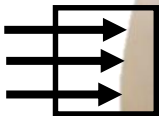


# Giving All the Doses: Adolescents

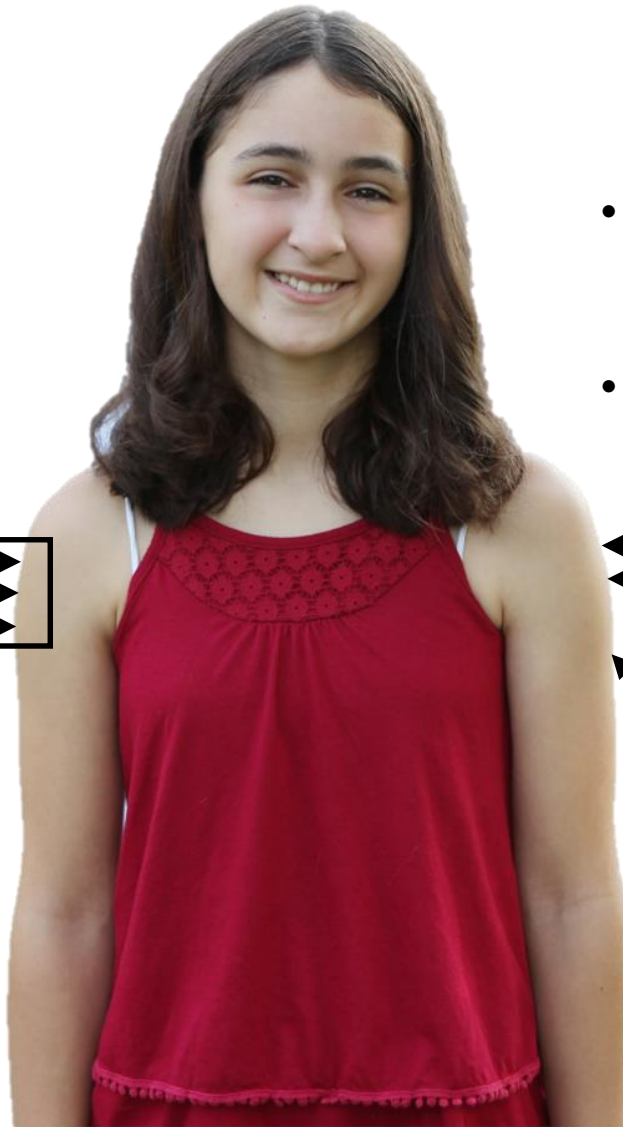
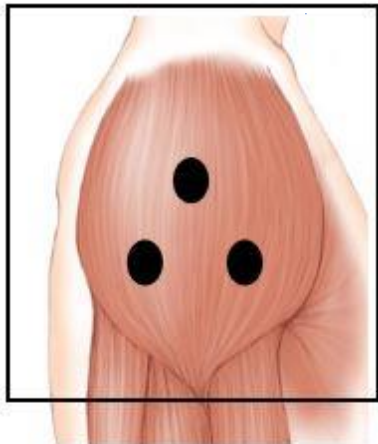
- **IM injections** are given in the **deltoid muscle** (preferred site for 3 yrs. and older) at a **90° angle** using a **1-1 ½” needle**
  - Separate IM injection sites by a minimum of 1”
  - The anterolateral thigh is an alternative site if deltoid cannot be used

- **SC 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)**



**Seasonal Influenza (IM)**  
**MenACWY (IM)**  
**(Menactra, Menveo)**  
**VAR (SC)**



Give other vaccines as needed (to bring up-to-date, high-risk): MMR (SC), HepA (IM), PCV13 (IM), and PPSV23 (IM)

**No Buttocks!**

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)