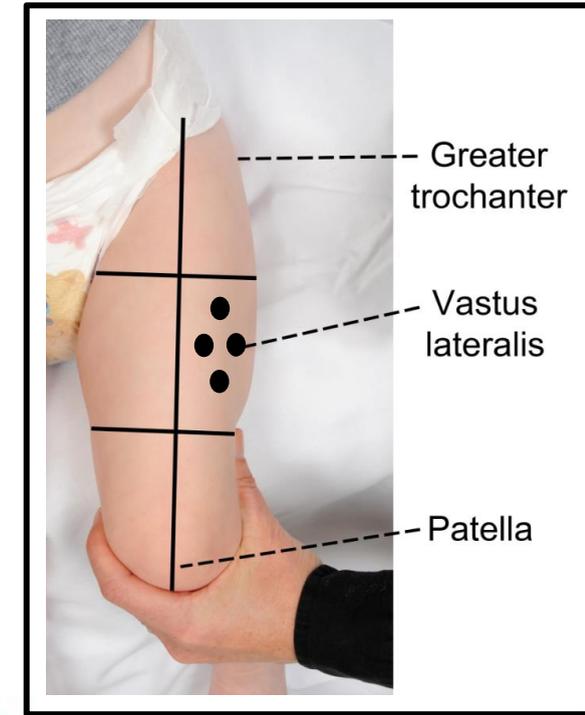
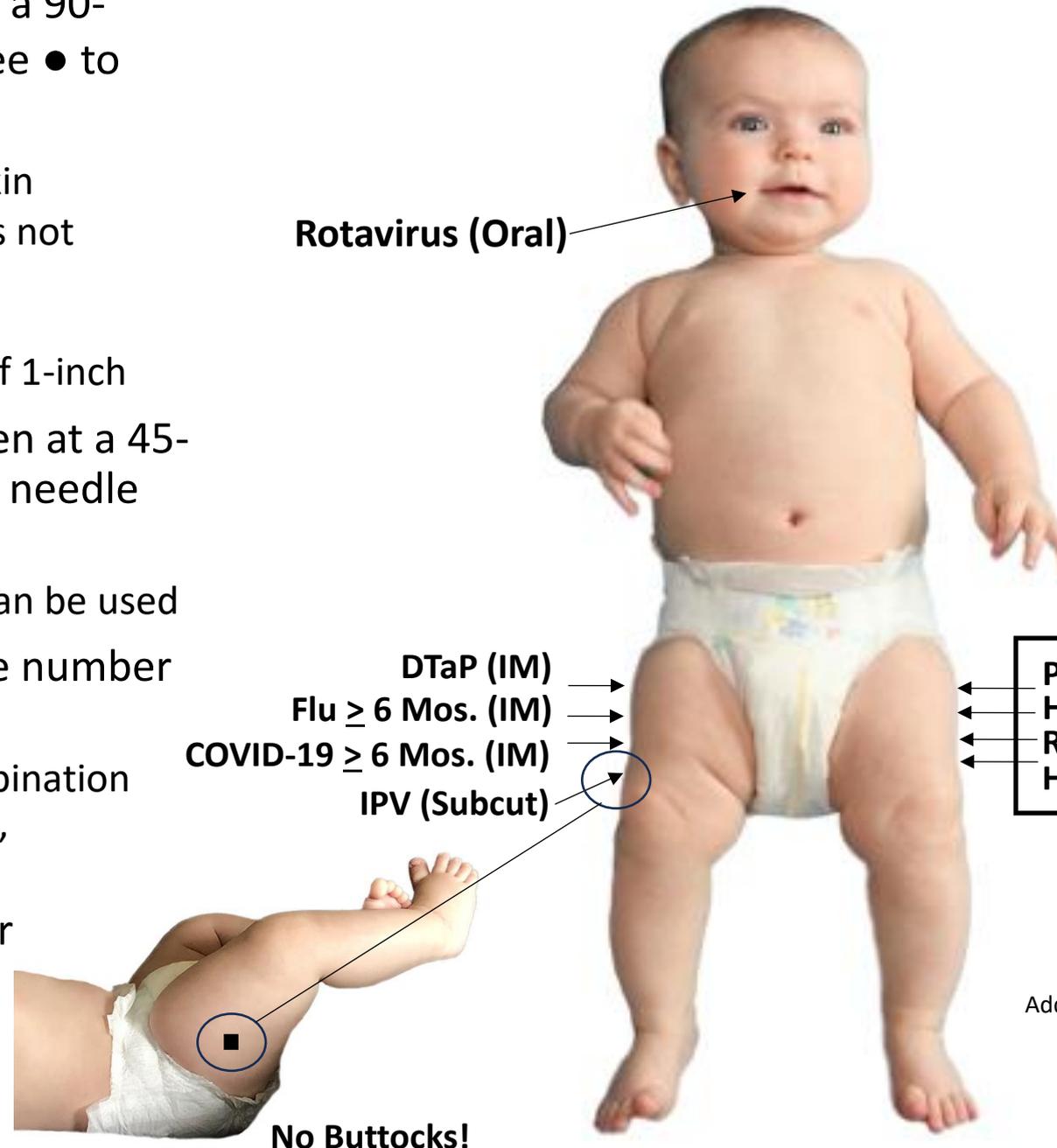


Giving All the Doses Under 12 Months

- **Intramuscular (IM)** injections are given at a 90-degree angle in the anterolateral thigh (see ● to the right for placement)
 - Use 5/8-inch for newborns (1- 28 days) if skin stretched tightly and subcutaneous tissue is not bunched
 - Use 1-inch needle for infants
 - Separate IM injection sites by a minimum of 1-inch
- **Subcutaneous (Subcut)** injections are given at a 45-degree angle in the thigh using a 5/8-inch needle (see ■ below for placement)
 - If necessary, the upper outer triceps area can be used
- Using combination vaccines decreases the number of injections
 - IPV must be given IM when given as a combination vaccine (e.g., DTaP-IPV/Hib, DTaP-IPV-HepB, DTaP-IPV-HIB-HepB)
- Administer vaccines likely to cause greater local reaction into separate limbs (e.g., DTaP, PCV)
- Give the most painful injections last (i.e., PCV)



PCV (IM)
Hib (IM)
RSV (IM)
HepB (IM)



Additional vaccines may be needed. This handout only displays routine vaccines. For additional vaccine administration information see: "Administering Vaccines: Dose, Route, Site, and Needle Size" at www.immunize.org/catg.d/p3085.pdf