

Table 82 (page 1 of 2). Vaccination coverage among children 19–35 months of age, by state and selected urban area: United States, selected years 2002–2009

[Data are based on telephone interviews of a sample of the civilian noninstitutionalized population, supplemented by a survey of immunization providers for interview participants]

State and selected urban area	2002	2004	2005	2006	2007	2008	2009
Percent of children 19–35 months of age with 4:3:1:3:3:1 series ¹							
United States	66	76	76	77	77	76	70
Alabama	73	80	82	79	78	75	73
Jefferson County (Birmingham)	74	81	85	---	---	---	---
Alaska	56	66	68	67	70	69	64
Arizona	59	73	75	71	75	76	70
Maricopa County (Phoenix)	62	72	76	68	---	---	---
Arkansas	68	81	64	73	72	76	63
California	67	79	74	79	77	79	75
Alameda County	---	---	71	---	76	---	---
Fresno County	---	---	---	73	---	---	---
Los Angeles County (Los Angeles)	72	77	78	79	78	76	78
Northern CA	---	---	---	71	---	69	---
Santa Clara County (Santa Clara)	75	80	---	78	---	81	---
San Bernadino County	---	---	63	---	70	---	---
San Diego County (San Diego)	71	74	---	80	---	---	---
Colorado	56	73	79	76	78	79	65
Denver	---	---	79	---	---	---	---
Connecticut	73	85	82	82	87	70	47
Delaware	70	80	82	80	80	72	65
District of Columbia	68	80	72	79	82	78	75
Florida	66	85	78	79	80	80	75
Dade County (Miami)	60	73	---	80	76	78	---
Duval County (Jacksonville)	70	69	77	76	---	---	---
Orange County	---	---	---	---	---	79	---
Georgia	77	82	82	81	80	72	69
Fulton/DeKalb Counties (Atlanta)	75	81	72	75	---	---	---
Hawaii	69	80	78	79	88	77	67
Idaho	53	70	68	68	66	60	52
Illinois	58	74	77	74	74	75	73
Chicago	58	71	70	77	71	78	72
Madison/St. Clair County	---	---	---	---	---	75	---
Indiana	59	68	70	76	74	76	66
Lake County	---	---	---	---	---	---	65
Marion County (Indianapolis)	62	74	---	77	71	---	72
Iowa	58	76	76	79	76	75	66
Kansas	55	66	72	70	76	77	77
Eastern KS	---	---	---	74	---	---	---
Kentucky	64	77	71	80	78	74	66
Louisiana	62	70	74	70	77	82	77
Orleans Parish (New Orleans)	53	68	---	---	---	---	---
Maine	62	74	76	76	73	74	53
Maryland	71	76	79	78	91	80	80
Baltimore City	69	80	77	72	---	75	63
Massachusetts	78	84	91	84	78	82	81
Boston	71	79	---	82	---	---	---
Michigan	72	79	81	78	79	75	71
Detroit	60	66	71	65	---	---	---
Minnesota	62	78	78	78	81	75	58
Twin Cities	---	---	---	---	---	75	---
Mississippi	64	80	79	73	77	76	73
Missouri	60	75	73	81	76	73	61
St. Louis County	---	---	74	---	---	---	---
Montana	49	65	65	66	65	59	55
Nebraska	64	73	84	75	83	72	60
Nevada	65	65	63	60	63	68	59
Clark County	---	---	59	---	---	---	---
New Hampshire	66	78	77	76	91	81	79
New Jersey	66	74	72	76	81	69	67
Newark	50	64	67	68	---	---	---
New Mexico	59	79	75	72	76	77	68
New York	67	78	74	77	78	73	69
New York City	71	77	71	72	76	75	72
North Carolina	70	78	82	82	77	71	56

See footnotes at end of table.

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State and selected urban area	2002	2004	2005	2006	2007	2008	2009
Percent of children 19–35 months of age with 4:3:1:3:3:1 series ¹							
North Dakota	56	71	79	80	77	70	56
Ohio	64	71	78	75	78	82	74
Cuyahoga County (Cleveland)	65	78	77	77	---	---	---
Franklin County (Columbus)	69	79	81	---	---	---	---
Oklahoma	60	71	72	78	79	72	70
Oregon	60	74	65	74	71	71	65
Pennsylvania	68	82	77	79	79	78	69
Allegheny County	---	---	---	74	---	---	---
Philadelphia	68	75	77	80	82	80	74
Rhode Island	81	82	80	81	76	78	51
South Carolina	74	77	76	81	80	78	67
South Dakota	62	73	80	74	77	77	75
Tennessee	67	79	80	77	79	81	74
Davidson County (Nashville)	67	88	81	---	---	---	---
Shelby County (Memphis)	61	71	74	73	---	---	---
Texas	65	69	77	75	77	78	74
Bexar County (San Antonio)	72	73	71	75	80	76	71
Dallas County (Dallas)	68	67	73	73	72	74	74
El Paso County (El Paso)	61	64	69	69	77	75	71
Houston	56	62	77	70	73	72	70
Utah	61	68	68	78	74	77	70
Vermont	58	67	63	75	67	65	65
Virginia	65	74	82	77	76	73	70
Washington	52	67	66	71	69	74	70
Eastern WA	---	---	---	72	---	---	---
Eastern/Western WA	---	---	---	---	---	76	67
King County (Seattle)	56	74	69	71	---	---	---
Western WA	---	---	---	---	71	---	---
West Virginia	66	76	68	68	76	77	65
Wisconsin	68	78	77	81	77	80	59
Milwaukee County (Milwaukee)	60	73	74	78	---	---	---
Wyoming	54	64	67	63	70	65	62

--- Data not available.

¹The 4:3:1:3:3:1 combined series consists of 4 or more doses of diphtheria and tetanus toxoids and pertussis vaccine (DTP), diphtheria and tetanus toxoids (DT), or diphtheria and tetanus toxoids and acellular pertussis vaccine (DTaP); 3 or more doses of any poliovirus vaccine; 1 or more doses of a measles-containing vaccine (MCV); 3 or more doses of *Haemophilus influenzae* type b vaccine (Hib) regardless of vaccine brand type; 3 or more doses of hepatitis B vaccine; and 1 or more doses of varicella vaccine. The 4:3:1:3:3:1 combined series is the most complete series for which long-term state trend data are currently available. See Table 81 for additional data on childhood vaccinations.

NOTES: Urban areas were originally selected because they were at risk for undervaccination. Final estimates from the National Immunization Survey include an adjustment for children with missing immunization provider data. Additional information on childhood immunizations is available from: <http://www.cdc.gov/vaccines/recs/schedules/child-schedule.htm#printable>. Data for additional years are available. See Appendix III.

SOURCE: CDC/NCHS and National Center for Immunization and Respiratory Diseases, National Immunization Survey. Available from: <http://www.cdc.gov/vaccines/stats-surv/imz-coverage.htm#nis> and <http://www.cdc.gov/nis/>.