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- ▶ [NIP HOME](#)
- ▶ [First time visitor?](#)
- ▶ [About NIP](#)
- ▶ [Data and Statistics](#)
- ▶ [International Efforts](#)
- ▶ [Links to other web sites](#)
- ▶ [Glossary/ Acronyms](#)

NIP sub-sites:

- ▶ [ACIP](#)
- ▶ [Flu Vaccine](#)
- ▶ [Immunization Registries](#)
- ▶ [Vaccines for Children Program](#)
- ▶ [CASA \(Clinic Assessment Program\)](#)
- ▶ [AFIX \(Grantee Assessment\)](#)
- ▶ [VACMAN](#)

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[Health Topics A-Z](#)

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[Media](#)
[Informacion en Espanol](#)

Recommendations

2005 Childhood & Adolescent Immunization Schedule

Are Your Child's Vaccinations Up to Date?

Recommended Childhood and Adolescent Immunization Schedule UNITED STATES • 2005

This table provides a comprehensive overview of the immunization schedule, including the age of administration, the number of doses, and the type of vaccine (e.g., live attenuated, inactivated, conjugated, toxoid, subunit, or combination). It also includes a legend for vaccine types and a note about the schedule's applicability to all children in the United States.

At a glance: This Schedule lists the ages (birth to 18 years old) for when each vaccine or series of shots is to be given. If your child has missed any shots, check with your doctor about getting back on track.

Contents of this page:

- [2005 schedule](#) **NEW!**
- [2005 Catch-up schedule](#) (for missing or delayed vaccinations)
- [No changes in the schedule](#)

Related topics :

- [Interactive child's immunization scheduler \(birth to 5 years old\)](#)
- [Child immunization and "scheduler" brochures](#)
- [MMWR* on this schedule](#)
- [Blank vaccine record forms](#)
- [Vaccines in delay or shortage](#)
- [Vaccines for teens](#)
- [Vaccines for adults \(**adult** immunization schedule\)](#)
- [History of the Vaccine Schedule](#) (exit site)
- [Childhood Schedules from Past Years](#)

2005 Childhood Immunization Schedule



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[English 4-page COLOR version](#)

[English 4-page Black & White version](#)

(.pdf format) (8.5" x 11")
(Pages 1-2 are regular schedule and pages 3-4 are catch-up schedule)



[English 2-page COLOR version](#)

(.pdf format) (8.5" x 11")
(Page 1 is chart of schedule, page 2 is footnotes for schedule)



Spanish print version (.pdf format)

Not yet available. Expect in late March or early April 2005



Download Shots 2005 to your Palm OS or PocketPC Handheld

Requirements include: Requires Palm OS® 3.1 or higher and approximately 379KB of memory or Pocket PC® and approximately 360KB of memory. Shots 2005 runs on both color and non-color handhelds. The required file along with downloading and installation instructions, license and disclaimer use, etc., can be found on the ImmunizationEd.org website at <http://www.immunizationed.org/anypage.aspx?pagename=shotspalm>

Note: This is freeware software and is to be used **at your own risk**, courtesy of [ImmunizationEd.org](http://www.immunizationed.org) website.



[Screen-reader device version](#)

(.htm format) (text-only version)

[MMWR](#) published January 7, 2005 [Recommended Childhood and Adolescent Immunization Schedule -- United States, 2005](#)

The childhood and adolescent immunization schedule for 2005 is unchanged from that published in April 2004. In addition, the catch-up immunization schedule for children and adolescents who start late or who are >1 month behind remains unchanged from that published in January 2004 and again in April 2004. The childhood and adolescent immunization schedule and the catch-up immunization schedule for 2005 have been approved by Advisory Committee on Immunization Practices (ACIP), American Academy of Family Physicians (AAFP), and the American Academy of Pediatrics (AAP).



[Print-friendly version](#) (.pdf)

No Changes in the Schedule

The childhood and adolescent immunization schedule for 2005 is unchanged from that published in April 2004. And, the catch-up immunization schedule for children and adolescents who start late or who are >1 month behind also remains unchanged from that published in January and again in April 2004.

Catch-up Schedule

Note: There is no need to restart a vaccine series regardless of the time that has elapsed between doses. Use the appropriate chart on the catch-up schedule for your child's age.

English-language		Spanish-language	
	Catch-up schedule (printable version in .pdf format)		Catch-up schedule (printable version in .pdf format) (not yet available)
	Text-only for screen-reader devices (.htm format)		Text-only for screen-reader devices (.rtf format)** (not yet available)

*MMWR--Morbidity and Mortality Weekly Report

**Note: The text-only versions are provided only for screen-reader devices. Please contact NIPINFO@cdc.gov via e-mail for assistance with accessing copies not provided above.

 [Top of page](#)

National Immunization Program (NIP)

[NIP Home](#) | [Contact Us](#) | [Help](#) | [Glossary](#) | [About](#) | [Accessibility](#)

This page last modified on March 9, 2005

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[CDC Home](#) | [CDC Search](#) | [CDC Health Topics A-Z](#)

Recommended Childhood and Adolescent Immunization Schedule UNITED STATES • 2005

Vaccine ▼	Age ▶	Birth	1 month	2 months	4 months	6 months	12 months	15 months	18 months	24 months	4-6 years	11-12 years	13-18 years
Hepatitis B ¹		HepB #1	HepB #2			HepB #3				HepB Series			
Diphtheria, Tetanus, Pertussis ²				DTaP	DTaP	DTaP		DTaP			DTaP	Td	Td
<i>Haemophilus influenzae</i> type b ³				Hib	Hib	Hib	Hib						
Inactivated Poliovirus				IPV	IPV	IPV				IPV			
Measles, Mumps, Rubella ⁴							MMR #1				MMR #2	MMR #2	
Varicella ⁵							Varicella			Varicella			
Pneumococcal ⁶				PCV	PCV	PCV	PCV			PCV	PPV		
Influenza ⁷						Influenza (Yearly)				Influenza (Yearly)			
----- Vaccines below red line are for selected populations -----													
Hepatitis A ⁸										Hepatitis A Series			

This schedule indicates the recommended ages for routine administration of currently licensed childhood vaccines, as of December 1, 2004, for children through age 18 years. Any dose not administered at the recommended age should be administered at any subsequent visit when indicated and feasible.

Indicates age groups that warrant special effort to administer those vaccines not previously administered. Additional vaccines may be licensed and recommended during the year. Licensed combination vaccines may be used whenever any components of the combination are indicated and other components of the vaccine

are not contraindicated. Providers should consult the manufacturers' package inserts for detailed recommendations. Clinically significant adverse events that follow immunization should be reported to the Vaccine Adverse Event Reporting System (VAERS). Guidance about how to obtain and complete a VAERS form are available at www.vaers.org or by telephone, 800-822-7967.

- Range of recommended ages
- Preadolescent assessment
- Only if mother HBsAg(-)
- Catch-up immunization



DEPARTMENT OF HEALTH AND HUMAN SERVICES
CENTERS FOR DISEASE CONTROL AND PREVENTION



The Childhood and Adolescent Immunization Schedule is approved by:
 Advisory Committee on Immunization Practices www.cdc.gov/nip/acip
 American Academy of Pediatrics www.aap.org
 American Academy of Family Physicians www.aafp.org

Footnotes

Recommended Childhood and Adolescent Immunization Schedule

UNITED STATES • 2005

- 1. Hepatitis B (HepB) vaccine.** All infants should receive the first dose of HepB vaccine soon after birth and before hospital discharge; the first dose may also be administered by age 2 months if the mother is hepatitis B surface antigen (HBsAg) negative. Only monovalent HepB may be used for the birth dose. Monovalent or combination vaccine containing HepB may be used to complete the series. Four doses of vaccine may be administered when a birth dose is given. The second dose should be administered at least 4 weeks after the first dose, except for combination vaccines which cannot be administered before age 6 weeks. The third dose should be given at least 16 weeks after the first dose and at least 8 weeks after the second dose. The last dose in the vaccination series (third or fourth dose) should not be administered before age 24 weeks.

Infants born to HBsAg-positive mothers should receive HepB and 0.5 mL of hepatitis B immune globulin (HBIG) at separate sites within 12 hours of birth. The second dose is recommended at age 1–2 months. The final dose in the immunization series should not be administered before age 24 weeks. These infants should be tested for HBsAg and antibody to HBsAg (anti-HBs) at age 9–15 months.

Infants born to mothers whose HBsAg status is unknown should receive the first dose of the HepB series within 12 hours of birth. Maternal blood should be drawn as soon as possible to determine the mother's HBsAg status; if the HBsAg test is positive, the infant should receive HBIG as soon as possible (no later than age 1 week). The second dose is recommended at age 1–2 months. The last dose in the immunization series should not be administered before age 24 weeks.
- 2. Diphtheria and tetanus toxoids and acellular pertussis (DTaP) vaccine.** The fourth dose of DTaP may be administered as early as age 12 months, provided 6 months have elapsed since the third dose and the child is unlikely to return at age 15–18 months. The final dose in the series should be given at age ≥ 4 years. **Tetanus and diphtheria toxoids (Td)** is recommended at age 11–12 years if at least 5 years have elapsed since the last dose of tetanus and diphtheria toxoid-containing vaccine. Subsequent routine Td boosters are recommended every 10 years.
- 3. Haemophilus influenzae type b (Hib) conjugate vaccine.** Three Hib conjugate vaccines are licensed for infant use. If PRP-OMP (PedvaxHIB[®] or ComVax[®] [Merck]) is administered at ages 2 and 4 months, a dose at age 6 months is not required. DTaP/Hib combination products should not be used for primary immunization in infants at ages 2, 4 or 6 months but can be used as boosters after any Hib vaccine. The final dose in the series should be administered at age ≥ 12 months.
- 4. Measles, mumps, and rubella vaccine (MMR).** The second dose of MMR is recommended routinely at age 4–6 years but may be administered during any visit, provided at least 4 weeks have elapsed since the first dose and both doses are administered beginning at or after age 12 months. Those who have not previously received the second dose should complete the schedule by age 11–12 years.
- 5. Varicella vaccine.** Varicella vaccine is recommended at any visit at or after age 12 months for susceptible children (i.e., those who lack a reliable history of chickenpox). Susceptible persons aged ≥ 13 years should receive 2 doses administered at least 4 weeks apart.
- 6. Pneumococcal vaccine.** The heptavalent **pneumococcal conjugate vaccine (PCV)** is recommended for all children aged 2–23 months and for certain children aged 24–59 months. The final dose in the series should be given at age ≥ 12 months. **Pneumococcal polysaccharide vaccine (PPV)** is recommended in addition to PCV for certain high-risk groups. See *MMWR* 2000;49(RR-9):1-35.
- 7. Influenza vaccine.** Influenza vaccine is recommended annually for children aged ≥ 6 months with certain risk factors (including, but not limited to, asthma, cardiac disease, sickle cell disease, human immunodeficiency virus [HIV], and diabetes), healthcare workers, and other persons (including household members) in close contact with persons in groups at high risk (see *MMWR* 2004;53[RR-6]:1-40). In addition, healthy children aged 6–23 months and close contacts of healthy children aged 0–23 months are recommended to receive influenza vaccine because children in this age group are at substantially increased risk for influenza-related hospitalizations. For healthy persons aged 5–49 years, the intranasally administered, live, attenuated influenza vaccine (LAIV) is an acceptable alternative to the intramuscular trivalent inactivated influenza vaccine (TIV). See *MMWR* 2004;53(RR-6):1-40. Children receiving TIV should be administered a dosage appropriate for their age (0.25 mL if aged 6–35 months or 0.5 mL if aged ≥ 3 years). Children aged ≤ 8 years who are receiving influenza vaccine for the first time should receive 2 doses (separated by at least 4 weeks for TIV and at least 6 weeks for LAIV).
- 8. Hepatitis A vaccine.** Hepatitis A vaccine is recommended for children and adolescents in selected states and regions and for certain high-risk groups; consult your local public health authority. Children and adolescents in these states, regions, and high-risk groups who have not been immunized against hepatitis A can begin the hepatitis A immunization series during any visit. The 2 doses in the series should be administered at least 6 months apart. See *MMWR* 1999;48(RR-12):1-37.

Recommended Immunization Schedule for Children and Adolescents Who Start Late or Who Are More Than 1 Month Behind UNITED STATES • 2005

The tables below give catch-up schedules and minimum intervals between doses for children who have delayed immunizations. There is no need to restart a vaccine series regardless of the time that has elapsed between doses. Use the chart appropriate for the child's age.

CATCH-UP SCHEDULE FOR CHILDREN AGED 4 MONTHS THROUGH 6 YEARS

Vaccine	Minimum Age for Dose 1	Minimum Interval Between Doses			
		Dose 1 to Dose 2	Dose 2 to Dose 3	Dose 3 to Dose 4	Dose 4 to Dose 5
Diphtheria, Tetanus, Pertussis	6 wks	4 weeks	4 weeks	6 months	6 months¹
Inactivated Poliovirus	6 wks	4 weeks	4 weeks	4 weeks²	
Hepatitis B ³	Birth	4 weeks	8 weeks (and 16 weeks after first dose)		
Measles, Mumps, Rubella	12 mo	4 weeks⁴			
Varicella	12 mo				
<i>Haemophilus influenzae</i> type b ⁵	6 wks	4 weeks if first dose given at age <12 months	4 weeks⁶ if current age <12 months	8 weeks (as final dose) This dose only necessary for children aged 12 months–5 years who received 3 doses before age 12 months	
		8 weeks (as final dose) if first dose given at age 12-14 months	8 weeks (as final dose)⁶ if current age ≥12 months and second dose given at age <15 months		
		No further doses needed if first dose given at age ≥15 months	No further doses needed if previous dose given at age ≥15 mo		
Pneumococcal ⁷	6 wks	4 weeks if first dose given at age <12 months and current age <24 months	4 weeks if current age <12 months	8 weeks (as final dose) This dose only necessary for children aged 12 months–5 years who received 3 doses before age 12 months	
		8 weeks (as final dose) if first dose given at age ≥12 months or current age 24–59 months	8 weeks (as final dose) if current age ≥12 months		
		No further doses needed for healthy children if first dose given at age ≥24 months	No further doses needed for healthy children if previous dose given at age ≥24 months		

CATCH-UP SCHEDULE FOR CHILDREN AGED 7 YEARS THROUGH 18 YEARS

Vaccine	Minimum Interval Between Doses		
	Dose 1 to Dose 2	Dose 2 to Dose 3	Dose 3 to Booster Dose
Tetanus, Diphtheria	4 weeks	6 months	6 months⁸ if first dose given at age <12 months and current age <11 years 5 years⁸ if first dose given at age ≥12 months and third dose given at age <7 years and current age ≥11 years 10 years⁸ if third dose given at age ≥7 years
Inactivated Poliovirus ⁹	4 weeks	4 weeks	IPV ^{2,9}
Hepatitis B	4 weeks	8 weeks (and 16 weeks after first dose)	
Measles, Mumps, Rubella	4 weeks		
Varicella ¹⁰	4 weeks		

Footnotes

Children and Adolescents Catch-up Schedules

UNITED STATES • 2005

1. **DTaP.** The fifth dose is not necessary if the fourth dose was administered after the fourth birthday.
2. **IPV.** For children who received an all-IPV or all-oral poliovirus (OPV) series, a fourth dose is not necessary if third dose was administered at age ≥4 years. If both OPV and IPV were administered as part of a series, a total of 4 doses should be given, regardless of the child's current age.
3. **HepB.** All children and adolescents who have not been immunized against hepatitis B should begin the HepB immunization series during any visit. Providers should make special efforts to immunize children who were born in, or whose parents were born in, areas of the world where hepatitis B virus infection is moderately or highly endemic.
4. **MMR.** The second dose of MMR is recommended routinely at age 4–6 years but may be administered earlier if desired.
5. **Hib.** Vaccine is not generally recommended for children aged ≥5 years.
6. **Hib.** If current age <12 months and the first 2 doses were PRP-OMP (PedvaxHIB[®] or ComVax[®] [Merck]), the third (and final) dose should be administered at age 12–15 months and at least 8 weeks after the second dose.
7. **PCV.** Vaccine is not generally recommended for children aged ≥5 years.
8. **Td.** For children aged 7–10 years, the interval between the third and booster dose is determined by the age when the first dose was administered. For adolescents aged 11–18 years, the interval is determined by the age when the third dose was given.
9. **IPV.** Vaccine is not generally recommended for persons aged ≥18 years.
10. **Varicella.** Administer the 2-dose series to all susceptible adolescents aged ≥13 years.

Report adverse reactions to vaccines through the federal Vaccine Adverse Event Reporting System. For information on reporting reactions following immunization, please visit www.vaers.org or call the 24-hour national toll-free information line 800-822-7967. Report suspected cases of vaccine-preventable diseases to your state or local health department.

For additional information about vaccines, including precautions and contraindications for immunization and vaccine shortages, please visit the National Immunization Program Web site at www.cdc.gov/nip or call the National Immunization Information Hotline at 800-232-2522 (English) or 800-232-0233 (Spanish).