

CDC Recommended Immunization Schedules

NCIRD
National Center for
Immunization and
Respiratory Diseases



Prevention of disease, disability, and death through immunization and by control of respiratory and related diseases.

2023 Recommended Immunization Schedules Now Online

The 2023 ACIP Recommended Immunization Schedules were released today. In collaboration with our healthcare partners, CDC has updated versions of the recommended U.S. immunization schedules for children and teens as well as for adults.

Several additional formats of the schedules, including parent-friendly versions, are available on the [CDC Immunization Schedules website](#).



[Schedule Changes & Guidance](#)



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[Syndicate the Schedules on your Website](#)



[Routine Immunizations on Schedule for Everyone \(RISE\)](#)



Recommended Immunization Schedules for Persons Aged 0 Through 18 Years, U.S., 2023

This schedule includes the age-based routine vaccination schedule for children and teens and the approved catch-up immunization schedule for people age 4 months through 18 years who start vaccination late or who are more than one month behind. Essential explanatory footnotes are also included.



[MMWR article](#)



Table 1 Recommended Child and Adolescent Immunization Schedule for ages 18 years or younger, United States, 2023

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	Birth	1 mo	2 mo	4 mo	6 mo	9 mo	12 mo	15 mo	18 mo	19-23 mo	2-3 yr	4-6 yr	7-10 yr	11-12 yr	13-15 yr	16 yr	17-18 yr
Hepatitis B (HBV)	1 st dose	2 nd dose	3 rd dose														
Rotavirus (RV) (2-dose series; RV5 or RotaTeq)		1 st dose	2 nd dose														
Diphtheria, tetanus, acellular pertussis (DTaP) (3 yr)		1 st dose	2 nd dose	3 rd dose													
Human papillomavirus (HPV) (3-dose series)																	
Poliovirus (IPV) (4-dose series)		1 st dose	2 nd dose	3 rd dose	4 th dose												
Measles, mumps, rubella (MMR)																	
MMR2 (MMR with pertussis)																	
MMR3 (MMR with pertussis and zoster)																	
MMR4 (MMR with pertussis, zoster, and meningococcal)																	
MMR5 (MMR with pertussis, zoster, meningococcal, and hepatitis B)																	
MMR6 (MMR with pertussis, zoster, meningococcal, hepatitis B, and hepatitis A)																	
MMR7 (MMR with pertussis, zoster, meningococcal, hepatitis B, hepatitis A, and hepatitis B)																	
MMR8 (MMR with pertussis, zoster, meningococcal, hepatitis B, hepatitis A, hepatitis B, and hepatitis C)																	
MMR9 (MMR with pertussis, zoster, meningococcal, hepatitis B, hepatitis A, hepatitis B, hepatitis C, and hepatitis E)																	
MMR10 (MMR with pertussis, zoster, meningococcal, hepatitis B, hepatitis A, hepatitis B, hepatitis C, hepatitis E, and hepatitis G)																	
MMR11 (MMR with pertussis, zoster, meningococcal, hepatitis B, hepatitis A, hepatitis B, hepatitis C, hepatitis E, hepatitis G, and hepatitis I)																	
MMR12 (MMR with pertussis, zoster, meningococcal, hepatitis B, hepatitis A, hepatitis B, hepatitis C, hepatitis E, hepatitis G, hepatitis I, and hepatitis J)																	
MMR13 (MMR with pertussis, zoster, meningococcal, hepatitis B, hepatitis A, hepatitis B, hepatitis C, hepatitis E, hepatitis G, hepatitis I, hepatitis J, and hepatitis K)																	
MMR14 (MMR with pertussis, zoster, meningococcal, hepatitis B, hepatitis A, hepatitis B, hepatitis C, hepatitis E, hepatitis G, hepatitis I, hepatitis J, hepatitis K, and hepatitis L)																	
MMR15 (MMR with pertussis, zoster, meningococcal, hepatitis B, hepatitis A, hepatitis B, hepatitis C, hepatitis E, hepatitis G, hepatitis I, hepatitis J, hepatitis K, hepatitis L, and hepatitis M)																	
MMR16 (MMR with pertussis, zoster, meningococcal, hepatitis B, hepatitis A, hepatitis B, hepatitis C, hepatitis E, hepatitis G, hepatitis I, hepatitis J, hepatitis K, hepatitis L, hepatitis M, and hepatitis N)																	
MMR17 (MMR with pertussis, zoster, meningococcal, hepatitis B, hepatitis A, hepatitis B, hepatitis C, hepatitis E, hepatitis G, hepatitis I, hepatitis J, hepatitis K, hepatitis L, hepatitis M, hepatitis N, and hepatitis O)																	
MMR18 (MMR with pertussis, zoster, meningococcal, hepatitis B, hepatitis A, hepatitis B, hepatitis C, hepatitis E, hepatitis G, hepatitis I, hepatitis J, hepatitis K, hepatitis L, hepatitis M, hepatitis N, hepatitis O, and hepatitis P)																	
MMR19 (MMR with pertussis, zoster, meningococcal, hepatitis B, hepatitis A, hepatitis B, hepatitis C, hepatitis E, hepatitis G, hepatitis I, hepatitis J, hepatitis K, hepatitis L, hepatitis M, hepatitis N, hepatitis O, hepatitis P, and hepatitis Q)																	
MMR20 (MMR with pertussis, zoster, meningococcal, hepatitis B, hepatitis A, hepatitis B, hepatitis C, hepatitis E, hepatitis G, hepatitis I, hepatitis J, hepatitis K, hepatitis L, hepatitis M, hepatitis N, hepatitis O, hepatitis P, hepatitis Q, and hepatitis R)																	
MMR21 (MMR with pertussis, zoster, meningococcal, hepatitis B, hepatitis A, hepatitis B, hepatitis C, hepatitis E, hepatitis G, hepatitis I, hepatitis J, hepatitis K, hepatitis L, hepatitis M, hepatitis N, hepatitis O, hepatitis P, hepatitis Q, hepatitis R, and hepatitis S)																	
MMR22 (MMR with pertussis, zoster, meningococcal, hepatitis B, hepatitis A, hepatitis B, hepatitis C, hepatitis E, hepatitis G, hepatitis I, hepatitis J, hepatitis K, hepatitis L, hepatitis M, hepatitis N, hepatitis O, hepatitis P, hepatitis Q, hepatitis R, hepatitis S, and hepatitis T)																	
MMR23 (MMR with pertussis, zoster, meningococcal, hepatitis B, hepatitis A, hepatitis B, hepatitis C, hepatitis E, hepatitis G, hepatitis I, hepatitis J, hepatitis K, hepatitis L, hepatitis M, hepatitis N, hepatitis O, hepatitis P, hepatitis Q, hepatitis R, hepatitis S, hepatitis T, and hepatitis U)																	
MMR24 (MMR with pertussis, zoster, meningococcal, hepatitis B, hepatitis A, hepatitis B, hepatitis C, hepatitis E, hepatitis G, hepatitis I, hepatitis J, hepatitis K, hepatitis L, hepatitis M, hepatitis N, hepatitis O, hepatitis P, hepatitis Q, hepatitis R, hepatitis S, hepatitis T, hepatitis U, and hepatitis V)																	
MMR25 (MMR with pertussis, zoster, meningococcal, hepatitis B, hepatitis A, hepatitis B, hepatitis C, hepatitis E, hepatitis G, hepatitis I, hepatitis J, hepatitis K, hepatitis L, hepatitis M, hepatitis N, hepatitis O, hepatitis P, hepatitis Q, hepatitis R, hepatitis S, hepatitis T, hepatitis U, hepatitis V, and hepatitis W)																	
MMR26 (MMR with pertussis, zoster, meningococcal, hepatitis B, hepatitis A, hepatitis B, hepatitis C, hepatitis E, hepatitis G, hepatitis I, hepatitis J, hepatitis K, hepatitis L, hepatitis M, hepatitis N, hepatitis O, hepatitis P, hepatitis Q, hepatitis R, hepatitis S, hepatitis T, hepatitis U, hepatitis V, hepatitis W, and hepatitis X)																	
MMR27 (MMR with pertussis, zoster, meningococcal, hepatitis B, hepatitis A, hepatitis B, hepatitis C, hepatitis E, hepatitis G, hepatitis I, hepatitis J, hepatitis K, hepatitis L, hepatitis M, hepatitis N, hepatitis O, hepatitis P, hepatitis Q, hepatitis R, hepatitis S, hepatitis T, hepatitis U, hepatitis V, hepatitis W, hepatitis X, and hepatitis Y)																	
MMR28 (MMR with pertussis, zoster, meningococcal, hepatitis B, hepatitis A, hepatitis B, hepatitis C, hepatitis E, hepatitis G, hepatitis I, hepatitis J, hepatitis K, hepatitis L, hepatitis M, hepatitis N, hepatitis O, hepatitis P, hepatitis Q, hepatitis R, hepatitis S, hepatitis T, hepatitis U, hepatitis V, hepatitis W, hepatitis X, hepatitis Y, and hepatitis Z)																	

Recommended Immunization Schedule for Adults Aged 19 Years and Older, U.S., 2023

This schedule for adult vaccination provides recommendations by age group as well as by medical condition, essential footnotes, and a summary of contraindications and precautions for adult vaccine use.



[MMWR article](#)



Table 1 Recommended Adult Immunization Schedule by Age Group, United States, 2023

Vaccine	19-26 years	27-49 years	50-64 years	≥65 years
COVID-19		2- or 3-dose primary series and booster (See Notes)		
Influenza inactivated (IIV) or influenza recombinant (RIV)		1 dose annually		
Influenza live, attenuated (LAIV)		1 dose annually		
Tetanus, diphtheria, pertussis (Tdap or Td)		1 dose Tdap each pregnancy; 1 dose Td Tdap for wound management (see notes)		
Tetanus, diphtheria, pertussis (Tdap or Td)		1 dose Tdap, then Td or Tdap booster every 10 years		
Measles, mumps, rubella (MMR)		1 or 2 doses depending on indication (if born in 1957 or later)		For healthcare personnel, see notes
Varicella (VZV)		2 doses (if born in 1980 or later)		3 doses
Zoster recombinant (RZV)		2 doses for immunocompromising conditions (see notes)		2 doses
Human papillomavirus (HPV)	2 or 3 doses depending on age at initial vaccination or condition	27 through 45 years		
Pneumococcal (PCV15, PCV20, PPSV23)		1 dose PCV15 followed by PPSV23 OR 1 dose PCV20 (see notes)		See Notes
Hepatitis A (HepA)		2, 3, or 4 doses depending on vaccine		See Notes
Hepatitis B (HepB)		2, 3, or 4 doses depending on vaccine or condition		
Meningococcal A, C, W, Y (MenACWY)		1 or 2 doses depending on indication, see notes for booster recommendations		
Meningococcal B (MenB)		2 or 3 doses depending on vaccine and indication, see notes for booster recommendations		
Meningococcal B (MenB)		19 through 23 years		
Herpes zoster virus type 2 (HZV2)		1 or 3 doses depending on indication		

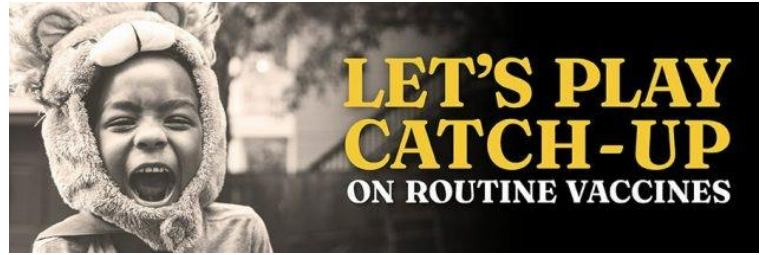
What Vaccines Does Your Child Need?



[Infants and Children: Birth to 6
Years](#)



[Preteens and Teens: 7 to 18
Years](#)



[Resources to Encourage Routine Childhood Vaccinations](#)