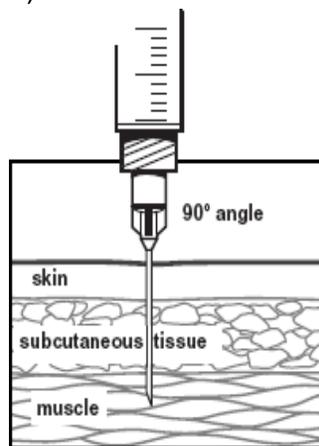


# Administering Influenza Vaccines

## Intramuscular (IM) Administration of Inactivated Influenza Vaccines: IIV3 (trivalent), IIV4 (quadrivalent) IIV3 High Dose (65 years and older)

1. Use a needle long enough to reach deep into the muscle.  
Infants aged 6 through 11 months: 1"; 1 through 2 years: 1-1¼"; children and adults 3 years and older: 1-1 ½".
2. Choose the appropriate site (see chart below).  
With your left hand<sup>1</sup>, bunch up the muscle.
3. With your right hand<sup>1</sup>, 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 and simultaneously apply pressure to the injection site with dry cotton ball or gauze. Hold in place for several seconds.
6. If there is any bleeding cover the injection site with a bandage.
7. Put the used syringe in a sharps container.



## Intranasal Administration of Live Attenuated Influenza Vaccine, quadrivalent (LAIV4)

1. FluMist® (LAIV) is for intranasal administration only.  
Do not inject FluMist®.
2. Remove rubber tip protector. Do not remove dose-divider clip at the other end of the sprayer.
3. With the patient in an upright position (i.e., head not tilted back), place the tip inside the nostril to ensure LAIV is delivered into the nose.  
The patient should breathe normally.
4. With a single motion, depress plunger as rapidly as possible until the dose-divider clip prevents you from going further.
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. Dispose of the applicator in a sharps container.



### IIV3 and IIV4 Dosage (based on age) & IIV3 High Dose Dosage

Age	Dosage <sup>2</sup>	Site <sup>3</sup>	Needle Gauge
6-35 months	0.25 mL	Anterolateral thigh	22-25 g
3 years & older	0.5 mL	Anterolateral thigh or deltoid	22-25 g
65 years & older (IIV3 High Dose)	0.5mL	Deltoid (may use anterolateral thigh)	22-25 g

### LAIV4 Dosage

Age	Dosage <sup>2</sup>	Route	Site
Healthy, non-pregnant persons 2-49 years	0.2 mL: Spray 0.1mL dose into each nostril as indicated by the dose-divider clip on the sprayer	Intranasal	Each nostril

<sup>1</sup> Use the opposite hand if you are left handed

<sup>2</sup> Children needing 2 doses of flu vaccine should receive the age-appropriate vaccine & dosage each time. Refer to: "Who needs 2 Doses of 2013-14 Seasonal Flu Vaccine" at [www.michigan.gov/flu](http://www.michigan.gov/flu)

<sup>3</sup> Needle size and site of injection assessment must be made for each person on the basis of the size of the muscle and the thickness of adipose tissue at the injection site