

Estimated Vaccination Coverage¹ with Individual Vaccines and Selected Vaccination Series Among Children Aged 19-35 Months² by Poverty Level³ and Race/Ethnicity⁴ – National Immunization Survey (NIS), United States, 2014

Vaccine		Total	White only,	Black only,	Hispanic	American Indian or	Asian only, non-	Native Hawaiian or	Multiple Race, non-Hispanic
			non-Hispanic	non-Hispanic		Alaska Native only, non-Hispanic	Hispanic	other Pacific Islander only, non-Hispanic	
3+DTaP	US National	94.7±0.7	94.7±0.9	93.2±2.1	95.2±1.6	93.8±6.8	95.8±3.3	96.4±4.5	95.0±3.0
	At or Above Poverty	95.9±0.7	95.4±1.0	96.1±2.4	96.6±1.5	99.3±0.9	99.4±0.5	97.9±3.8	94.9±4.0
	Below Poverty	93.1±1.5	92.9±2.1	91.3±3.4	94.7±2.6	NA	NA	NA	94.5±4.4
	Unknown Poverty	91.9±4.0	91.9±5.2	NA	91.8±7.7	NA	NA	NA	NA
4+DTaP	US National	84.2±1.2	85.5±1.3	79.1±3.8	85.4±2.6	NA	87.4±4.9	NA	79.6±5.6
	At or Above Poverty	87.4±1.2	87.6±1.4	86.2±4.6	88.4±2.9	88.8±8.7	92.0±3.8	NA	82.7±1.0
	Below Poverty	79.1±2.5	77.9±3.7	73.8±5.9	84.0±4.1	NA	NA	NA	72.3±9.7
	Unknown Poverty	80.1±6.3	84.1±7.0	NA	NA	NA	NA	NA	NA
3+Polio	US National	93.3±0.8	93.3±0.9	92.0±2.3	93.8±1.9	93.8±6.8	93.2±4.0	93.8±7.5	94.0±3.1
	At or Above Poverty	94.5±0.8	93.9±1.1	94.6±2.7	95.3±1.7	99.3±0.9	98.4±1.3	94.5±8.8	94.1±4.1
	Below Poverty	92.0±1.6	91.6±2.2	90.7±3.5	93.9±2.6	NA	NA	NA	93.1±4.7
	Unknown Poverty	88.2±5.6	90.0±5.8	NA	NA	NA	NA	NA	NA
1+MMR	US National	91.5±0.9	91.2±1.1	90.3±3.0	91.9±2.0	96.5±3.7	95.7±2.4	95.7±4.7	90.5±4.5
	At or Above Poverty	92.8±0.9	92.6±1.0	92.8±3.3	92.9±2.3	98.5±2.0	98.1±1.5	96.3±5.0	88.9±6.3
	Below Poverty	89.5±1.9	85.3±3.4	89.1±4.9	91.8±3.1	93.4±8.4	90.5±7.8	93.2±9.5	93.4±4.4
	Unknown Poverty	89.4±4.6	93.6±4.0	NA	87.2±9.2	NA	NA	NA	NA
3+Hib	US National	92.6±0.8	92.6±1.0	91.0±2.4	93.6±1.9	91.3±7.4	91.4±4.5	95.8±4.9	93.6±3.1
	At or Above Poverty	94.4±0.8	93.5±1.1	94.6±2.7	96.0±1.5	95.5±6.8	98.6±1.1	97.9±3.8	93.8±4.2
	Below Poverty	90.1±1.8	89.9±2.7	88.0±3.7	92.1±3.2	NA	NA	NA	93.1±4.7
	Unknown Poverty	88.8±4.6	88.2±6.2	NA	91.7±7.7	NA	NA	NA	NA
Hib-PS**	US National	93.3±0.8	93.4±1.0	91.7±2.3	94.0±1.9	93.6±6.7	91.9±4.5	97.3±3.8	94.5±3.0
	At or Above Poverty	95.0±0.8	94.3±1.1	94.9±2.6	96.3±1.5	95.5±6.8	99.3±0.5	97.9±3.8	94.7±4.1
	Below Poverty	90.9±1.8	90.8±2.6	89.4±3.6	92.4±3.2	NA	NA	94.8±9.9	94.2±4.4
	Unknown Poverty	89.2±4.6	88.7±6.1	NA	92.6±7.5	NA	NA	NA	NA
Hib-FS††	US National	82.0±1.3	83.8±1.4	75.2±4.1	82.8±2.9	83.8±8.8	83.1±5.3	NA	78.7±5.5
	At or Above Poverty	85.5±1.3	86.3±1.5	80.8±6.0	87.1±2.9	87.9±9.0	89.5±4.5	NA	78.6±7.3
	Below Poverty	76.3±2.6	74.2±3.9	70.7±5.9	80.0±4.6	NA	NA	NA	79.6±7.0
	Unknown Poverty	78.1±6.6	83.5±7.1	NA	NA	NA	NA	NA	NA
3+HepB	US National	91.6±0.9	90.7±1.1	92.3±2.1	91.9±2.1	98.5±1.4	92.9±3.9	95.2±5.3	92.9±3.4
	At or Above Poverty	92.0±1.0	90.7±1.3	94.4±2.6	93.1±2.4	99.3±1.0	97.2±1.7	97.2±3.3	91.8±4.8
	Below Poverty	91.3±1.7	91.2±2.2	91.6±3.1	91.6±3.2	97.3±3.1	NA	NA	94.5±4.1
	Unknown Poverty	87.8±4.6	87.7±6.4	NA	86.9±9.1	NA	NA	NA	NA
Hep B Birth dose ^{§§}	US National	72.4±1.5	70.5±1.8	72.5±4.8	74.8±3.7	NA	73.3±6.1	NA	75.2±5.9
	At or Above Poverty	71.6±1.8	70.3±2.0	68.5±7.6	75.1±4.4	NA	77.2±6.3	NA	73.0±7.8
	Below Poverty	73.7±3.1	71.4±4.3	75.4±6.5	73.6±5.9	NA	NA	NA	78.6±8.3
	Unknown Poverty	74.4±6.2	NA	NA	80.8±9.7	NA	NA	NA	NA
1+Var ^{¶¶}	US National	91.0±0.9	90.3±1.1	90.1±3.0	92.1±2.0	95.7±4.1	95.3±2.6	94.9±5.3	90.0±4.6
	At or Above Poverty	91.9±1.1	91.6±1.2	90.4±5.5	93.3±2.2	96.7±4.1	97.0±2.4	95.2±6.2	88.2±6.5
	Below Poverty	89.9±1.8	84.7±3.4	91.2±3.0	91.9±3.1	93.7±8.4	93.3±6.8	93.2±9.5	93.2±4.4
	Unknown Poverty	88.4±4.6	92.0±4.4	NA	87.8±9.1	NA	NA	NA	NA
3+PCV	US National	92.6±0.8	92.5±1.1	91.7±2.2	93.7±1.8	90.2±8.9	90.1±4.6	96.3±4.5	93.3±3.4
	At or Above Poverty	94.0±0.9	93.4±1.2	94.7±2.6	95.6±1.6	NA	96.7±2.4	97.8±3.8	92.5±4.7
	Below Poverty	90.9±1.7	90.1±2.6	89.7±3.4	92.7±2.9	NA	NA	NA	94.3±4.4
	Unknown Poverty	87.9±4.7	86.2±6.9	NA	91.2±7.7	NA	NA	NA	NA
4+PCV	US National	82.9±1.3	84.5±1.5	78.0±2.0	83.2±2.9	NA	80.9±5.7	93.1±6.6	82.1±5.2
	At or Above Poverty	86.9±1.3	87.3±1.5	83.4±5.9	88.1±2.8	NA	89.2±4.8	95.1±6.2	83.3±6.8
	Below Poverty	76.9±2.7	74.2±4.5	73.8±5.8	80.9±4.7	NA	NA	NA	79.3±8.3
	Unknown Poverty	76.0±6.7	81.2±7.7	NA	NA	NA	NA	NA	NA
1+HepA	US National	85.1±1.1	82.3±1.4	87.7±2.6	87.7±2.7	94.2±4.3	90.1±4.4	90.4±9.8	84.3±4.9
	At or Above Poverty	85.6±1.3	83.7±1.6	87.7±4.1	88.7±2.8	98.3±1.5	94.0±3.2	NA	82.6±6.8
	Below Poverty	83.9±2.3	76.1±3.9	87.3±3.5	87.3±4.3	88.6±9.9	NA	NA	86.5±5.9
	Unknown Poverty	87.6±4.5	86.2±6.1	NA	85.7±9.4	NA	NA	NA	NA
2+HepA	US National	57.5±1.6	55.4±1.9	56.7±4.5	61.6±3.9	NA	67.7±6.5	NA	53.7±6.3
	At or Above Poverty	59.2±1.9	57.1±2.2	58.4±7.1	64.8±5.0	NA	71.7±7.1	NA	57.0±8.1
	Below Poverty	54.0±3.1	47.1±4.5	55.4±6.3	58.9±5.9	NA	NA	NA	48.3±9.6
	Unknown Poverty	60.5±7.3	NA	NA	NA	NA	NA	NA	NA
Rotavirus***	US National	71.7±1.6	74.8±1.7	61.6±4.7	71.3±3.9	NA	72.4±6.8	NA	73.9±5.2
	At or Above Poverty	76.9±1.7	78.6±1.7	67.8±7.2	77.0±5.1	NA	78.7±7.8	NA	77.3±6.3
	Below Poverty	62.8±3.1	60.4±4.7	56.2±6.5	67.9±5.7	NA	NA	NA	63.8±9.6
	Unknown Poverty	68.3±7.9	NA	NA	NA	NA	NA	NA	NA
Combined 3-vaccine series†††	US National	82.6±1.2	83.4±1.4	78.1±3.9	84.1±2.7	NA	85.5±5.2	NA	78.8±5.6
	At or Above Poverty	85.7±1.3	85.5±1.5	85.5±4.6	86.8±3.0	88.8±8.7	91.2±4.0	NA	81.1±7.1
	Below Poverty	77.8±2.5	75.0±3.9	72.7±6.0	83.5±4.1	NA	NA	NA	72.1±9.7
	Unknown Poverty	77.4±6.6	83.9±7.0	NA	NA	NA	NA	NA	NA
Combined 4-vaccine series ^{§§§}	US National	77.7±1.3	79.2±1.5	70.3±4.3	79.7±3.0	NA	79.7±5.7	NA	73.3±5.9
	At or Above Poverty	81.5±1.4	81.7±1.6	76.9±6.4	83.5±3.3	85.5±9.3	88.1±4.6	NA	75.9±7.4
	Below Poverty	71.4±2.7	68.7±4.1	64.8±6.1	77.7±4.7	NA	NA	NA	67.7±9.7
	Unknown Poverty	73.6±6.9	81.9±7.3	NA	NA	NA	NA	NA	NA
Combined 5-vaccine series ^{¶¶¶}	US National	75.7±1.4	76.5±1.6	69.4±4.3	77.9±3.1	NA	78.4±5.8	NA	71.2±6.0
	At or Above Poverty	79.0±1.5	78.7±1.7	76.0±6.5	81.7±3.5	85.2±9.3	86.3±4.9	NA	73.0±7.6
	Below Poverty	70.3±2.8	67.4±4.1	64.1±6.2	76.3±4.8	NA	NA	NA	67.2±9.7
	Unknown Poverty	71.6±7.0	81.0±7.4	NA	NA	NA	NA	NA	NA
Combined 6-vaccine series ^{¶¶¶¶}	US National	74.6±1.4	75.5±1.6	67.5±4.5	77.3±3.1	NA	76.8±6.0	NA	70.3±6.0
	At or Above Poverty	77.9±1.6	77.8±1.7	73.3±7.3	81.2±3.6	83.4±9.7	84.5±5.3	NA	71.7±7.6
	Below Poverty	69.5±2.8	65.9±4.1	63.6±6.2	75.6±4.8	NA	NA	NA	66.9±9.7
	Unknown Poverty	69.7±7.1	79.9±7.5	NA	NA	NA	NA	NA	NA
Combined 7-vaccine series ^{¶¶¶¶¶}	US National	71.6±1.5	72.6±1.8	65.4±4.5	74.3±3.3	NA	69.5±6.5	NA	68.5±6.0
	At or Above Poverty	75.4±1.6	75.4±1.8	71.0±7.3	79.4±3.7	NA	78.4±6.4	NA	70.0±7.6
	Below Poverty	65.7±2.9	61.2±4.7	61.5±6.2	71.8±5.1	NA	NA	NA	65.8±9.7
	Unknown Poverty	65.8±7.3	76.3±8.3	NA	NA	NA	NA	NA	NA

Abbreviations: DTaP = diphtheria, tetanus toxoids, and acellular pertussis vaccine (includes children who might have been vaccinated with diphtheria and tetanus toxoids vaccine, or diphtheria, tetanus toxoids, and pertussis vaccine); Polio = poliovirus vaccine; MMR = measles, mumps, and rubella vaccine; Hib = *Haemophilus influenzae* type b vaccine; HepB = hepatitis B vaccine; Var = varicella vaccine; PCV = pneumococcal conjugate vaccine; HepA = hepatitis A vaccine.

¹ Estimates presented as point estimate (%) ± 95% Confidence Interval (CI). 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.

² Children in the 2014 NIS were born January 2011 through May 2013.

³ Poverty status was based on 2013 U.S. Census poverty thresholds (available at <http://www.census.gov/hhes/www/poverty.html>).

⁴ Reported by parent/guardian respondent. Children categorized as white, black, American Indian/Alaska Native, Asian, Native Hawaiian/other Pacific Islander, or multiracial were identified as non-Hispanic by the parent or guardian. Children identified as multiracial had more than one race category selected. Children of Hispanic ethnicity may be of any race.

⁵ Primary series of Hib (≥2 or ≥3 doses, depending on product type).

⁶ Full series of Hib (≥3 or ≥4 doses, depending on product type).

⁷ HepB administered from birth through age 3 days.

⁸ ≥1 dose of Var on or after child's first birthday, unadjusted for history of varicella disease (by parent/guardian report or provider records).

⁹ Rotavirus vaccine includes ≥2 or ≥3 doses, depending on product type received (≥2 doses for Rotarix® [RV1] or ≥3 doses for RotaTeq® [RV5]).

¹⁰ The combined 3-vaccine series (4:3:1) includes ≥4 doses of DTaP, ≥3 doses of Polio, and ≥1 dose of measles-containing vaccine.

¹¹ The combined 4-vaccine series (4:3:1:3) includes ≥4 doses of DTaP, ≥3 doses of Polio, ≥1 dose of measles-containing vaccine, and Hib full series. (In 2013 data, referred to as 4:3:1:4:3-FS)

¹² The combined 5-vaccine series (4:3:1:3:3) includes ≥4 doses of DTaP, ≥3 doses of Polio, ≥1 dose of measles-containing vaccine, Hib full series, and ≥3 doses of HepB. (In 2013 data, referred to as 4:3:1:4:3:3-FS)

¹³ The combined 6-vaccine series (4:3:1:3:3:1) includes ≥4 doses of DTaP, ≥3 doses of Polio, ≥1 dose of measles-containing vaccine, Hib full series, ≥3 HepB, and ≥1 Var. (In 2013 data, referred to as 4:3:1:4:3:1-FS)

¹⁴ The combined 7-vaccine series (4:3:1:3:3:1:4) includes ≥4 doses of DTaP, ≥3 doses of Polio, ≥1 dose of measles-containing vaccine, Hib full series, ≥3 HepB, ≥1 Var, and ≥4 PCV. (In 2013 data, referred to as 4:3:1:4:3:1:4-FS)