

# Recommended Adult Immunization Schedule – United States, 2018

These figures should be reviewed with the accompanying footnotes. Figures 1 and 2 and the footnotes describe indications for which vaccines, if not previously administered, should be administered unless otherwise noted.

**Figure 1. Recommended immunization schedule for adults ages 19 years or older by age group**

Vaccine	19–21 years	22–26 years	27–49 years	50–64 years	≥65 years
Influenza <sup>1</sup>	1 dose annually				
Tetanus, diphtheria, pertussis (Tdap/Td) <sup>2</sup>	1 dose Tdap, then Td booster every 10 yrs				
Measles, mumps, rubella (MMR) <sup>3</sup>	1 or 2 doses depending on indication (if born in 1957 or later)				
Varicella (VAR) <sup>4</sup>	2 doses				
Zoster, recombinant (RZV) <sup>5</sup> (preferred) or Zoster, live (ZVL) <sup>5</sup>				2 doses RZV (preferred) or 1 dose ZVL	
Human papillomavirus (HPV) Female <sup>6</sup>	2 or 3 doses depending on age at series initiation				
Human papillomavirus (HPV) Male <sup>6</sup>	2 or 3 doses depending on age at series initiation				
Pneumococcal 13-valent conjugate (PCV13) <sup>7</sup>					1 dose
Pneumococcal polysaccharide (PPSV23) <sup>7</sup>	1 or 2 doses depending on indication				1 dose
Hepatitis A <sup>8</sup>	2 or 3 doses depending on vaccine				
Hepatitis B <sup>9</sup>	3 doses				
Meningococcal A, C, W, Y (MenACWY) <sup>10</sup>	1 or 2 doses depending on indication, then booster every 5 years if risk remains				
Meningococcal B (MenB) <sup>10</sup>	2 or 3 doses depending on vaccine				
<i>Haemophilus influenzae</i> type b (Hib) <sup>11</sup>	1 or 3 doses depending on indication				

**Figure 2. Recommended immunization schedule for adults 19 yrs or older by medical condition and other indications**

Indication ▶ Vaccine ▼	Pregnancy <sup>1-6</sup>	Immuno-compromised (excluding HIV infection) <sup>3-7,11</sup>	HIV infection CD4+ count (cells/μL) <sup>3-7,9-10</sup>		Asplenia, complement deficiencies <sup>7,10,11</sup>	End-stage renal disease, on hemodialysis <sup>7,9</sup>	Heart or lung disease, alcoholism <sup>7</sup>	Chronic liver disease <sup>7-9</sup>	Diabetes <sup>7,9</sup>	Healthcare personnel <sup>3,4,9</sup>	Men who have sex with men <sup>6,8,9</sup>
			<200	≥200							
Influenza <sup>1</sup>	1 dose annually										
Tdap <sup>2</sup> or Td <sup>2</sup>	1 dose Tdap each pregnancy	1 dose Tdap, then Td booster every 10 yrs									
MMR <sup>3</sup>	Contraindicated		1 or 2 doses depending on indication								
Varicella <sup>4</sup>	Contraindicated		2 doses								
RZV <sup>5</sup> (preferred) or ZVL <sup>5</sup>	Contraindicated		2 doses RZV at age ≥50 years (preferred) or 1 dose ZVL at age ≥60 years								
HPV–Female <sup>6</sup>	3 doses through age 26 yrs		2 or 3 doses through age 26 yrs								
HPV–Male <sup>6</sup>	3 doses through age 26 yrs		2 or 3 doses through age 21 yrs								2 or 3 doses through age 26 yrs
PCV13 <sup>7</sup>	1 dose										
PPSV23 <sup>7</sup>	1, 2, or 3 doses depending on indication										
Hepatitis A <sup>8</sup>	2 or 3 doses depending on vaccine										
Hepatitis B <sup>9</sup>	3 doses										
MenACWY <sup>10</sup>	1 or 2 doses depending on indication, then booster every 5 years if risk remains										
MenB <sup>10</sup>	2 or 3 doses depending on vaccine										
Hib <sup>11</sup>	3 doses HSCT recipients only		1 dose								

Recommended for adults who meet the age requirement, lack documentation of vaccination, or lack evidence of past infection
  Recommended for adults with other indications
  Contraindicated
  No recommendation

The recommendations in this schedule were approved by the Centers for Disease Control and Prevention's (CDC) Advisory Committee on Immunization Practices (ACIP), the American Academy of Family Physicians (AAFP), the American College of Physicians (ACP), American College of Obstetricians and Gynecologists (ACOG), and American College of Nurse-Midwives (ACNM).