

Figure 1. Recommended immunization schedule for adults aged 19 years or older, by age group, United States, 2018.

This figure should be reviewed with the accompanying footnotes. This figure and the footnotes describe indications for which vaccines, if not previously administered, should be administered unless noted otherwise.

Vaccine	19–21 years	22–26 years	27–49 years	50–64 years	≥65 years
Influenza ¹	1 dose annually				
Tdap ² or Td ²	1 dose Tdap, then Td booster every 10 yrs				
MMR ³	1 or 2 doses depending on indication (if born in 1957 or later)				
VAR ⁴	2 doses				
RZV ⁵ (preferred) or ZVL ⁵				2 doses RZV (preferred) or 1 dose ZVL	
HPV–Female ⁶	2 or 3 doses depending on age at series initiation				
HPV–Male ⁶	2 or 3 doses depending on age at series initiation				
PCV13 ⁷	1 dose				
PPSV23 ⁷	1 or 2 doses depending on indication				1 dose
HepA ⁸	2 or 3 doses depending on vaccine				
HepB ⁹	3 doses				
MenACWY ¹⁰	1 or 2 doses depending on indication, then booster every 5 yrs if risk remains				
MenB ¹⁰	2 or 3 doses depending on vaccine				
Hib ¹¹	1 or 3 doses depending on indication				

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

Figure 2. Recommended immunization schedule for adults aged 19 years or older, by medical condition and other indications, United States, 2018.

This figure should be reviewed with the accompanying footnotes. This figure and the footnotes describe indications for which vaccines, if not previously administered, should be administered unless noted otherwise.

Vaccine	Pregnancy ¹⁻⁶	Immuno-compromised (excluding HIV infection) ^{3-7,11}	HIV infection CD4+ count (cells/ μ L) ^{3-7,9-10}		Asplenia, complement deficiencies ^{7,10,11}	End-stage renal disease, on hemodialysis ^{7,9}	Heart or lung disease, alcoholism ⁷	Chronic liver disease ⁷⁻⁹	Diabetes ^{7,9}	Health care personnel ^{3,4,9}	Men who have sex with men ^{6,8,9}	
			< 200	\geq 200								
Influenza ¹												1 dose annually
Tdap ² or Td ²	1 dose Tdap each pregnancy											1 dose Tdap, then Td booster every 10 yrs
MMR ³		contraindicated										1 or 2 doses depending on indication
VAR ⁴		contraindicated										2 doses
RZV ⁵ (preferred) or ZVL ⁵												2 doses RZV at age \geq 50 yrs (preferred) or 1 dose ZVL at age \geq 60 yrs
HPV-Female ⁶			3 doses through age 26 yrs									2 or 3 doses through age 26 yrs
HPV-Male ⁶			3 doses through age 26 yrs									2 or 3 doses through age 26 yrs
PCV13 ⁷												1 dose
PPSV23 ⁷												1, 2, or 3 doses depending on indication
HepA ⁸												2 or 3 doses depending on vaccine
HepB ⁹												3 doses
MenACWY ¹⁰												1 or 2 doses depending on indication, then booster every 5 yrs if risk remains
MenB ¹⁰												2 or 3 doses depending on vaccine
Hib ¹¹			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