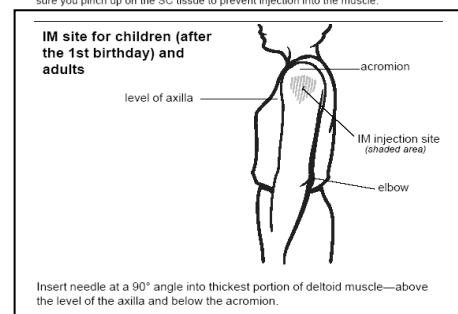
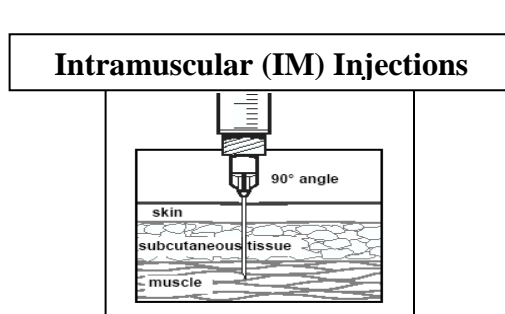
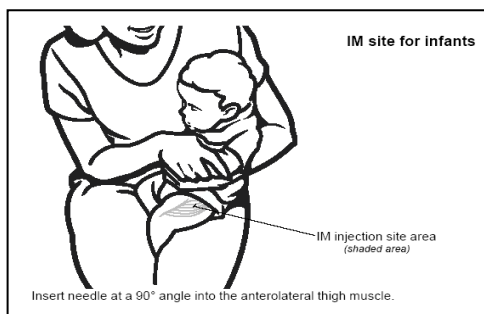
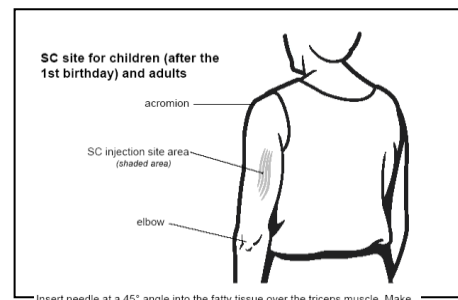
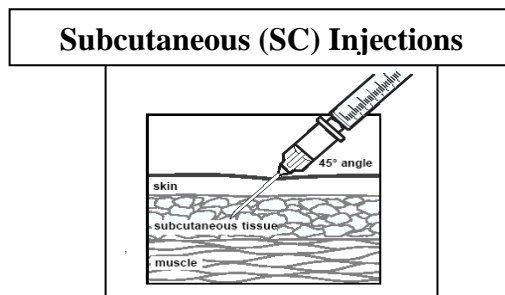
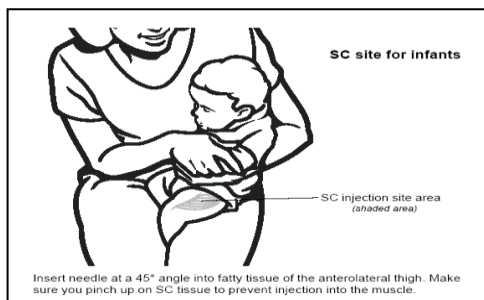


# Administering Vaccines: Dose, Route, Site, and Needle size

Vaccines	Dose	Route
Diphtheria, Tetanus, Pertussis (DTaP, DT, Tdap, Td)	0.5 mL	IM
Haemophilus influenzae type b (Hib)	0.5 mL	IM
Hepatitis A (Hep A) Pediatric	≤18 yrs: 0.5 mL	IM
Hepatitis A (Hep A) Adult	≥19 yrs: 1.0 mL	IM
Hepatitis B (Hep B) Ped/Adolescent *Persons 11-15 yrs may be given Recombivax HB® (Merck) 1.0 mL adult formulation on a 2-dose schedule	≤19 yrs: 0.5 mL	IM
Hepatitis B (Hep B) Adult	≥20 yrs: 1.0 mL	IM
Human papillomavirus (HPV)	0.5 mL	IM
Influenza, live attenuated (LAIV)	0.2 mL	Intra-nasal
Influenza, trivalent inactivated (TIV)	6-35 mos: 0.25 mL ≥3 yrs: 0.5 mL	IM
Measles, mumps, rubella (MMR)	0.5 mL	SC
Meningococcal, conjugated (MCV4)	0.5 mL	IM
Meningococcal, polysaccharide (MPSV4)	0.5 mL	SC
Pneumococcal conjugate (PCV)	0.5 mL	IM
Pneumococcal polysaccharide (PPV)	0.5 mL	IM or SC
Polio, inactivated (IPV)	0.5 mL	IM or SC
Rotavirus (Rv)	2.0 mL	oral
Varicella (Var)	0.5 mL	SC
Zoster (Zos)	0.65 mL	SC
<b>Combination Vaccines</b>		
DTaP+HepB+IPV (Pediatrix™) DtaP+Hib (Trihibit™) Hib+HepB (Comvax™) DTaP+IPV+Hib (Pentacel™) DTaP+IPV (Kinrix™)	0.5 mL	IM
MMR+Var (ProQuad)	≤12 yrs: 0.5 mL	SC
HepA+HepB (Twinrix®)	≥18 yrs: 1.0 mL	IM

Injection Site and Needle Size		
<b>Subcutaneous (SC) injection</b> Use a 23-25 gauge needle. Choose the injection site that is appropriate to the person's age and body mass		
Age	Needle Length	Injection Site
Infants (1-12 mos)	5/8"	Fatty tissue over antero-lateral thigh muscle
Children (≥12 mos), adolescents, and adults	5/8"	Fatty tissue over antero-lateral thigh muscle or fatty tissue over triceps
<b>Intramuscular (IM) injection</b> Use a 22-25 gauge needle. Choose the injection site and needle length appropriate to the person's age and body mass.		
Age	Needle Length	Injection Site
Newborns (1 <sup>st</sup> 28 days)	5/8"	Anterolateral thigh muscle
Infants (1-12 mos)	1"	Anterolateral thigh muscle
Toddlers (1-2 yrs)	1 – 1 1/4" (*See note)	Anterolateral thigh muscle or deltoid muscle of arm
Children & Teens age 3-18 yrs	1 – 1 1/4" (*See note)	Deltoid muscle of arm or anterolateral thigh muscle
<b>Adults ≥ age 19 yrs</b>		
Male or female less than 130 lbs	5/8" – 1" (*See note)	Deltoid muscle of arm
Female 130-200 lbs Male 130-260 lbs	1" – 1 1/2"	Deltoid muscle of arm
Female 200+ lbs Male 260+ lbs	1 1/2"	Deltoid muscle of arm
<b>Note: May use 5/8" needle <u>only</u> if skin is stretched tight and subcutaneous tissue is not bunched, and injection is made at 90° angle.</b>		



**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.**

Revised from IAC forms # P2020 (1/07) and #P3085 (8/07). Approved by UMHS Immunization Committee 1/2012