

Table 2 Recommended Adult Immunization Schedule by Medical Condition and Other Indications, United States, 2021

Vaccine	Pregnancy	Immuno-compromised (excluding HIV infection)	HIV infection CD4 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	
			<200 mm ³	≥200 mm ³								
IIV or RIV4 <i>or</i>	1 dose annually											
LAIV4	Not Recommended					Precaution				<i>or</i> 1 dose annually		
Tdap or Td	1 dose Tdap each pregnancy	1 dose Tdap, then Td or Tdap booster every 10 years										
MMR	Not Recommended*	Not Recommended		1 or 2 doses depending on indication								
VAR	Not Recommended*	Not Recommended		2 doses								
RZV				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							
PCV13	1 dose											
PPSV23	1, 2, or 3 doses depending on age and indication											
HepA					2 or 3 doses depending on vaccine							
HepB					2, 3, or 4 doses depending on vaccine or condition						<60 years ≥60 years	
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
 Precaution—vaccination might be indicated if benefit of protection outweighs risk of adverse reaction
 Recommended vaccination based on shared clinical decision-making
 Not recommended/contraindicated—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.