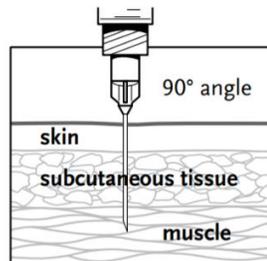


# Administering Influenza Vaccines: Intramuscular and Intranasal

## Intramuscular (IM) Injection

Inactivated Influenza Vaccines  
(aIIV4, HD-IIV4, IIV4, ccIIV4, RIV4)

1. Use a needle long enough to reach deep into the muscle. For infants  $\geq 6$  months and children, use a 1" needle. For adolescents and adults, a 1-1 ½" needle should be used.<sup>1</sup>
2. Choose the appropriate site. With your non-dominant hand, spread the skin taut between the thumb and forefinger, isolating the muscle.
3. With your dominant hand, insert the needle at a 90° angle to the skin with a quick thrust.
4. Push down on the plunger and inject the entire contents of the syringe. There is no need to aspirate.



5. Remove the needle or activate the retraction, if using a retractable safety needle/syringe, then apply light pressure to the injection site for several seconds with a dry cotton ball or gauze pad.
6. If there is any bleeding, cover the injection site with a bandage.
7. Put the used needle and syringe in a sharps container.

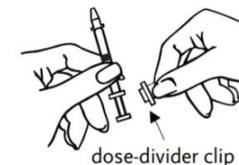
## Intranasal (IN/NAS) Administration

Live Attenuated Influenza Vaccine (LAIV4)

1. FluMist® (LAIV4) is for intranasal<sup>2</sup> administration only. Do not inject!
2. Remove the rubber tip protector. Do not remove the dose-divider clip at the other end of the sprayer.
3. With the patient in an upright position, place the tip just inside the nostril to ensure LAIV4 is delivered into the nose. The patient should breathe normally.



4. With a single motion, depress the plunger as rapidly as possible until the dose-divider clip prevents you from going further. Remove from nostril.
5. Pinch and remove the dose-divider clip from the plunger.



6. Place the tip just inside the other nostril, and with a single motion, depress plunger as rapidly as possible to deliver the remaining vaccine.
7. Put the applicator in a sharps container.

<sup>1</sup> Use professional judgment when determining needle size and injection site. Visit: [www.cdc.gov/vaccines/hcp/acip-recs/general-recs/index.html](http://www.cdc.gov/vaccines/hcp/acip-recs/general-recs/index.html).

<sup>2</sup> Due to COVID-19, providers should wear a medical face mask at all times and gloves when administering FluMist. Use of an N95 respirator is not recommended when administering this vaccine. For more information on vaccination guidance during a pandemic, visit [www.cdc.gov/vaccines/pandemic-guidance/index.html](http://www.cdc.gov/vaccines/pandemic-guidance/index.html). For more information regarding flu and flu vaccination, refer to [www.michigan.gov/flu](http://www.michigan.gov/flu), [www.cdc.gov/vaccines](http://www.cdc.gov/vaccines), or [www.cdc.gov/mmwr](http://www.cdc.gov/mmwr).