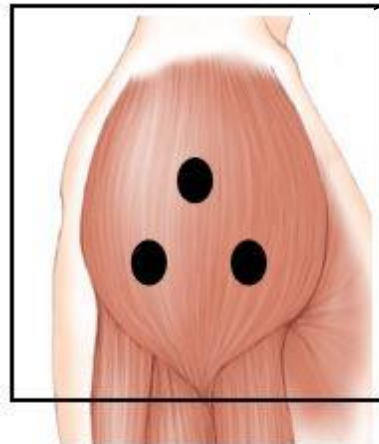


# Giving All the Doses: Adolescents

- **Intramuscular (IM)** injections are given at a 90° angle in the deltoid muscle (preferred site for 3 yrs. and older) using a 1-1 ½" needle
  - Separate IM injection sites by a minimum of 1"
  - The anterolateral thigh is an alternative site if deltoid cannot be used

- **Subcutaneous (Subcut)** injections are given in the upper outer triceps area at a 45° angle using a 5/8" 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 (i.e., HPV)

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



**No Buttocks!**



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

Give other vaccines as needed (to bring up-to-date, high-risk): MMR (Subcut), HepA (IM), HepB (IM), IPV (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](http://www.immunize.org/catg.d/p3085.pdf)