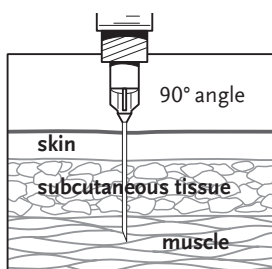


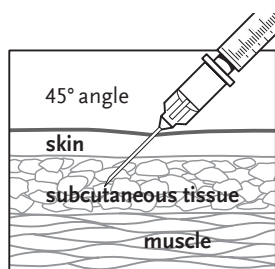
Administering Vaccines: Dose, Route, Site, and Needle Size

Vaccine	Dose	Route	Injection Site and Needle Size		
Diphtheria, Tetanus, Pertussis (DTaP, DT, Tdap, Td)	0.5 mL	IM	Subcutaneous (Subcut) injection Use a 23–25 gauge needle. Choose the injection site that is appropriate to the person's age and body mass.		
<i>Haemophilus influenzae</i> type b (Hib)	0.5 mL	IM	AGE	NEEDLE LENGTH	INJECTION SITE
Hepatitis A (HepA)	≤18 yrs: 0.5 mL ≥19 yrs: 1.0 mL	IM	Infants (1–12 mos)	5/8"	Fatty tissue over anterolateral thigh muscle
Hepatitis B (HepB) <i>Persons 11–15 yrs may be given Recombivax HB (Merck) 1.0 mL adult formulation on a 2-dose schedule.</i>	≤19 yrs: 0.5 mL ≥20 yrs: 1.0 mL	IM	Children 12 mos or older, adolescents, and adults	5/8"	Fatty tissue over anterolateral thigh muscle or fatty tissue over triceps
Human papillomavirus (HPV)	0.5 mL	IM	Intramuscular (IM) injection Use a 22–25 gauge needle. Choose the injection site and needle length that is appropriate to the person's age and body mass.		
Influenza, live attenuated (LAIV)	0.2 mL (0.1 mL in each nostril)	Intranasal spray	AGE	NEEDLE LENGTH	INJECTION SITE
Influenza, inactivated (IIV); for ages 6–35 months	Fluzone: 0.25 mL FluLaval: 0.5 mL	IM	Newborns (1st 28 days)	5/8"	Anterolateral thigh muscle
Influenza, inactivated (IIV), for ages 3 years & older; recombinant (RIV), for ages 18 years and older	0.5 mL	IM	Infants (1–12 mos)	1"	Anterolateral thigh muscle
Influenza (IIV) Fluzone Intradermal, for ages 18 through 64 years	0.1 mL	ID	Toddlers (1–2 years)	1–1¼"	Anterolateral thigh muscle
Measles, Mumps, Rubella (MMR)	0.5 mL	Subcut		5/8–1"	Deltoid muscle of arm
Meningococcal conjugate (MCV4 [MenACWY])	0.5 mL	IM	Children (3–10 years)	5/8–1"* 1–1¼"	Deltoid muscle of arm Anterolateral thigh muscle
Meningococcal serogroup B (MenB)	0.5 mL	IM	Adolescents and teens (11–18 years)	5/8–1"* 1–1½"	Deltoid muscle of arm Anterolateral thigh muscle
Pneumococcal conjugate (PCV)	0.5 mL	IM	Adults 19 years or older		
Pneumococcal polysaccharide (PPSV)	0.5 mL	IM or Subcut	Female or male <130 lbs	5/8–1"*	Deltoid muscle of arm
Polio, inactivated (IPV)	0.5 mL	IM or Subcut	Female or male 130–152 lbs	1"	Deltoid muscle of arm
Rotavirus (RV)	Rotarix: 1.0 mL Rotateq: 2.0 mL	Oral	Female 153–200 lbs Male 153–260 lbs	1–1½"	Deltoid muscle of arm
Varicella (Var)	0.5 mL	Subcut	Female 200+ lbs Male 260+ lbs	1½"	Deltoid muscle of arm
Zoster (Zos)	0.65 mL	Subcut	* 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 skin stretched tight, the subcutaneous tissue is not bunched, and the injection is made at a 90-degree angle.		
Combination Vaccines			NOTE: Always refer to the package insert included with each biologic for complete vaccine administration information. CDC's Advisory Committee on Immunization Practices (ACIP) recommendations for the particular vaccine should be reviewed as well. Access the ACIP recommendations at www.immunize.org/acip .		
DTaP-HepB-IPV (Pediarix) DTaP-IPV/Hib (Pentacel) DTaP-IPV (Kinrix; Quadracel)	0.5 mL	IM			
MMRV (ProQuad)	≤12 yrs: 0.5 mL	Subcut			
HepA-HepB (Twinrix)	≥18 yrs: 1.0 mL	IM			

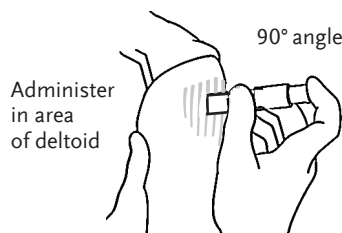
Intramuscular (IM) injection



Subcutaneous (Subcut) injection



Intradermal (ID) administration of Fluzone ID vaccine



Intranasal (NAS) administration of Flumist (LAIV) vaccine

