.8)	1.1 (-5.7-7.9)	-0.1 (-2.8-2.7)	0.96	
Hib-Full Series ^{¶¶}	At or Above Poverty Level	ref	ref	ref	ref	ref	ref	ref	
Hib-Full Series ^{¶¶}	Below Poverty Level	11.3 (7.3-15.4)	12.2 (8.8-15.6)	12.3 (9.2-15.5)	11.6 (8.2-14.9)	13.6 (8.6-18.6)	0.3 (-0.5-1.1)	0.28	
Hib-Full Series ^{¶¶}	Private Insurance Only	ref	ref	ref	ref	ref	ref	ref	
Hib-Full Series ^{¶¶}	Any Medicaid Insurance	9.4 (6.3-12.5)	10.1 (7.3-13.0)	11.9 (9.5-14.3)	9.1 (6.6-11.5)	9.5 (6.0-13.0)	-0.1 (-1.6-1.4)	0.85	
Hib-Full Series ^{¶¶}	Other Insurance ^{††}	7.2 (2.8-11.6)	5.7 (1.2-10.1)	10.1 (5.6-14.5)	10.3 (5.1-15.6)	4.8 (-1.0-10.5)	0.1 (-2.8-3.0)	0.94	
Hib-Full Series ^{¶¶}	No Insurance	27.2 (20.0-34.4)	21.1 (13.4-28.8)	31.2 (22.0-40.5)	20.0 (10.2-29.7)	25.8 (9.6-42.0)	-0.5 (-6.2-5.1)	0.79	
Hib-Full Series ^{¶¶}	MSA, Principal City	ref	ref	ref	ref	ref	ref	ref	
Hib-Full Series ^{¶¶}	MSA, Non-Principal City	-2.7 (-5.8-0.4)	1.2 (-1.7-4.1)	0.8 (-1.7-3.3)	-0.3 (-3.0-2.3)	0.3 (-3.4-3.9)	0.4 (-1.2-2.1)	0.47	
Hib-Full Series ^{¶¶}	Non-MSA	3.3 (-1.3-7.9)	0.1 (-3.6-3.9)	4.1 (0.4-7.8)	-0.6 (-3.8-2.6)	7.0 (1.2-12.8)	0.4 (-3.2-4.0)	0.75	

HepB birth dose***	White only, non-Hispanic	ref	ref	ref	ref	ref	ref	ref	ref
HepB birth dose***	Black only, non-Hispanic	-3.8 (-8.4-0.8)	0.5 (-3.5-4.5)	1.5 (-2.9-5.9)	0.8 (-3.1-4.7)	3.7 (-0.8-8.2)	1.5	(-0.1-3.0)	0.05
HepB birth dose***	Hispanic	-3.3 (-7.4-0.7)	-5.2 (-8.4--2.0)	-1.8 (-5.0-1.3)	-3.3 (-6.2--0.4)	1.3 (-2.8-5.3)	1.1	(-1.0-3.1)	0.19
HepB birth dose***	American Indian or Alaska Native only, non-Hispanic	-3.4 (-14-7.3)	22.2 (4.0-40.5)	-4.3 (-13-4.0)	-0.5 (-9.2-8.3)	3.6 (-7.5-14.7)	-0.1	(-11-10.7)	0.99
HepB birth dose***	Asian only, non-Hispanic	1.2 (-7.7-10.0)	-2.8 (-9.5-4.0)	-6.0 (-11--1.3)	-5.5 (-9.5--1.6)	2.4 (-5.4-10.2)	-0.2	(-5.0-4.6)	0.92
HepB birth dose***	Native Hawaiian or other Pacific Islander only, non-Hispanic	-2.6 (-17-12.2)	-13 (-23--2.0)	-0.4 (-18-17.0)	0.6 (-17-18.5)	-5.8 (-16-4.5)	0.7	(-5.3-6.6)	0.74
HepB birth dose***	Multiple Race, non-Hispanic	-3.1 (-9.2-3.0)	0.1 (-5.1-5.3)	-1.6 (-5.7-2.6)	-5.5 (-8.8--2.2)	-2.9 (-7.1-1.4)	-0.6	(-3.0-1.7)	0.45
HepB birth dose***	At or Above Poverty Level	ref	ref	ref	ref	ref	ref	ref	ref
HepB birth dose***	Below Poverty Level	-1.1 (-5.0-2.8)	-2.7 (-5.7-0.3)	2.6 (-0.6-5.7)	-1.8 (-4.6-1.0)	2.1 (-1.7-6.0)	0.7	(-2.0-3.4)	0.47
HepB birth dose***	Private Insurance Only	ref	ref	ref	ref	ref	ref	ref	ref
HepB birth dose***	Any Medicaid Insurance	1.1 (-2.2-4.4)	-0.8 (-3.5-2.0)	2.0 (-0.6-4.6)	0.6 (-1.8-2.9)	2.3 (-0.6-5.3)	0.4	(-0.9-1.7)	0.42
HepB birth dose***	Other Insurance ^{††}	6.9 (1.9-11.9)	2.3 (-2.5-7.2)	5.2 (0.6-9.8)	3.8 (-0.4-8.0)	13.3 (6.0-20.5)	1.0	(-3.2-5.3)	0.49
HepB birth dose***	No Insurance	9.8 (3.0-16.7)	2.1 (-5.4-9.6)	6.1 (-1.8-13.9)	14.1 (3.9-24.4)	25.6 (8.6-42.5)	3.3	(-3.9-10.6)	0.24
HepB birth dose***	MSA, Principal City	ref	ref	ref	ref	ref	ref	ref	ref
HepB birth dose***	MSA, Non-Principal City	-3.3 (-6.7-0.0)	-2.9 (-5.7--0.2)	-1.9 (-4.5-0.8)	-0.7 (-3.2-1.7)	0.0 (-3.2-3.3)	0.9	(0.7-1.1)	0.00
HepB birth dose***	Non-MSA	-5.1 (-8.8--1.4)	-0.6 (-4.5-3.3)	-1.5 (-5.4-2.3)	0.8 (-2.6-4.2)	0.2 (-4.6-5.0)	1.3	(-0.3-2.9)	0.09
≥ 3 doses HepB	White only, non-Hispanic	ref	ref	ref	ref	ref	ref	ref	ref
≥ 3 doses HepB	Black only, non-Hispanic	2.0 (-2.1-6.0)	0.5 (-1.8-2.9)	3.4 (0.6-6.2)	3.2 (0.5-5.8)	-0.6 (-3.2-1.9)	-0.3	(-2.4-1.8)	0.71
≥ 3 doses HepB	Hispanic	1.6 (-1.0-4.1)	2.0 (-0.4-4.5)	2.2 (0.1-4.3)	0.8 (-1.1-2.6)	1.5 (-1.3-4.3)	-0.2	(-0.8-0.5)	0.48
≥ 3 doses HepB	American Indian or Alaska Native only, non-Hispanic	4.6 (-3.7-12.8)	15.7 (1.6-29.7)	4.7 (-2.5-12.0)	0.5 (-4.2-5.3)	-0.2 (-5.4-5.0)	-2.2	(-6.7-2.3)	0.22
≥ 3 doses HepB	Asian only, non-Hispanic	0.8 (-2.6-4.1)	0.2 (-3.1-3.5)	-2.9 (-5.1--0.8)	-2.1 (-4.5-0.2)	1.3 (-3.9-6.4)	-0.4	(-2.7-1.9)	0.63
≥ 3 doses HepB	Native Hawaiian or other Pacific Islander only, non-Hispanic	5.7 (-4.8-16.2)	0.5 (-7.1-8.0)	0.2 (-7.6-7.9)	-5.1 (-7.6--2.6)	13.1 (-5.0-31.3)	-1.5	(-9.4-6.5)	0.60
≥ 3 doses HepB	Multiple Race, non-Hispanic	0.3 (-3.1-3.8)	1.8 (-2.3-6.0)	0.0 (-2.2-2.2)	1.3 (-1.6-4.2)	5.2 (-0.6-11.0)	0.7	(-1.1-2.6)	0.29
≥ 3 doses HepB	At or Above Poverty Level	ref	ref	ref	ref	ref	ref	ref	ref
≥ 3 doses HepB	Below Poverty Level	2.6 (0.0-5.1)	4.0 (1.8-6.1)	4.9 (2.7-7.1)	3.8 (1.7-5.9)	3.4 (0.3-6.6)	0.2	(-0.8-1.2)	0.63
≥ 3 doses HepB	Private Insurance Only	ref	ref	ref	ref	ref	ref	ref	ref
≥ 3 doses HepB	Any Medicaid Insurance	3.7 (1.6-5.8)	3.0 (1.1-4.9)	2.8 (1.2-4.4)	3.4 (2.0-4.9)	1.3 (-0.9-3.6)	-0.4	(-1.2-0.4)	0.23
≥ 3 doses HepB	Other Insurance ^{††}	1.7 (-0.7-4.2)	3.6 (0.5-6.7)	2.5 (-0.4-5.4)	4.7 (1.3-8.0)	1.0 (-3.0-5.0)	0.1	(-1.6-1.7)	0.90
≥ 3 doses HepB	No Insurance	10.2 (5.3-15.1)	8.4 (3.3-13.5)	9.8 (3.9-15.7)	14.3 (6.8-21.9)	21.5 (6.6-36.5)	2.2	(-1.2-5.6)	0.13
≥ 3 doses HepB	MSA, Principal City	ref	ref	ref	ref	ref	ref	ref	ref
≥ 3 doses HepB	MSA, Non-Principal City	-1.9 (-4.0-0.3)	-0.5 (-2.5-1.5)	-0.7 (-2.4-1.0)	1.4 (-0.2-2.9)	-0.3 (-2.4-1.9)	0.5	(-0.5-1.6)	0.20
≥ 3 doses HepB	Non-MSA	-0.8 (-3.3-1.7)	-1.8 (-3.9-0.2)	-0.4 (-2.5-1.7)	3.1 (0.7-5.6)	4.7 (-0.3-9.7)	1.5	(-0.1-3.2)	0.06
≥ 1 dose VAR ^{§§}	White only, non-Hispanic	ref	ref	ref	ref	ref	ref	ref	ref
≥ 1 dose VAR ^{§§}	Black only, non-Hispanic	-1.4 (-4.6-1.9)	1.8 (-0.9-4.6)	5.0 (1.9-8.0)	2.8 (-0.1-5.7)	1.0 (-2.1-4.1)	0.5	(-2.0-3.1)	0.54
≥ 1 dose VAR ^{§§}	Hispanic	-2.7 (-4.9--0.5)	2.7 (0.0-5.5)	4.0 (1.7-6.3)	2.9 (0.5-5.3)	-0.2 (-2.9-2.4)	0.6	(-2.4-3.7)	0.56
≥ 1 dose VAR ^{§§}	American Indian or Alaska Native only, non-Hispanic	6.0 (-4.2-16.2)	5.8 (-4.2-15.9)	3.5 (-2.8-9.8)	3.4 (-2.3-9.0)	7.4 (-1.3-16.0)	0.0	(-2.2-2.2)	0.99
≥ 1 dose VAR ^{§§}	Asian only, non-Hispanic	-2.9 (-6.3-0.5)	-2.5 (-5.4-0.4)	-1.0 (-4.2-2.2)	-2.8 (-5.2--0.4)	0.2 (-5.2-5.7)	0.5	(-0.8-1.7)	0.34

≥ 1 dose VAR ^{§§}	Native Hawaiian or other Pacific Islander only, non-Hispanic	6.5 (-5.5-18.4)	1.6 (-7.4-10.6)	0.1 (-6.2-6.4)	2.5 (-13-18.4)	5.4 (-10-21.1)	-0.3	(-3.8-3.3)	0.83
≥ 1 dose VAR ^{§§}	Multiple Race, non-Hispanic	-1.7 (-5.4-2.1)	1.6 (-2.7-5.9)	3.0 (-0.3-6.2)	2.3 (-1.2-5.9)	3.3 (-2.6-9.3)	1.1	(-0.2-2.5)	0.07
≥ 1 dose VAR ^{§§}	At or Above Poverty Level	ref	ref	ref	ref	ref	ref	ref	ref
≥ 1 dose VAR ^{§§}	Below Poverty Level	3.6 (1.1-6.2)	5.1 (2.6-7.5)	4.9 (2.6-7.3)	5.2 (2.6-7.7)	1.7 (-1.1-4.6)	-0.3	(-1.9-1.2)	0.54
≥ 1 dose VAR ^{§§}	Private Insurance Only	ref	ref	ref	ref	ref	ref	ref	ref
≥ 1 dose VAR ^{§§}	Any Medicaid Insurance	3.1 (1.1-5.2)	3.6 (1.5-5.7)	4.0 (2.3-5.7)	6.4 (4.6-8.2)	2.6 (0.4-4.8)	0.2	(-1.5-1.9)	0.69
≥ 1 dose VAR ^{§§}	Other Insurance ^{††}	5.0 (1.9-8.1)	2.7 (-0.5-5.9)	4.2 (0.9-7.4)	6.7 (2.6-10.8)	6.2 (1.3-11.1)	0.6	(-1.0-2.2)	0.31
≥ 1 dose VAR ^{§§}	No Insurance	18.6 (12.3-24.9)	14.1 (7.6-20.7)	19.0 (10.3-27.7)	13.4 (6.5-20.4)	22.9 (8.1-37.7)	0.2	(-4.1-4.5)	0.90
≥ 1 dose VAR ^{§§}	MSA, Principal City	ref	ref	ref	ref	ref	ref	ref	ref
≥ 1 dose VAR ^{§§}	MSA, Non-Principal City	-0.6 (-2.7-1.5)	0.4 (-1.8-2.5)	-0.1 (-2.0-1.7)	0.4 (-1.6-2.4)	-0.8 (-3.0-1.4)	0.0	(-0.7-0.6)	0.90
≥ 1 dose VAR ^{§§}	Non-MSA	1.5 (-1.0-4.0)	1.4 (-1.7-4.5)	2.8 (0.2-5.4)	1.0 (-1.3-3.4)	3.3 (-1.5-8.1)	0.2	(-0.8-1.3)	0.56
≥ 4 doses PCV	White only, non-Hispanic	ref	ref	ref	ref	ref	ref	ref	ref
≥ 4 doses PCV	Black only, non-Hispanic	9.4 (4.5-14.2)	8.9 (5.0-12.8)	9.6 (5.8-13.5)	10.4 (6.2-14.5)	7.6 (2.8-12.4)	-0.2	(-1.4-1.0)	0.66
≥ 4 doses PCV	Hispanic	2.9 (-1.0-6.9)	7.5 (3.9-11.0)	3.9 (1.2-6.6)	4.2 (1.2-7.1)	4.6 (0.1-9.1)	0.0	(-2.1-2.1)	0.96
≥ 4 doses PCV	American Indian or Alaska Native only, non-Hispanic	13.7 (0.5-26.9)	18.0 (3.4-32.6)	10.7 (0.9-20.6)	10.8 (1.2-20.3)	10.7 (0.0-21.3)	-1.3	(-3.9-1.4)	0.22
≥ 4 doses PCV	Asian only, non-Hispanic	3.5 (-3.8-10.8)	-0.4 (-6.3-5.5)	1.6 (-3.0-6.2)	-2.9 (-6.6-0.7)	1.9 (-6.2-9.9)	-0.8	(-3.8-2.2)	0.44
≥ 4 doses PCV	Native Hawaiian or other Pacific Islander only, non-Hispanic	5.9 (-7.3-19.2)	2.9 (-9.7-15.5)	15.2 (-3.2-33.5)	5.4 (-12-22.7)	19.4 (-0.3-39.1)	2.8	(-3.3-9.0)	0.24
≥ 4 doses PCV	Multiple Race, non-Hispanic	3.1 (-1.7-7.9)	4.1 (-0.8-9.0)	3.9 (0.1-7.6)	0.8 (-2.9-4.5)	3.7 (-2.7-10.1)	-0.3	(-2.0-1.3)	0.57
≥ 4 doses PCV	At or Above Poverty Level	ref	ref	ref	ref	ref	ref	ref	ref
≥ 4 doses PCV	Below Poverty Level	13.0 (9.0-17.0)	10.1 (6.9-13.3)	12.7 (9.8-15.6)	12.8 (9.6-16.0)	14.4 (9.6-19.2)	0.6	(-1.0-2.2)	0.34
≥ 4 doses PCV	Private Insurance Only	ref	ref	ref	ref	ref	ref	ref	ref
≥ 4 doses PCV	Any Medicaid Insurance	11.4 (8.3-14.4)	10.9 (8.2-13.6)	11.6 (9.5-13.8)	11.2 (8.9-13.6)	11.3 (7.9-14.6)	0.0	(-0.3-0.4)	0.85
≥ 4 doses PCV	Other Insurance ^{††}	9.3 (4.9-13.7)	7.8 (3.2-12.4)	9.5 (5.4-13.6)	11.0 (6.2-15.8)	9.0 (3.3-14.6)	0.3	(-1.0-1.6)	0.54
≥ 4 doses PCV	No Insurance	23.2 (16.3-30.1)	24.4 (16.7-32.1)	30.2 (21.0-39.4)	27.9 (17.4-38.3)	41.9 (25.6-58.2)	3.6	(-0.4-7.7)	0.06
≥ 4 doses PCV	MSA, Principal City	ref	ref	ref	ref	ref	ref	ref	ref
≥ 4 doses PCV	MSA, Non-Principal City	-2.8 (-5.9-0.3)	-0.5 (-3.3-2.3)	-0.8 (-3.0-1.5)	-1.0 (-3.5-1.5)	-1.8 (-5.4-1.7)	0.2	(-0.9-1.2)	0.65
≥ 4 doses PCV	Non-MSA	2.5 (-2.0-7.0)	0.9 (-2.7-4.6)	4.9 (1.5-8.3)	2.0 (-1.3-5.3)	7.0 (1.2-12.8)	0.9	(-1.5-3.3)	0.33
≥ 1 dose HepA	White only, non-Hispanic	ref	ref	ref	ref	ref	ref	ref	ref
≥ 1 dose HepA	Black only, non-Hispanic	1.3 (-3.4-5.9)	2.2 (-1.3-5.6)	4.7 (0.9-8.4)	3.9 (0.7-7.1)	0.5 (-3.2-4.2)	0.0	(-2.1-2.1)	0.99
≥ 1 dose HepA	Hispanic	-3.2 (-6.0--0.5)	0.3 (-2.5-3.1)	-0.7 (-3.0-1.7)	2.0 (-0.6-4.6)	-0.1 (-3.1-2.9)	0.8	(-0.9-2.5)	0.22
≥ 1 dose HepA	American Indian or Alaska Native only, non-Hispanic	3.5 (-6.6-13.7)	11.5 (-2.8-25.7)	1.5 (-5.9-9.0)	3.2 (-3.6-10.0)	6.2 (-3.2-15.5)	-0.1	(-4.3-4.0)	0.93
≥ 1 dose HepA	Asian only, non-Hispanic	-5.9 (-10--1.5)	-1.4 (-5.8-2.9)	-3.9 (-7.5--0.3)	-3.0 (-5.9--0.1)	-0.6 (-6.1-4.8)	0.8	(-1.0-2.6)	0.25
≥ 1 dose HepA	Native Hawaiian or other Pacific Islander only, non-Hispanic	3.2 (-9.2-15.6)	2.4 (-10-14.9)	2.9 (-7.1-12.9)	2.8 (-14-19.1)	8.5 (-9.4-26.4)	1.0	(-1.1-3.1)	0.24
≥ 1 dose HepA	Multiple Race, non-Hispanic	0.1 (-5.4-5.7)	0.5 (-4.2-5.2)	0.9 (-2.3-4.1)	2.3 (-1.1-5.7)	2.5 (-4.0-9.0)	0.7	(0.3-1.1)	0.01
≥ 1 dose HepA	At or Above Poverty Level	ref	ref	ref	ref	ref	ref	ref	ref
≥ 1 dose HepA	Below Poverty Level	2.8 (-0.2-5.8)	4.2 (1.6-6.8)	7.0 (4.3-9.8)	5.5 (2.8-8.2)	2.8 (-0.4-6.1)	0.2	(-2.0-2.3)	0.82

≥ 1 dose HepA	Private Insurance Only	ref	ref	ref	ref	ref	ref	ref	ref
≥ 1 dose HepA	Any Medicaid Insurance	4.5 (1.8-7.1)	2.8 (0.5-5.2)	4.6 (2.6-6.6)	6.1 (4.1-8.0)	3.1 (0.6-5.6)	0.1 (-1.5-1.7)	0.83	
≥ 1 dose HepA	Other Insurance ^{††}	5.9 (2.1-9.8)	-0.3 (-3.7-3.2)	4.6 (1.0-8.1)	5.8 (1.7-10.0)	4.7 (-0.2-9.7)	0.4 (-2.7-3.5)	0.70	
≥ 1 dose HepA	No Insurance	18.8 (12.2-25.4)	15.8 (8.7-23.0)	19.4 (10.7-28.1)	15.0 (5.6-24.5)	24.6 (9.4-39.9)	0.6 (-3.1-4.4)	0.63	
≥ 1 dose HepA	MSA, Principal City	ref	ref	ref	ref	ref	ref	ref	
≥ 1 dose HepA	MSA, Non-Principal City	0.6 (-2.0-3.2)	0.0 (-2.4-2.3)	0.9 (-1.2-3.0)	0.4 (-1.7-2.5)	-0.6 (-3.1-1.9)	-0.2 (-0.8-0.4)	0.41	
≥ 1 dose HepA	Non-MSA	6.0 (1.8-10.1)	2.0 (-1.4-5.3)	5.2 (2.1-8.4)	4.9 (2.0-7.8)	4.0 (-1.0-9.0)	0.0 (-2.0-1.9)	0.98	
≥ 2 doses HepA	White only, non-Hispanic	ref	ref	ref	ref	ref	ref	ref	
≥ 2 doses HepA	Black only, non-Hispanic	7.0 (1.8-12.2)	6.0 (1.3-10.6)	4.0 (-0.9-8.9)	2.5 (-2.4-7.4)	9.9 (4.2-15.7)	0.1 (-3.1-3.4)	0.90	
≥ 2 doses HepA	Hispanic	-5.7 (-10--1.0)	0.0 (-4.1-4.1)	-0.6 (-4.4-3.2)	-0.6 (-4.5-3.3)	3.1 (-2.4-8.5)	1.6 (-0.4-3.7)	0.09	
≥ 2 doses HepA	American Indian or Alaska Native only, non-Hispanic	4.3 (-13-21.9)	4.6 (-14-23.3)	0.3 (-14-14.3)	4.6 (-7.8-17.1)	8.4 (-4.7-21.4)	0.9 (-2.1-4.0)	0.39	
≥ 2 doses HepA	Asian only, non-Hispanic	-5.5 (-15-4.2)	-8.6 (-16--1.3)	-3.1 (-9.0-2.8)	-6.4 (-13--0.3)	0.6 (-7.5-8.8)	1.4 (-2.0-4.8)	0.27	
≥ 2 doses HepA	Native Hawaiian or other Pacific Islander only, non-Hispanic	-3.9 (-24-16.4)	-8.4 (-32-15.0)	-2.8 (-22-16.9)	-18 (-43-7.4)	(-) ^{†††}	-3.4 (-16-8.9)	0.36	
≥ 2 doses HepA	Multiple Race, non-Hispanic	4.8 (-1.9-11.6)	1.0 (-4.7-6.7)	2.1 (-3.0-7.1)	1.1 (-4.4-6.6)	2.9 (-4.4-10.2)	-0.4 (-2.1-1.4)	0.53	
≥ 2 doses HepA	At or Above Poverty Level	ref	ref	ref	ref	ref	ref	ref	
≥ 2 doses HepA	Below Poverty Level	1.8 (-2.7-6.3)	3.9 (0.2-7.7)	6.0 (2.4-9.6)	10.3 (6.4-14.2)	8.7 (3.5-14.0)	2.1 (0.5-3.7)	0.02	
≥ 2 doses HepA	Private Insurance Only	ref	ref	ref	ref	ref	ref	ref	
≥ 2 doses HepA	Any Medicaid Insurance	4.8 (0.9-8.6)	1.9 (-1.4-5.1)	2.2 (-0.9-5.2)	7.0 (3.9-10.1)	7.4 (3.3-11.5)	1.1 (-1.4-3.6)	0.26	
≥ 2 doses HepA	Other Insurance ^{††}	2.9 (-2.4-8.3)	0.6 (-4.9-6.1)	5.3 (-0.3-10.8)	7.7 (2.2-13.3)	8.2 (0.0-16.3)	1.8 (-0.2-3.8)	0.07	
≥ 2 doses HepA	No Insurance	17.1 (10.1-24.0)	11.9 (3.6-20.1)	28.5 (21.5-35.5)	8.6 (-4.5-21.8)	23.8 (7.7-40.0)	1.2 (-8.8-11.2)	0.73	
≥ 2 doses HepA	MSA, Principal City	ref	ref	ref	ref	ref	ref	ref	
≥ 2 doses HepA	MSA, Non-Principal City	-1.6 (-5.5-2.2)	0.8 (-2.5-4.2)	1.8 (-1.4-4.9)	0.0 (-3.2-3.3)	0.6 (-3.7-4.9)	0.4 (-1.0-1.7)	0.48	
≥ 2 doses HepA	Non-MSA	5.2 (0.6-9.7)	3.6 (-0.7-7.9)	6.3 (2.1-10.5)	1.4 (-3.0-5.9)	0.2 (-6.1-6.5)	-1.1 (-3.2-1.0)	0.18	
≥ 2 doses Influenza ^{§§§}	White only, non-Hispanic	ref	ref	ref	ref	ref	ref	ref	
≥ 2 doses Influenza ^{§§§}	Black only, non-Hispanic	17.3 (12.2-22.5)	18.5 (14.0-23.0)	20.1 (15.3-24.8)	22.1 (17.4-26.8)	19.0 (13.4-24.7)	0.8 (-0.9-2.4)	0.25	
≥ 2 doses Influenza ^{§§§}	Hispanic	7.4 (2.9-11.9)	8.0 (4.0-11.9)	7.0 (3.4-10.6)	7.9 (4.2-11.6)	9.4 (4.1-14.6)	0.4 (-0.5-1.2)	0.26	
≥ 2 doses Influenza ^{§§§}	American Indian or Alaska Native only, non-Hispanic	2.4 (-12-16.9)	14.8 (-3.1-32.7)	18.3 (4.7-31.9)	22.2 (10.2-34.1)	6.9 (-5.7-19.5)	1.6 (-7.6-10.8)	0.62	
≥ 2 doses Influenza ^{§§§}	Asian only, non-Hispanic	-9.8 (-18--1.5)	-8.6 (-15--2.2)	-9.4 (-15--4.1)	-7.9 (-13--2.8)	-9.5 (-17--1.7)	0.2 (-0.8-1.1)	0.60	
≥ 2 doses Influenza ^{§§§}	Native Hawaiian or other Pacific Islander only, non-Hispanic	22.1 (1.7-42.5)	1.0 (-20-21.5)	20.4 (2.1-38.7)	10.9 (-16-37.6)	5.5 (-17-28.0)	-2.3 (-13-7.9)	0.52	
≥ 2 doses Influenza ^{§§§}	Multiple Race, non-Hispanic	7.1 (0.2-14.0)	7.3 (1.5-13.0)	8.0 (3.1-12.8)	6.2 (1.1-11.3)	8.9 (2.1-15.8)	0.2 (-1.0-1.4)	0.62	
≥ 2 doses Influenza ^{§§§}	At or Above Poverty Level	ref	ref	ref	ref	ref	ref	ref	
≥ 2 doses Influenza ^{§§§}	Below Poverty Level	15.4 (11.1-19.6)	19.0 (15.4-22.7)	20.0 (16.5-23.4)	20.0 (16.3-23.8)	23.8 (18.9-28.8)	1.7 (0.5-3.0)	0.02	
≥ 2 doses Influenza ^{§§§}	Private Insurance Only	ref	ref	ref	ref	ref	ref	ref	
≥ 2 doses Influenza ^{§§§}	Any Medicaid Insurance	21.6 (18.0-25.1)	21.4 (18.2-24.5)	25.3 (22.5-28.1)	24.4 (21.5-27.3)	28.1 (24.2-31.9)	1.6 (0.1-3.0)	0.04	
≥ 2 doses Influenza ^{§§§}	Other Insurance ^{††}	17.3 (12.1-22.6)	12.0 (6.5-17.4)	17.3 (11.8-22.7)	13.0 (7.6-18.4)	15.9 (8.4-23.4)	-0.3 (-3.3-2.7)	0.78	
≥ 2 doses Influenza ^{§§§}	No Insurance	31.2 (23.9-38.4)	36.2 (28.7-43.8)	37.7 (28.8-46.6)	39.1 (28.8-49.4)	36.3 (19.9-52.6)	1.7 (-0.9-4.2)	0.13	

≥ 2 doses Influenza ^{§§§}	MSA, Principal City	ref	ref	ref	ref	ref	ref	ref	ref
≥ 2 doses Influenza ^{§§§}	MSA, Non-Principal City	-3.1 (-6.7-0.6)	0.8 (-2.4-4.1)	0.3 (-2.7-3.3)	-1.3 (-4.4-1.8)	-2.3 (-6.4-1.9)	0.0 (-2.0-1.9)	0.95	
≥ 2 doses Influenza ^{§§§}	Non-MSA	10.9 (6.3-15.4)	10.8 (6.6-15.1)	17.3 (13.2-21.4)	15.7 (11.4-20.0)	17.3 (11.6-23.1)	1.8 (-0.4-4.0)	0.08	
Rotavirus ^{¶¶¶}	White only, non-Hispanic	ref	ref	ref	ref	ref	ref	ref	ref
Rotavirus ^{¶¶¶}	Black only, non-Hispanic	14.1 (9.2-19.1)	14.0 (9.7-18.4)	12.2 (7.8-16.6)	12.0 (7.7-16.3)	3.7 (-0.9-8.4)	-2.3 (-5.1-0.5)	0.08	
Rotavirus ^{¶¶¶}	Hispanic	5.8 (1.5-10.1)	7.4 (3.8-11.0)	2.7 (-0.4-5.9)	5.6 (2.3-8.9)	2.3 (-2.2-6.7)	-0.9 (-3.0-1.3)	0.29	
Rotavirus ^{¶¶¶}	American Indian or Alaska Native only, non-Hispanic	13.7 (0.3-27.2)	40.6 (25.6-55.7)	9.1 (-1.3-19.6)	11.1 (1.0-21.2)	8.7 (-2.8-20.2)	-3.7 (-17-9.3)	0.43	
Rotavirus ^{¶¶¶}	Asian only, non-Hispanic	2.6 (-4.2-9.4)	-4.0 (-9.6-1.6)	0.7 (-4.0-5.5)	-1.5 (-6.2-3.2)	-4.7 (-11-1.9)	-1.1 (-4.1-1.9)	0.33	
Rotavirus ^{¶¶¶}	Native Hawaiian or other Pacific Islander only, non-Hispanic	9.4 (-5.8-24.6)	22.0 (-1.0-45.0)	9.1 (-7.2-25.3)	7.8 (-18-33.8)	13.7 (-7.5-34.8)	-0.2 (-6.5-6.1)	0.93	
Rotavirus ^{¶¶¶}	Multiple Race, non-Hispanic	5.0 (-0.5-10.5)	3.5 (-1.7-8.7)	2.1 (-2.0-6.3)	4.2 (-0.1-8.5)	3.9 (-2.6-10.4)	-0.1 (-1.5-1.2)	0.75	
Rotavirus ^{¶¶¶}	At or Above Poverty Level	ref	ref	ref	ref	ref	ref	ref	ref
Rotavirus ^{¶¶¶}	Below Poverty Level	15.6 (11.5-19.7)	14.6 (11.2-18.0)	12.4 (9.2-15.6)	13.8 (10.3-17.2)	15.2 (10.6-19.7)	-0.2 (-1.7-1.3)	0.70	
Rotavirus ^{¶¶¶}	Private Insurance Only	ref	ref	ref	ref	ref	ref	ref	ref
Rotavirus ^{¶¶¶}	Any Medicaid Insurance	16.7 (13.4-20.0)	17.1 (14.3-19.9)	14.6 (12.1-17.0)	13.8 (11.2-16.4)	12.0 (8.7-15.3)	-1.3 (-2.1--0.5)	0.01	
Rotavirus ^{¶¶¶}	Other Insurance ^{††}	9.7 (5.4-14.0)	9.4 (5.1-13.8)	14.8 (9.8-19.8)	10.2 (5.4-15.1)	12.4 (5.0-19.9)	0.7 (-1.8-3.1)	0.46	
Rotavirus ^{¶¶¶}	No Insurance	20.3 (13.4-27.2)	31.5 (23.3-39.7)	22.9 (14.2-31.7)	20.5 (10.5-30.5)	46.7 (32.8-60.6)	3.4 (-6.6-13.4)	0.36	
Rotavirus ^{¶¶¶}	MSA, Principal City	ref	ref	ref	ref	ref	ref	ref	ref
Rotavirus ^{¶¶¶}	MSA, Non-Principal City	-3.1 (-6.4-0.3)	-0.7 (-3.7-2.2)	1.2 (-1.4-3.8)	-3.0 (-5.7--0.3)	1.6 (-1.9-5.1)	0.6 (-1.8-3.1)	0.47	
Rotavirus ^{¶¶¶}	Non-MSA	3.8 (-0.8-8.4)	3.5 (-0.4-7.3)	6.0 (2.3-9.8)	0.7 (-2.9-4.2)	6.4 (0.6-12.2)	0.1 (-2.9-3.0)	0.96	
Combined 7-vaccine series ^{****}	White only, non-Hispanic	ref	ref	ref	ref	ref	ref	ref	ref
Combined 7-vaccine series ^{****}	Black only, non-Hispanic	7.4 (2.2-12.6)	8.8 (4.4-13.1)	13.4 (8.8-18.0)	8.9 (4.3-13.5)	7.8 (2.2-13.3)	0.1 (-2.8-3.0)	0.92	
Combined 7-vaccine series ^{****}	Hispanic	2.4 (-2.1-6.9)	8.7 (4.7-12.6)	5.9 (2.5-9.4)	4.0 (0.4-7.7)	5.8 (0.6-11.1)	0.1 (-2.7-3.0)	0.89	
Combined 7-vaccine series ^{****}	American Indian or Alaska Native only, non-Hispanic	5.9 (-8.0-19.7)	20.2 (3.1-37.2)	11.8 (-0.3-24.0)	12.2 (0.6-23.8)	14.1 (1.2-27.0)	1.0 (-4.3-6.3)	0.59	
Combined 7-vaccine series ^{****}	Asian only, non-Hispanic	4.0 (-5.2-13.1)	-2.3 (-8.6-3.9)	0.9 (-4.8-6.6)	-5.7 (-11--0.4)	-1.9 (-10-6.3)	-1.5 (-5.1-2.0)	0.26	
Combined 7-vaccine series ^{****}	Native Hawaiian or other Pacific Islander only, non-Hispanic	-1.3 (-16-13.3)	-4.2 (-19-10.2)	15.1 (-3.7-34.0)	7.1 (-17-30.9)	11.3 (-9.6-32.2)	3.8 (-3.0-10.7)	0.17	
Combined 7-vaccine series ^{****}	Multiple Race, non-Hispanic	-1.1 (-6.5-4.3)	3.2 (-2.0-8.5)	7.6 (2.7-12.6)	0.8 (-4.2-5.8)	2.7 (-4.4-9.9)	0.6 (-3.4-4.5)	0.69	
Combined 7-vaccine series ^{****}	At or Above Poverty Level	ref	ref	ref	ref	ref	ref	ref	ref
Combined 7-vaccine series ^{****}	Below Poverty Level	12.2 (8.0-16.4)	12.4 (8.7-16.0)	14.5 (11.1-17.8)	14.7 (11.0-18.4)	16.0 (10.8-21.2)	1.0 (0.4-1.6)	0.01	
Combined 7-vaccine series ^{****}	Private Insurance Only	ref	ref	ref	ref	ref	ref	ref	ref
Combined 7-vaccine series ^{****}	Any Medicaid Insurance	11.8 (8.3-15.4)	11.5 (8.4-14.6)	14.0 (11.2-16.8)	12.0 (9.2-14.9)	14.1 (10.1-18.0)	0.5 (-0.8-1.7)	0.31	
Combined 7-vaccine series ^{****}	Other Insurance ^{††}	8.5 (3.6-13.4)	10.8 (5.5-16.1)	11.1 (6.1-16.1)	13.2 (7.6-18.7)	7.1 (0.1-14.1)	0.1 (-2.6-2.8)	0.89	
Combined 7-vaccine series ^{****}	No Insurance	26.3 (18.9-33.7)	25.4 (17.1-33.7)	33.9 (24.9-42.9)	32.3 (21.5-43.1)	36.5 (20.4-52.7)	2.7 (-0.1-5.5)	0.05	
Combined 7-vaccine series ^{****}	MSA, Principal City	ref	ref	ref	ref	ref	ref	ref	ref
Combined 7-vaccine series ^{****}	MSA, Non-Principal City	-2.4 (-6.0-1.2)	-0.4 (-3.5-2.8)	0.3 (-2.6-3.1)	-1.9 (-4.9-1.2)	-1.7 (-5.9-2.5)	0.0 (-1.4-1.4)	0.96	
Combined 7-vaccine series ^{****}	Non-MSA	2.5 (-2.2-7.2)	0.3 (-3.7-4.4)	6.4 (2.3-10.5)	2.4 (-1.7-6.5)	7.1 (1.0-13.2)	1.1 (-1.8-4.0)	0.33	

No vaccinations	White only, non-Hispanic	ref	ref	ref	ref	ref	ref	ref	ref
No vaccinations	Black only, non-Hispanic	(-) ^{†††}	(-) ^{†††}	(-) ^{†††}	(-) ^{†††}	0.1 (-0.5-0.7)	0.0	(-) ^{†††}	
No vaccinations	Hispanic	0.1 (-0.7-1.0)	0.1 (-0.4-0.7)	0.2 (-0.3-0.7)	0.3 (-0.1-0.7)	(-) ^{†††}	0.1	(0.0-0.2)	0.09
No vaccinations	American Indian or Alaska Native only, non-Hispanic	(-) ^{†††}	(-) ^{†††}	(-) ^{†††}	(-) ^{†††}	(-) ^{†††}	1.0	(-4.3-6.3)	0.59
No vaccinations	Asian only, non-Hispanic	(-) ^{†††}	(-) ^{†††}	(-) ^{†††}	(-) ^{†††}	(-) ^{†††}	-1.5	(-5.1-2.0)	0.26
No vaccinations	Native Hawaiian or other Pacific Islander only, non-Hispanic	(-) ^{†††}	(-) ^{†††}	(-) ^{†††}	(-) ^{†††}	(-) ^{†††}	3.8	(-3.0-10.7)	0.17
No vaccinations	Multiple Race, non-Hispanic	-0.1 (-1.1-0.9)	(-) ^{†††}	(-) ^{†††}	(-) ^{†††}	(-) ^{†††}	0.0	(-) ^{†††}	
No vaccinations	At or Above Poverty Level	ref	ref	ref	ref	ref	ref	ref	ref
No vaccinations	Below Poverty Level	0.1 (-0.6-0.8)	0.1 (-0.4-0.6)	-0.2 (-0.7-0.3)	-0.4 (-1.1-0.4)	(-) ^{†††}	-0.2	(-0.4-0.1)	0.09
No vaccinations	Private Insurance Only	ref	ref	ref	ref	ref	ref	ref	ref
No vaccinations	Any Medicaid Insurance	-0.4 (-1.0-0.2)	-0.5 (-1.0-0.0)	0.1 (-0.2-0.5)	-0.5 (-1.0--0.1)	-0.5 (-1.1-0.1)	0.0	(-0.4-0.4)	0.84
No vaccinations	Other Insurance ^{††}	-1.6 (-3.0--0.1)	-0.1 (-0.6-0.4)	(-) ^{†††}	-0.3 (-0.8-0.2)	(-) ^{†††}	0.2	(-4.7-5.1)	0.69
No vaccinations	No Insurance	-5.2 (-8.1--2.2)	-2.1 (-3.5--0.6)	(-) ^{†††}	(-) ^{†††}	(-) ^{†††}	3.1	(-) ^{†††}	
No vaccinations	MSA, Principal City	ref	ref	ref	ref	ref	ref	ref	ref
No vaccinations	MSA, Non-Principal City	0.2 (-0.4-0.8)	-0.3 (-0.8-0.2)	-0.1 (-0.5-0.3)	-0.1 (-0.6-0.4)	0.1 (-0.5-0.8)	0.0	(-0.2-0.3)	0.87
No vaccinations	Non-MSA	-0.9 (-2.1-0.4)	-0.6 (-1.2--0.1)	-0.8 (-1.6-0.1)	-0.2 (-0.8-0.3)	-0.5 (-1.4-0.3)	0.1	(-0.1-0.3)	0.23

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.

NA: Estimate not available because the 95% CI half-width/estimate >0.558

* Disparities are calculated as (coverage in referent group - coverage in sociodemographic subgroup).

[†] 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 difference in coverage estimates (referent group - sociodemographic subgroup) 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>).

^{††} 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.

^{†††} Estimate not available because the 95% CI half-width/estimate > 0.558.

^{§§§} 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.

^{¶¶¶} 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.