

## Administering Vaccines to Adults: Dose, Route, Site, and Needle Size

Vaccine	Dose	Route
Hepatitis A (HepA)	≤18 yrs: 0.5 mL	IM
	≥19 yrs: 1.0 mL	
Hepatitis B (HepB)	≤19 yrs: 0.5 mL	IM
	≥20 yrs: 1.0 mL	
HepA-HepB (Twinrix)	≥18 yrs: 1.0 mL	IM
Human papillomavirus (HPV)	0.5 mL	IM
Influenza, live attenuated (LAIV)	0.2 mL (0.1 mL into each nostril)	Intranasal spray
Influenza, trivalent inactivated (TIV), including Fluzone High-Dose	0.5 mL	IM
Influenza (TIV) Fluzone Intradermal, for ages 18 through 64 years	0.1 mL	Intradermal
Measles, Mumps, Rubella (MMR)	0.5 mL	SC
Meningococcal, conjugate (MCV4)	0.5 mL	IM
Meningococcal, polysaccharide (MPSV4)	0.5 mL	SC
Pneumococcal, conjugate (PCV13)	0.5 mL	IM
Pneumococcal, polysaccharide (PPSV)	0.5 mL	IM
		SC
Tetanus, Diphtheria (Td) with Pertussis (Tdap)	0.5 mL	IM
Varicella (VAR)	0.5 mL	SC
Zoster (Zos)	0.65 mL	SC

Injection Site and Needle Size	
<b>Subcutaneous (SC) injection</b>	
Use a 23–25 gauge, 5/8", needle. Inject in fatty tissue over triceps.	
<b>Intramuscular (IM) injection</b>	
Use a 22–25 gauge needle. Inject in deltoid muscle of arm. Choose the needle length as indicated below:	
Gender/Weight	Needle Length
Male or female less than 130 lbs	5/8"*-1"
Female 130–200 lbs	1–1½"
Male 130–260 lbs	
Female 200+ lbs	1½"
Male 260+ lbs	

\*A 5/8" needle may be used for patients weighing less than 130 lbs (<60 kg) for IM injection in the deltoid muscle only if the subcutaneous tissue is not bunched and the injection is made at a 90-degree angle.