



Child and Adolescent Immunization Schedule by Age (Addendum updated June 27, 2024)

Recommendations for Ages 18 Years or Younger, United States, 2024

[Back to Child and Adolescent Immunization Schedule home page](#)

Vaccines and Other Immunizing Agents in the Child Immunization Schedule


 [Get email updates](#)


How to use the schedule

To make vaccination recommendations, healthcare providers should:

1. Determine recommended vaccine by age ([Table 1 – By Age](#))
2. Determine recommended interval for catch-up vaccination ([Table 2 – Catch-up](#))
3. Assess need for additional recommended vaccines by medical condition or other indication ([Table 3 – By Medical Indication](#))
4. Review vaccine types, frequencies, intervals, and considerations for special situations ([Notes](#))
5. Review contraindications and precautions for vaccine types ([Appendix](#))
6. Review new or updated ACIP guidance ([Addendum](#))

Download the Schedule

[Print the schedule, color](#) 

[Print the schedule, black & white](#) 

[Download the mobile app](#)

[Compliant version of the schedule](#)

Legend

Range of recommended ages for all children	Range of recommended ages for catch-up vaccination	Range of recommended ages for certain high-risk groups	Recommended vaccination can begin in this age group	Recommended vaccination based on shared clinical decision-making	No recommendation/ not applicable
--	--	--	---	--	-----------------------------------

Birth to 15 Months














These recommendations must be read with the notes that follow. For those who fall behind or start late, provide catch-up vaccination at the earliest opportunity as indicated by the green bars. To determine minimum intervals between doses, see the catch-up schedule (Table 2).

Vaccine and other immunizing agents	Birth	1 mo	2 mos	4 mos	6 mos	9 mos	12 mos	15 mos
Respiratory syncytial virus ⓘ (RSV-mAb [Nirsevimab])	1 dose depending on maternal RSV vaccination status, See notes					1 dose (8 through 19 months), See notes		
Hepatitis B ⓘ (HepB)	1 st dose	←2 nd dose→			←3 rd dose→			
Rotavirus (RV) ⓘ RV1 (2-dose series); RV5 (3-dose series)			1 st dose	2 nd dose	See notes			
Diphtheria, tetanus, & acellular pertussis ⓘ (DTaP: <7 yrs)			1 st dose	2 nd dose	3 rd dose			←4 th dose→
Haemophilus influenzae type b ⓘ (Hib)			1 st dose	2 nd dose	See notes		←3 rd or 4 th dose, See notes→	
Pneumococcal conjugate ⓘ (PCV15, PCV20)			1 st dose	2 nd dose	3 rd dose		←4 th dose→	
Inactivated poliovirus ⓘ (IPV: <18 yrs)			1 st dose	2 nd dose	←3 rd dose→			
COVID-19 ⓘ (1vCOV-mRNA, 1vCOV-aPS)						1 or more doses of updated (2023–2024 Formula) vaccine (See notes)		
Influenza (IIV4) ⓘ						Annual vaccination 1 or 2 doses		
or Influenza (LAIV4) ⓘ								
Measles, mumps, rubella ⓘ (MMR)						See notes	←1 st dose→	
Varicella ⓘ (VAR)							←1 st dose→	

Hepatitis A ⓘ (HepA)		(See notes)	←2-dose series, See notes →
Tetanus, diphtheria, & acellular pertussis ⓘ (Tdap: ≥7 yrs)			
Human papillomavirus ⓘ (HPV)			
Meningococcal ⓘ (MenACWY-CRM ≥2 mos, MenACWY-TT ≥2years)		See notes	
Meningococcal B ⓘ (MenB-4C, MenB-FHbp)			
Respiratory syncytial virus vaccine ⓘ (RSV [Abrysvo])			
Dengue ⓘ (DEN4CYD: 9-16 yrs)			
Mpox ⓘ			

18 Months to 18 Years

[illegible]

Diphtheria, tetanus, & acellular pertussis  (DTaP: <7 yrs)	←4 th dose→		5 th dose		
<i>Haemophilus influenzae</i> type b  (Hib)					
Pneumococcal conjugate  (PCV15, PCV20)					
Inactivated poliovirus  (IPV: <18 yrs)	←3 rd dose→		4 th dose		See notes
COVID-19  (1vCOV-mRNA, 1vCOV-aPS)	1 or more doses of updated (2023–2024 Formula) vaccine (See notes)				
Influenza (IIV4) 	Annual vaccination 1 or 2 doses			Annual vaccination 1 dose only	
 Influenza (LAIV4) 		Annual vaccination 1 or 2 doses		Annual vaccination 1 dose only	
Measles, mumps, rubella  (MMR)			2 nd dose		
Varicella  (VAR)			2 nd dose		
Hepatitis A  (HepA)	← 2-dose series, See notes→				
Tetanus, diphtheria, & acellular pertussis  (Tdap: ≥7 yrs)				1 dose	
Human papillomavirus 				See notes	

(HPV)				
Meningococcal ⓘ (MenACWY-CRM ≥2 mos, MenACWY-TT ≥2years)	See notes	1 st dose	2 nd dose	
Meningococcal B ⓘ (MenB-4C, MenB-FHbp)		See notes		
Respiratory syncytial virus vaccine ⓘ (RSV [Abrysvo])		Seasonal administration during pregnancy, See notes		
Dengue ⓘ (DEN4CYD: 9-16 yrs)		Seropositive in endemic dengue areas (See notes)		
Mpox ⓘ				

To make vaccination recommendations, healthcare providers should:

1. Determine recommended vaccine by age ([Table 1 – By Age](#))
2. Determine recommended interval for catch-up vaccination ([Table 2 – Catch-up](#))
3. Assess need for additional recommended vaccines by medical condition or other indication ([Table 3 – By Medical Indication](#))
4. Review vaccine types, frequencies, intervals, and considerations for special situations ([Notes](#))
5. Review contraindications and precautions for vaccine types ([Appendix](#))
6. Review new or updated ACIP guidance ([Addendum](#))

Recommended by the Advisory Committee on Immunization Practices ([ACIP](#)) and approved by the Centers for Disease Control and Prevention ([CDC](#)), American Academy of Pediatrics ([AAP](#)), American Academy of Family Physicians ([AAFP](#)), American College of Obstetricians and Gynecologists ([ACOG](#)), American College of Nurse-Midwives ([ACNM](#)), American Academy of Physician Associates ([AAPA](#)), and National Association of Pediatric Nurse Practitioners ([NAPNAP](#)).

The comprehensive summary of the ACIP recommended changes made to the child and adolescent immunization schedule can be found in the [January 11, 2024 MMWR](#).

Report

- Suspected cases of reportable vaccine-preventable diseases or outbreaks to your state or local health department
- Clinically significant adverse events to the Vaccine Adverse Event Reporting System (VAERS) at www.vaers.hhs.gov or (800-822-7967)

Questions or comments

Contact www.cdc.gov/cdc-info or 800-CDC-INFO (800-232-4636), in English or Spanish, 8 a.m.–8 p.m. ET, Monday through Friday, excluding holidays.

Helpful information

- [Complete Advisory Committee on Immunization Practices \(ACIP\) recommendations](#)
- [ACIP Shared Clinical Decision-Making Recommendations](#)
- [General Best Practice Guidelines for Immunization \(including contraindications and precautions\)](#)
- [Vaccine information statements](#)
- [Manual for the Surveillance of Vaccine-Preventable Diseases \(including case identification and outbreak response\)](#)

Last Reviewed: November 16, 2023

Source: [National Center for Immunization and Respiratory Diseases](#)

Was this page helpful?

Yes

Partly

No