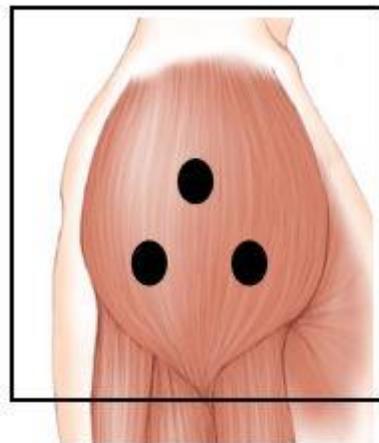


Giving All the Doses: Adolescents

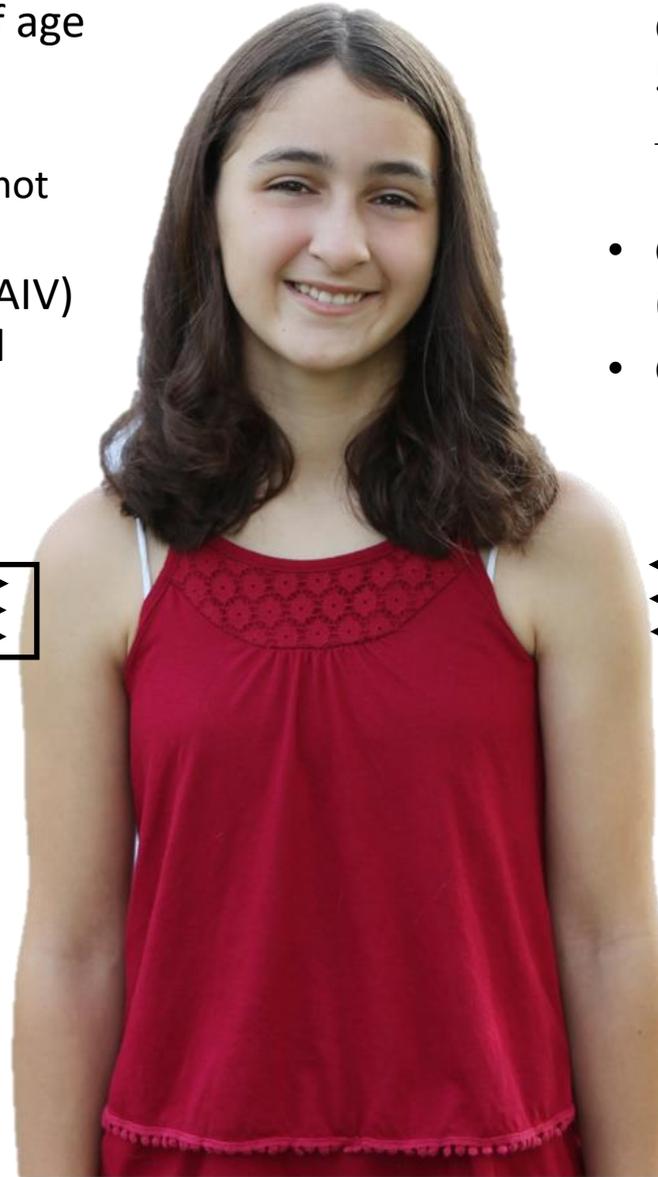
- **Intramuscular (IM)** injections are given at a 90-degree angle in the deltoid muscle (preferred site for 3 yrs. of age and older) using a 1-1.5-inch needle
 - Separate IM injection sites by a minimum of 1 inch
 - The anterolateral thigh is an alternative site if deltoid cannot be used
- **Intranasal (NAS)** Live Attenuated Influenza Vaccine (LAIV) is licensed only for healthy non-pregnant people aged 2 through 49 years and is administered intranasally (not shown in the example)

- **Subcutaneous (Subcut)** injections are given at a 45-degree angle in the upper outer triceps area using a 5/8-inch needle
 - The thigh is an alternative site if outer triceps area cannot be used
- Give vaccines likely to cause greater local reaction (e.g., Tdap, MenACWY) in separate limbs
- Give the most painful injections last

Tdap (IM)
HPV (IM)
MenB (IM)
(Bexsero, Trumenba)



No Buttocks!



COVID-19 (IM)
Inactivated Influenza (IM)
MenACWY (IM)
(MenQuadfi, Menveo)
VAR (Subcut*)

*Varicella vaccine can also be given IM in the deltoid muscle

Give other vaccines as needed (to bring up-to-date or if high-risk):
MMR II (IM or Subcut), MMR Priorix (Subcut only), HepA (IM), HepB (IM), IPV (IM or Subcut), Mpox (Subcut), RSV (IM), and Pneumococcal (IM)

For additional vaccine administration information see:
“Administering Vaccines: Dose, Route, Site, and Needle Size”
at www.immunize.org/catg.d/p3085.pdf