



Appendix 1 - Percentage of Children, 19-35 Months of Age, Who Have Been Vaccinated, by Selected Characteristics: Selected Years, 1994-2014

1994 1995 1997 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014

Combined series (4:3:1:3) ¹	69	74	76	78	76	77	78	81	83	82	82	82	80	73	79	82	80	81	-
Combined series (4:3:1:3*) ²	-	-	-	-	-	-	-	-	-	-	-	-	-	-	62	75	76	77	78
Race and Hispanic Origin																			
White, non-Hispanic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	63	76	77	79	79
Black, non-Hispanic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	61	70	73	69	70
Hispanic ³	-	-	-	-	-	-	-	-	-	-	-	-	-	-	61	76	75	77	80
Asian, non-Hispanic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	65	81	80	79	80
American Indian or Alaska Native, non-Hispanic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	70	69	82	75	-
Poverty Status																			
Below Poverty	-	-	-	-	-	-	-	-	-	-	-	-	-	-	58	70	72	71	71
At or Above Poverty	-	-	-	-	-	-	-	-	-	-	-	-	-	-	64	78	79	80	82
Location of Residence⁴																			
Central City	-	-	-	-	-	-	-	-	-	-	-	-	-	-	62	77	76	76	77
Remaining Areas inside MSA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	63	75	77	79	78
Outside MSA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	60	74	75	76	78



1994 1995 1997 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014

Combined series (4:3:1:3:3:1)⁵	-	-	-	-	-	-	66	73	76	76	77	77	76	70	75	77	76	78	-
Combined series (4:3:1:3*:3:1)⁶	-	-	-	-	-	-	-	-	-	-	-	-	-	-	59	71	72	74	75
Race and Hispanic Origin																			
White, non-Hispanic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	59	71	72	75	76
Black, non-Hispanic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	58	66	68	68	68
Hispanic ³	-	-	-	-	-	-	-	-	-	-	-	-	-	-	58	72	71	74	77
Asian, non-Hispanic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	63	77	78	77	77
American Indian or Alaska Native, non-Hispanic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	67	69	79	74	-
Poverty Status																			
Below Poverty	-	-	-	-	-	-	-	-	-	-	-	-	-	-	56	67	68	69	70
At or Above Poverty	-	-	-	-	-	-	-	-	-	-	-	-	-	-	61	74	75	77	78
Location of Residence⁴																			
Central City	-	-	-	-	-	-	-	-	-	-	-	-	-	-	59	72	72	72	74
Remaining Areas inside MSA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	60	71	72	76	75
Outside MSA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	58	70	72	73	74
Individual Vaccines																			
DTP/DT/DTaP (4 doses or more) ⁷	76	78	82	83	82	82	82	85	86	86	85	85	85	84	84	85	83	83	84
Polio (3 doses or more)	83	88	91	90	90	89	90	92	92	92	93	93	94	93	93	94	93	93	93
Measles-Mumps-Rubella	89	90	90	92	91	91	92	93	93	92	92	92	92	90	92	92	91	92	92
Hib (3 doses or more) ⁸	86	91	93	94	93	93	93	94	94	94	93	93	91	84	90	94	93	93	93
Hib (3 or 4 doses, depending on brand) ⁸	-	-	-	-	-	-	-	-	-	-	-	-	-	55	67	80	81	82	82
Hepatitis B	37	68	84	88	90	89	90	92	92	93	93	93	94	92	92	91	90	91	92
Varicella (Chickenpox) ⁹	-	-	26	58	68	76	81	85	88	88	89	90	91	91	90	91	90	91	91



"-" Indicates no data available.

Notes: Final estimates of data from the National Immunization Survey include an adjustment for children with missing immunization provider data. Poverty status is based on family income and family size using Bureau of the Census poverty thresholds. Children missing information about poverty status were omitted from analysis by poverty level. In 2000, 14.2 percent of all children, 17.9 percent of Hispanic, 12.1 percent of non-Hispanic white, and 16.1 percent of non-Hispanic black children were missing information about poverty status and were omitted.

¹The 4:3:1:3 combined series measures the number of children who have received 4 key immunizations: 4 or more doses of diphtheria, tetanus, and pertussis vaccine, 3 or more doses of polio vaccine, 1 or more doses of a measles-containing vaccine, and 3 or more doses of Haemophilus influenzae type b vaccine (Hib). 2009 data are affected by a shortage of Hib vaccine that occurred between December 2007 and September 2009.

²The 4:3:1:3* combined series is similar to the 4:3:1:3 combined series, but only includes children who received 4 or more doses of the Hib vaccine if required for the particular brand of vaccine that they received.

³Persons of Hispanic origin may be of any race.

⁴Location of residence defined as located in or out of a metropolitan statistical area, and, if in, in or out of a central city. More information available at: <http://www.cdc.gov/nchs/nis/notice.htm>.

⁵The 4:3:1:3::3:1 combined series measures the number of children who have received 6 key immunizations: 4 or more doses of diphtheria, tetanus, and pertussis vaccine (DTP), 3 or more doses of polio vaccine, 1 or more doses of a measles-containing vaccine, 3 or more doses of Haemophilus influenzae type b vaccine (Hib), three or more doses of hepatitis B vaccine (HepB), and one or more doses of varicella. 2009 data are affected by a shortage of Hib vaccine that occurred between December 2007 and September 2009.

⁶The 4:3:1:3*:3:1 combined series is similar to the 4:3:1:3::3:1 combined series, but only includes children who received 4 or more doses of the Hib vaccine if required for the particular brand of vaccine that they received.

⁷Diphtheria and tetanus toxoids and pertussis vaccine, diphtheria and tetanus toxoids, and diphtheria and tetanus toxoids and acellular pertussis vaccine.

⁸Haemophilus influenzae type b vaccine (Hib). 2009 data are affected by a shortage of Hib vaccine that occurred between December 2007 and September 2009.

⁹Data collection for Varicella began in July 1996.

Sources: Data for 1994 from: Eberhardt MS, Ingram DD, Makuc DM, et al. Health, United States, 2001, with Urban and Rural Healthbook. Hyattsville, Maryland: National Center for Health Statistics. 2001: Table 73. Data for 1995-2001 from: National Center for Health Statistics. (2003) Health United States, 2003 With Chartbook on Trends in the Health of Americans. National Center for Health Statistics. 2003. Table 71. Data for 2002 and 2003 and race estimates for 2000 and 2001 from: National Immunization Program (2003). Immunization Coverage in the U.S. Results from National Immunization Survey. Centers for Disease Control and Prevention. <http://www.cdc.gov/vaccines/stats-surv/imz-coverage.htm#nis>. Data for 2003: National Immunization Program (2004). Immunization Coverage in the U.S.: Results from National Immunization Survey. Centers for Disease Control and Prevention. <http://www.cdc.gov/vaccines/stats-surv/imz-coverage.htm#nis>. Data for 2004-2014: Centers for Disease Control and Prevention, National Immunization Program, NIS data, tables, Jan-Dec. Available at www.cdc.gov/vaccines/stats-surv/imz-coverage.htm#nis