

RECOMMENDED ADULT IMMUNIZATION SCHEDULE BY AGE GROUP

UNITED STATES

2022

Vaccine	19–26 years	27–49 years	50–64 years	≥65 years
Influenza inactivated (IIV4) or Influenza recombinant (RIV4) <i>or</i> Influenza live, attenuated (LAIV4)	1 dose annually			
Tetanus, diphtheria, pertussis (Tdap or Td)	1 dose Tdap each pregnancy; 1 dose Td/Tdap for wound management (see notes)			
Measles, mumps, rubella (MMR)	1 dose Tdap, then Td or Tdap booster every 10 years			
Varicella (VAR)	1 or 2 doses depending on indication (if born in 1957 or later)			
Zoster recombinant (RZV)	2 doses (if born in 1980 or later)		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)			1 dose PCV15 followed by PPSV23 OR 1 dose PCV20
Hepatitis A (HepA)	2 or 3 doses depending on vaccine			
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			
Haemophilus influenzae type b (Hib)	19 through 23 years			
	1 or 3 doses depending on indication			

 Recommended vaccination for adults who meet age requirement, lack documentation of vaccination, or lack evidence of past infection
 Recommended vaccination for adults with an additional risk factor or another indication
 Recommended vaccination based on shared clinical decision-making
 No recommendation/Not applicable

RECOMMENDED ADULT IMMUNIZATION SCHEDULE BY MEDICAL CONDITION OR OTHER INDICATION

UNITED STATES

2022

Vaccine	Pregnancy	Immuno-compromised (excluding HIV infection)	HIV infection CD4 percentage and count		Asplenia, complement deficiencies	End-stage renal disease, or on hemodialysis	Heart or lung disease; alcoholism ¹	Chronic liver disease	Diabetes	Health care personnel ²	Men who have sex with men
			<15% or <200 mm ³	≥15% and ≥200 mm ³							
IIV4 or RIV4 <i>or</i> LAIV4			1 dose annually								1 dose annually
Tdap or Td	1 dose Tdap each pregnancy		1 dose Tdap, then Td or Tdap booster every 10 years								
MMR	Contraindicated*	Contraindicated	1 or 2 doses depending on indication								
VAR	Contraindicated*	Contraindicated									2 doses
RZV			2 doses at age ≥19 years			2 doses at age ≥50 years					
HPV	Not Recommended*		3 doses through age 26 years			2 or 3 doses through age 26 years depending on age at initial vaccination or condition					
Pneumococcal (PCV15, PCV20, PPSV23)			1 dose PCV15 followed by PPSV23 OR 1 dose PCV20 (see notes)								
HepA			2 or 3 doses depending on vaccine								
HepB	3 doses (see notes)		2, 3, or 4 doses depending on vaccine or condition								
MenACWY			1 or 2 doses depending on indication, see notes for booster recommendations								
MenB	Precaution		2 or 3 doses depending on vaccine and indication, see notes for booster recommendations								
Hib		3 doses HSCT ³ recipients only			1 dose						

 Recommended vaccination for adults who meet age requirement, lack documentation of vaccination, or lack evidence of past infection
 Recommended vaccination for adults with an additional risk factor or another indication
 Recommended vaccination based on shared clinical decision-making
 Precaution—vaccination might be indicated if benefit of protection outweighs risk of adverse reaction
 Contraindicated or not recommended—vaccine should not be administered.
 No recommendation/Not applicable

*Vaccinate after pregnancy.

1. Precaution for LAIV4 does not apply to alcoholism. 2. See notes for influenza; hepatitis B; measles, mumps, and rubella; and varicella vaccinations. 3. Hematopoietic stem cell transplant.

VACCINES IN THE ADULT IMMUNIZATION SCHEDULE*

Vaccine	Abbreviation(s)	Trade name(s)
<i>Haemophilus influenzae</i> type b vaccine	Hib	ActHIB® Hiberix® PedvaxHIB®
Hepatitis A vaccine	HepA	Havrix® Vaqta®
Hepatitis A and hepatitis B vaccine	HepA-HepB	Twinrix®
Hepatitis B vaccine	HepB	Engerix-B® Recombivax HB® Heplisav-B®
Human papillomavirus vaccine	HPV	Gardasil 9®
Influenza vaccine (inactivated)	IIV4	Many brands
Influenza vaccine (live, attenuated)	LAIV4	FluMist® Quadrivalent
Influenza vaccine (recombinant)	RIV4	Flublok® Quadrivalent
Measles, mumps, and rubella vaccine	MMR	M-M-R II®
Meningococcal serogroups A, C, W, Y vaccine	MenACWY-D MenACWY-CRM MenACWY-TT	Menactra® Menveo® MenQuadfi®
Meningococcal serogroup B vaccine	MenB-4C MenB-FHbp	Bexsero® Trumenba®
Pneumococcal 15-valent conjugate vaccine	PCV15	Vaxneuvance™
Pneumococcal 20-valent conjugate vaccine	PCV20	Prevnar 20™
Pneumococcal 23-valent polysaccharide vaccine	PPSV23	Pneumovax 23®
Tetanus and diphtheria toxoids	Td	Tenivac® Tdvax™
Tetanus and diphtheria toxoids and acellular pertussis vaccine	Tdap	Adacel® Boostrix®
Varicella vaccine	VAR	Varivax®
Zoster vaccine, recombinant	RZV	Shingrix

*Administer recommended vaccines if vaccination history is incomplete or unknown. Do not restart or add doses to vaccine series if there are extended intervals between doses. The use of trade names is for identification purposes only and does not imply endorsement by the ACIP or CDC.

QUICK REFERENCE: RECOMMENDED VACCINATIONS FOR ADULTS

Influenza	Annually.
Tetanus	A booster dose is given every 10 years, or after 5 years in the case of a severe or dirty wound or burn.
Tdap	Adults 19 or older who have never received a dose of Tdap should get one as soon as feasible. This should be followed by either a Td or Tdap shot every 10 years. Pregnant women should get a dose of Tdap during each pregnancy, preferably during the early part of gestation in weeks 27 through 36.
Pneumococcal	Adults 65 or older, people 2 through 64 years old with certain medical conditions, and adults 19 through 64 years old who smoke cigarettes.
Herpes zoster (shingles)	Immunocompetent adults age 50 years and older.
Hepatitis A	Adults at risk for infection or severe disease from hepatitis A virus and for adults requesting protection against hepatitis A virus without acknowledging a risk factor. In some cases, vaccination before travel, for postexposure prophylaxis, in settings providing services to adults, and during outbreaks.
Hepatitis B	In 2022, any adult age 19 through 59 who has not previously been vaccinated or adults age 60 and older who have risk factors for hepatitis B virus.
HPV	Everyone through age 26 years if not adequately vaccinated previously. Vaccination is not recommended for everyone older than age 26. However, some adults age 27 through 45 may decide to get the HPV vaccine based on clinician guidance.

Notes: Tdap is tetanus, diphtheria, and pertussis. Td is tetanus and diphtheria. HPV is human papillomavirus.
Source: CDC, 2021 e, 2021f.