

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

Vaccines	Dose	Route	Site	Needle Size
Diphtheria, Tetanus, Pertussis (DTaP, DT, Td)	0.5 mL	IM	Vastus lateralis: for infants (& toddlers lacking adequate deltoid mass); Deltoid: for toddlers, children & adults	22–25g, 1–2"
<i>Haemophilus influenzae</i> type b (Hib)	0.5 mL	IM	Vastus lateralis: for infants (& toddlers lacking adequate deltoid mass); Deltoid: for toddlers & children	22–25g, 1–2"
Hepatitis A (HepA)	≤18 yrs.: 0.5 mL ≥19 yrs.: 1.0 mL	IM	Vastus lateralis: for infants (& toddlers lacking adequate deltoid mass); Deltoid: for toddlers, children & adults	22–25g, 1–2"
Hepatitis B (HepB)	≤19 yrs.: 0.5 mL* ≥20 yrs.: 1.0 mL	IM	Vastus lateralis: for infants (& toddlers lacking adequate deltoid mass); Deltoid: for toddlers, children & adults	22–25g, 1–2"
Influenza, live attenuated (LAIV)	0.5 mL	Intranasal spray	Administer 0.25 mL dose into each nostril while patient is in an upright position	NA
Influenza, trivalent inactivated (TIV)	6-35 mos: 0.25 mL ≥3 yrs.: 0.5 mL	IM	Vastus lateralis: for infants (& toddlers lacking adequate deltoid mass); Deltoid: for toddlers, children & adults	22–25g, 1–2"
Measles, mumps, rubella (MMR)	0.5 mL	SC	Anterolateral fat of thigh: for young children Posterolateral fat of upper arm: for children & adults	23–25g, 5/8"
Meningococcal (Men)	0.5 mL	SC	Anterolateral fat of thigh: for young children Posterolateral fat of upper arm: for children & adults	23–25g, 5/8"
Pneumococcal conjugate (PCV)	0.5 mL	IM	Vastus lateralis: for infants (& toddlers lacking adequate deltoid mass); Deltoid: for toddlers & children	22–25g, 1–2"
Pneumococcal polysaccharide (PPV)	0.5 mL	IM	Deltoid	22–25g, 1–2"
		SC	Anterolateral fat of thigh: for young children Posterolateral fat of upper arm: for children & adults	23–25g, 5/8"
Polio, inactivated (IPV)	0.5 mL	IM	Vastus lateralis: for infants (& toddlers lacking adequate deltoid mass); Deltoid: for toddlers, children & adults	22–25g, 1–2"
		SC	Anterolateral fat of thigh: for infants & young children Posterolateral fat of upper arm: for children & adults	23–25g, 5/8"
Varicella (Var)	0.5 mL	SC	Anterolateral fat of thigh: for young children Posterolateral fat of upper arm: for children & adults	23–25g, 5/8"

*Persons 11 through 15 years of age may be given Recombivax HB® (Merck) 1.0 mL (adult formulation) on a 2-dose schedule.

Combination Vaccines

DTaP+HepB+IPV (Pediatrix™) DTaP+Hib (Trihibit™) Hib+HepB (Comvax™)	0.5 mL	IM	Vastus lateralis: for infants (& toddlers lacking adequate deltoid mass); Deltoid: for toddlers & children	22–25g, 1–2"
HepA+HepB (Twinrix®)	≥18 yrs.: 1.0 mL	IM	Deltoid	22–25g, 1–2"

Please note: Always refer to the package insert included with each biologic for complete vaccine administration information. The Advisory Committee on Immunization Practices (ACIP) statement for the particular vaccine should be reviewed as well.