

2007 Immunization Up-To-Date (UTD) Rates for Two Year Olds by Data Source

	Oregon Population-Based Rates (a,d)		National Immunization Survey (b,e)				Healthy People 2010 Objective (c,e)
	Oregon		Oregon		United States		% UTD
	% UTD	95% CI	% UTD	95% CI	% UTD	95% CI	
4+ DTaP	80.7	(80.3 - 81.1)	77.8	(70.5 - 85.1)	84.5	(83.6 - 85.4)	90.0
3+ Polio	91.7	(91.4 - 91.9)	87.7	(81.6 - 93.8)	92.6	(91.9 - 93.3)	90.0
1+ MMR	90.7	(90.5 - 91.0)	88.9	(83.6 - 94.2)	92.3	(91.6 - 93.0)	90.0
3+ Hib	90.0	(89.7 - 90.3)	87.7	(81.9 - 93.5)	92.6	(91.9 - 93.3)	90.0
3+ HepB	91.9	(91.7 - 92.2)	87.0	(81.0 - 93.0)	92.7	(92.0 - 93.4)	90.0
1+ Varicella	87.9	(87.6 - 88.2)	84.2	(77.9 - 90.5)	90.0	(89.3 - 90.7)	90.0
4:3:1:3 (f)	77.4	(77.0 - 77.8)	74.1	(66.7 - 81.5)	81.8	(80.8 - 82.8)	N/A
4:3:1:3:3:1 (g)	74.1	(73.7 - 74.5)	70.5	(62.9 - 78.1)	77.4	(76.3 - 78.5)	N/A

- Notes:
- (a) Source: ALERT Immunization Information System, Oregon Immunization Program, DHS
 - (b) Source: National Immunization Survey, National Center for Health Statistics, CDC
 - (c) Source: Healthy People 2010, US DHHS
 - (d) Rate includes all ACIP spacing requirements and applies to coverage among **24 to 35** months olds.
 - (e) Rate applies to coverage among **19 to 35** month olds.
 - (f) The 4:3:1:3 series includes 4 or more doses of DTaP, 3 or more doses of Polio, 1 or more doses of MMR, and 3 or more doses of Hib.
 - (g) The 4:3:1:3:3:1 series includes 4 or more doses of DTaP, 3 or more doses of Polio, 1 or more doses of MMR, 3 or more doses of Hib, 3 or more doses of HepB, and 1 or more doses of Varicella.

National Immunization Survey (NIS)

The NIS is a national telephone survey of families of young children (19 through 35 months of age) and their healthcare providers, which collects immunization data to estimate nationwide coverage rates. The NIS surveys approximately 200-400 families in each state, which allows for comparisons between states and trends over time. However, this small sample size does not allow for reliable estimates of sub-populations (i.e., Counties) in Oregon. For more information about the NIS, please visit:

<http://www.cdc.gov/vaccines/stats-surv/imz-coverage.htm#nis>

Oregon Population-Based Rates (PBR)

PBR measure immunization coverage rates among 24 through 35 month old children in Oregon. Unlike the survey method employed by the NIS, PBR estimates are based on the entire population of two year olds and use shot history data from the ALERT Immunization Information System (ALERT). Over 85% of immunization providers in Oregon report data to ALERT making it a great starting point for assessment. Statistical adjustments are made to account for incomplete provider reporting and child mobility in, out, and around Oregon. Compared to the NIS, PBR estimates are based on a larger sample size (approximately 45,000 two year olds), allowing more precise rates. For more information about PBR, please contact Samantha Witt, Immunization Research Analyst, at 971-673-0304 or Samantha.K.Witt@state.or.us.