

**TABLE 4. RECOMMENDED ADULT IMMUNIZATION SCHEDULE BY AGE GROUP, UNITED STATES, 2023**

VACCINE	19–26 YEARS	27–49 YEARS	50–64 YEARS	65 YEARS AND UP
<b>COVID 19</b>	2- or 3-dose primary series and booster (see notes)			
<b>Influenza inactivated (IIV4) or influenza recombinant (RIV4)</b>	1 dose annually			
<b>Influenza live, attenuated (LAIV4)</b>	1 dose annually			
<b>Tetanus, diphtheria, pertussis (Tdap or Td)</b>	1 dose Tdap each pregnancy; 1 dose Td/Tdap for wound management (see notes)			
	1 dose Tdap, then Td or Tdap booster every 10 years			
<b>Measles, mumps, rubella (MMR)</b>	1 or 2 doses depending on indication (if born in 1957 or later)			For health care personnel, see notes
<b>Varicella (Var)</b>	2 doses (if born in 1980 or later)		2 doses	
<b>Zoster recombinant (RZV)</b>	2 doses for immunocompromising conditions (see notes)		2 doses	
<b>Human papillomavirus (HPV)</b>	2 or 3 doses depending on age at initial vaccination or condition	27 through 45 years		
<b>Pneumococcal (PCV15, PCV20, PPSV23)</b>	1 dose PCV15 followed by PPSV23 OR 1 dose PCV20 (see notes)			1 dose PCV15 followed by PPSV23 OR 1 dose PCV20
<b>Hepatitis A (HepA)</b>	2, 3, or 4 doses depending on vaccine			
<b>Hepatitis b (HepB)</b>	2, 3, or 4 doses depending on vaccine or condition		2, 3, or 4 doses depending on vaccine or condition	
<b>Meningococcal A, C, W, Y (MenACWY)</b>	1 or 2 doses depending on indication (see notes for booster recommendations)			
<b>Meningococcal B (MenB)</b>	2 or 3 doses depending on vaccine and indication (see notes for booster recommendations)			
	19 through 23 years			
<b>Haemophilus influenzae type b (Hib)</b>	1 or 2 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