

Healthy People 2010 Operational Definition

14-24. Increase the proportion of young children and adolescents who receive all vaccines that have been recommended for universal administration for at least 5 years.

14-24a. Children aged 19 to 35 months who received the recommended vaccines.

National Data Source	National Immunization Survey (NIS), CDC, NCIRD and NCHS.
State Data Source	National Immunization Survey (NIS), CDC, NCIRD and NCHS.
Healthy People 2000 Objective	Adapted from 20.11 (Immunization and Infectious Diseases).
Leading Health Indicator	Immunization.
Changes since the 2000 Publication	None.
Measure	Percent.
Baseline (Year)	73 (1998)
Target	80
Target-Setting Method	Better than the best racial/ethnic subgroup. For a discussion of target-setting methods, see Part A, section 4.
Numerator	Number of children aged 19 to 35 months receiving at least four doses of diphtheria-tetanus-acellular pertussis (DTaP), at least three doses of polio, at least one dose of measles-mumps-rubella (MMR), at least three doses of Haemophilus influenzae B (Hib), and at least three doses of hepatitis B antigens.
Denominator	Children aged 19 to 35 months.
Population Targeted	U.S. civilian, noninstitutionalized population.
Questions Used To	From the 1998 National Immunization Survey

**Obtain the National
Baseline Data**

Household Survey:

- *How many D-T-P or D-T shots (sometimes called a D- P-T shot, diphtheria-tetanus-pertussis shot, baby shot, three-in-one shot) has (Sample child) ever received?*
- *How many polio vaccine shots (by mouth, pink drops, or by a polio shot) has (Sample child) ever received?*
- *How many measles or M-M-R (Measles-Mumps-Rubella) shots has (Sample child) ever received?*
- *How many H-I-B shots (this is for Meningitis and is called Haemophilus Influenzae), H-I-B vaccine, or H flu vaccine has (Sample child) ever received?*
- *How many Hepatitis B shots has (Sample child) ever received?*
- *Other shots received?*

From the 1998 National Immunization Survey
Provider Record Check:

- *Specify month, day and year that each immunization was given, either by the office or another provider (OP), as documented in the records.*

Expected Periodicity

Annual.

Comments

Any new vaccines that have been universally recommended for at least 5 years will be added to the series over the course of Healthy People 2010.

As of 2005, varicella was added to the series. From year 2005 and beyond, the series reflects a recommendation of at least four doses of diphtheria-tetanus-acellular pertussis (DTaP), at least three doses of polio, at least one dose of measles-mumps-rubella (MMR), at least three doses of Haemophilus influenzae B (Hib), at least three doses of hepatitis B and at least one dose of varicella antigens. There is an additional lag between the time when a new vaccine has been universally recommended for at least 5 years and when the expanded series including the new vaccine is reported. This additional lag allows time for all children included in the annual NIS cohort to have reached the earliest eligible age for receipt of the new vaccine at or after the recommendation was made. For example, pneumococcal conjugate vaccine (PCV) was recommended in October 2000 for children at ages 2, 4, 6 and 12-15 months, so children born August 2005 and later would be

eligible for monitoring. The 2009 NIS cohort will be the first in which all children were born after August 2005, and thus will be the first data for which the expanded series including PCV would be reported for this objective.

This subobjective is used to track the Immunization Leading Health Indicator. See Appendix E for a complete list.

This subobjective differs from the comparable measure in Healthy People 2000 objective 20.11, which tracked children aged 19 to 35 months with at least four doses of diphtheria-tetanus-pertussis (DTAP), at least three doses of polio, and at least one dose of measles-mumps-rubella (MMR) only. This objective adds Haemophilus influenzae type B and hepatitis B.

See Part C for a description of NIS and Appendix A for focus area contact information.