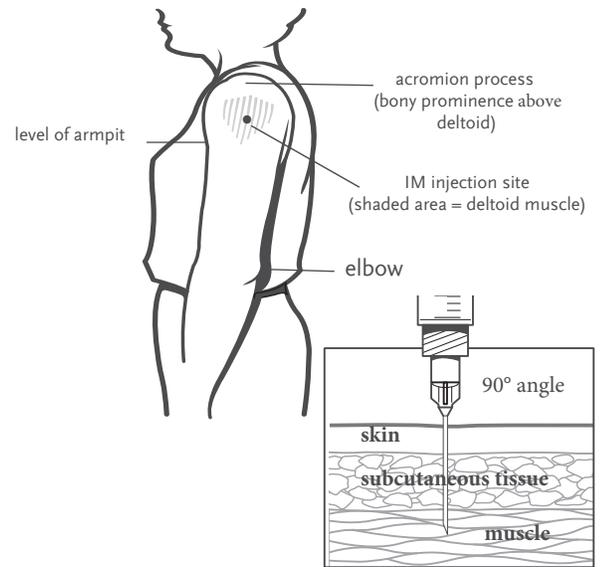


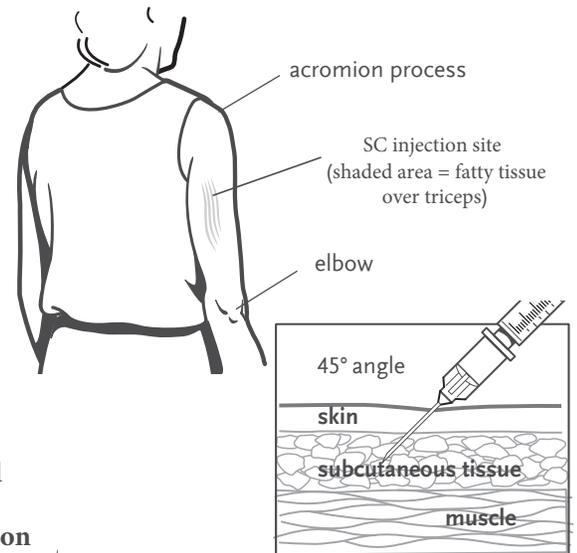
Administering Vaccines to Adults: Dose, Route, Site, and Needle Size

| Vaccine | Dose | Route |
|--|---|-------|
| Anthrax (AVA) | 0.5mL | IM |
| Hepatitis A (HepA) | ≤18 yrs: 0.5mL | IM |
| | ≥19 yrs: 1mL | |
| Hepatitis B (HepB) | <i>Engerix-B; Recombivax HB</i> >20 yrs: 1mL ≤19 yrs: 0.5mL | IM |
| | <i>HEPLISAV-B</i> ≥18 yrs: 0.5mL | |
| HepA and HepB (HepA/B) | ≥18 yrs: 1mL | IM |
| Human papillomavirus (HPV) | 0.5mL | IM |
| Influenza, live attenuated (LAIV) | 0.2mL (0.1mL in each nostril) | NAS |
| Influenza, inactivated (IIV) and recombinant (RIV) | 0.5mL | IM |
| Japanese encephalitis (JE-VC) | 0.5mL | IM |
| Measles, Mumps, Rubella (MMR) | 0.5mL | SC |
| Meningococcal serogroups A, C, W, Y (MCV4) | 0.5mL | IM |
| Meningococcal serogroup B (MenB) | 0.5mL | IM |
| Rabies (RAB) | 0.5mL | IM |
| Smallpox (SPV) | 15 jabs | PC |
| Tetanus, Diphtheria (Td); with Pertussis (Tdap) | 0.5mL | IM |
| Typhoid (ViCPS) | 0.5mL | IM |
| Varicella (VAR) | 0.5mL | SC |
| Yellow Fever (YF-Vax) | 0.5mL | SC |

Intramuscular (IM) injection



Subcutaneous (SC) injection



Injection Site and Needle Size

Subcutaneous (SC) injection – Use a 23–25 gauge, 5/8" needle. Inject in fatty tissue over triceps.

Intramuscular (IM) injection – Use a 22–25 gauge needle. Inject in deltoid muscle of arm. Choose the needle length as indicated below:

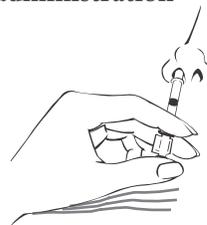
| Gender/Weight | Needle Length | |
|----------------------------------|---------------|--|
| Female or male less than 130 lbs | 5/8"*-1" | * A 5/8" needle may be used for patients weighing less than 130 lbs (<60 kg) for IM injection in the deltoid muscle ONLY if the subcutaneous tissue is not bunched AND the injection is made at a 90-degree angle. |
| Female or male 130–152 lbs | 1" | |
| Female 153–200 lbs | 1–1 1/2" | |
| Male 153–260 lbs | | |
| Female 200+ lbs | 1 1/2" | |
| Male 260+ lbs | | |

Note: Always refer to the package insert included with each biologic for complete vaccine administration information.

CDC's Advisory Committee on Immunization Practices (ACIP) recommendations for the particular vaccine should be reviewed as well: <https://www.cdc.gov/vaccines/hcp/acip-recs/general-recs/index.html>.

Adapted from Immunization Action Coalition:
www.immunize.org/catg.d/p2020a.pdf • Item #P2020a (1/18)
www.immunize.org/catg.d/p3084.pdf • Item #P3084 (10/18)

Intranasal (NAS) administration



Percutaneous (PC) injection

