

# Influenza Vaccine Products for the 2011–12 Influenza Season

## Information about influenza vaccine products

Manufacturer	Trade Name	How Supplied	Mercury Content (µg Hg/0.5mL)	Age Group	Product Code <sup>1</sup>
CSL Biotherapies	Afluria (TIV) <sup>2</sup>	0.5 mL (single-dose syringe)	0	9 years & older <sup>3</sup>	90656
		5.0 mL (multi-dose vial)	24.5		90658 Q2035 (Medicare)
GlaxoSmithKline	Fluarix (TIV)	0.5 mL (single-dose syringe)	0	3 years & older	90656
ID Biomedical Corp of Quebec, a subsidiary of GlaxoSmithKline	FluLaval (TIV)	5.0 mL (multi-dose vial)	25	18 years & older	90658 Q2036 (Medicare)
MedImmune	FluMist (LAIV) <sup>2</sup>	0.2 mL (single-use nasal spray)	0	2 through 49 years	90660
Novartis Vaccines	Fluvirin (TIV)	0.5 mL (single-dose syringe)	≤1	4 years & older	90656
		5.0 mL (multi-dose vial)	25		90658 Q2037 (Medicare)
sanofi pasteur	Fluzone (TIV)	0.25 mL (single-dose syringe)	0	6 through 35 months	90655
		5.0 mL (multi-dose vial)	25	6 through 35 months	90657
		0.5 mL (single-dose syringe)	0	3 years & older	90656
		0.5 mL (single-dose vial)	0	3 years & older	90656
		5.0 mL (multi-dose vial)	25	3 years & older	90658 Q2038 (Medicare)
	Fluzone High-Dose (TIV)	0.5 mL (single-dose syringe)	0	65 years & older	90662
	Fluzone Intradermal (TIV)	0.1 mL (single-dose microinjection system)	0	18 through 64 years	90654

1. Effective for claims with dates of service on or after 1/1/2011, CPT code 90658 is no longer payable for Medicare; rather, HCPCS Q codes (as indicated above) should be submitted for Medicare payment purposes.
2. TIV is the abbreviation for trivalent inactivated influenza vaccine (injectable); LAIV is the abbreviation for live attenuated influenza vaccine (nasal spray).
3. On August 6, 2010, ACIP recommended that Afluria not be used in children younger than age 9 years. If no other age-appropriate TIV is available, Afluria may be considered for a child age 5 through 8 years at high risk for influenza complications, after risks and benefits have been discussed with the parent or guardian. Afluria should not be used in children younger than age 5 years. This recommendation continues for the 2011–2012 influenza season.

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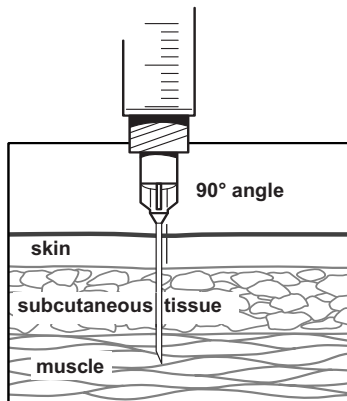
# How to administer intramuscular, intradermal, and intranasal influenza vaccines

## Intramuscular injection

Trivalent Inactivated Influenza Vaccines (TIV)

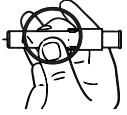


1. Use a needle long enough to reach deep into the muscle. Infants age 6 through 11 mos: 1"; 1 through 2 yrs: 1–1¼"; children and adults 3 yrs and older: 1–1½".
2. With your left hand\*, bunch up the muscle.
3. With your right hand\*, insert the needle at a 90° angle to the skin with a quick thrust.
4. Push down on the plunger and inject the entire contents of the syringe. There is no need to aspirate.
5. Remove the needle and simultaneously apply pressure to the injection site with a 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.

\*Use the opposite hand if you are left-handed.



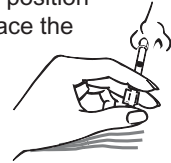
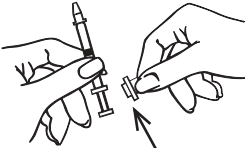
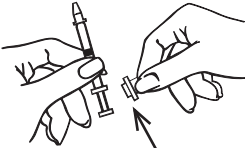
## Intradermal administration

Trivalent Inactivated Influenza Vaccine (TIV)

1. Gently shake the microinjection system before administering the vaccine.
2. Hold the system by placing the thumb and middle finger on the finger pads; the index finger should remain free. 
3. Insert the needle perpendicular to the skin, in the region of the deltoid, in a short, quick movement.
4. Once the needle has been inserted, maintain light pressure on the surface of the skin and inject using the index finger to push on the plunger. Do not aspirate. 
5. Remove the needle from the skin. With the needle directed away from you and others, push very firmly with the thumb on the plunger to activate the needle shield. You will hear a click when the shield extends to cover the needle. 
6. Dispose of the applicator in a sharps container.

## Intranasal administration

Live Attenuated Influenza Vaccine (LAIV)

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 just 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.  dose-divider clip
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.