Anatomic Sites for **IMMUNIZATION**

INTRAMUSCULAR (IM)

Vaccines given intramuscularly (IM):

- Diphtheria-Tetanus-Pertussis
- · Haemophilus influenzae, type b
- Hepatitis A Hepatitis B Influenza
- Meningococcal Conjugate
- Pneumococcal Conjugate

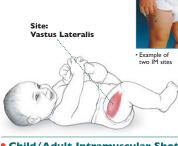


90°

Intramuscular (IM) Needle Size: 23-25 gauge

Needle Length: <u>l</u>"

Infant/Toddler Intramuscular Shot



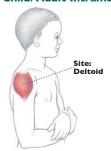


Age: 0-36 months

Intramuscular shots in infants and toddlers are usually given in the anterolateral thigh. The vastus lateralis muscle is on the outside of the leg in the mid- to upper-thigh.

Use 23–25 gauge, I" needle. Insert entire needle at 90°

Child/Adult Intramuscular Shot







Example of two IM sites



Age: 3 years-Adult

Intramuscular injections to children and adults are usually given in the upper arm. The deltoid muscle is found about 3 fingers below the acromion, above the level of the armpit.

Use 23–25 gauge, I" needle. Insert entire needle at 90° angle. A 11/2" needle may be needed for large adults.

SUBCUTANEOUS (SC)

Vaccines given subcutaneously (SC):

- Inactivated Polio Vaccine³
- Measles-Mumps-Rubella
- · Pneumococcal Polysaccharide*
- Varicella

*Can also be given IM



45°

Subcutaneous (SC) Needle Size: 25 gauge

Needle Length: 5/8"

Age: 0-36 months

Infant/Toddler Subcutaneous Shot







infants and toddlers are arm or in the fatty area of the thigh. The tissue is "pinched" up between the thumb and index finger.

Use 25 gauge, 5/8" needle. Insert entire needle at 45° angle.

Child/Adult Subcutaneous Shot





Age: 3 years-Adult

Given in the upper arm. The tissue on the back of the upper arm is "pinched" up between the thumb and index finger.

