



	Live-Attenuated Influenza Vaccine (LAIV)	Inactivated Influenza Vaccine (IIV) #	Recombinant Influenza Vaccine (RIV)
Brand Name / Supplier / Place of Manufacture	FluMist / AstraZeneca / United States	<ul style="list-style-type: none"> Fluarix Tetra / GSK / Germany VaxigripTetra / Sanofi / France Influvac Tetra / Abbott / Netherlands 	Flublok / Sanofi / United States
Route of Administration	Intranasal	<ul style="list-style-type: none"> Fluarix Tetra - Intramuscular Injection VaxigripTetra / Influvac Tetra - Intramuscular or Subcutaneous 	Intramuscular Injection
Recommended Age	2 to 49 years	6 months or above (No upper limit)	Adult Aged > 18 years
Dosing Schedule	<p>Persons aged 9 years or above:</p> <ul style="list-style-type: none"> Single dose <p>Children below 9 years:</p> <ul style="list-style-type: none"> Single dose for those who have received influenza vaccine before Two doses with interval of at least 4 weeks are required for vaccine-naïve children 	<p>Adult: 1 Dose</p>	<p>Adult: 1 Dose</p>
<p>Receive annually preferably before winter influenza season to offer protection for both winter and summer seasons</p>			
Features / Contraindications	<p>Features</p> <ul style="list-style-type: none"> Intranasal vaccine, no injection required. No local reactions after injection such as pain, redness, swelling. One of the selected influenza vaccine for CHP SIV School Outreach (Free of Charge) Programme (kindergarten). <p>Contraindications</p> <ul style="list-style-type: none"> History of severe allergic reaction to any vaccine component (egg, chicken protein) or any medication (neomycin, gentamycin) or a previous dose of any influenza vaccine Pregnant / maybe pregnant at the moment Lower in immunity or close contact with low immunity person Age 2-4 with Asthma or wheezing symptoms * Aged 2-17 Currently on Aspirin treatment (you should not have aspirin within 4 weeks after Flumist) Have Flu anti-viral medication within 48 hours Have congested or running nose now (Nose secretions may affect the vaccine efficiency) Have any live vaccine within 28 days <p><small>* The UK recommended the use of IIV instead of LAIV for children with increased wheezing and/or needed additional bronchodilator treatment in previous 72 hours. Also, specialist advice should be sought on giving LAIV for children who require regular oral steroid for maintenance of asthma control or who have previously required intensive care for asthmatic attack. Canada recommended that individuals with severe asthma (currently on oral or high-dose inhaled glucocorticosteroids or active wheezing) or those with medically attended wheezing in the 7 days prior to vaccination should not use LAIV.</small></p>	<p>Features</p> <ul style="list-style-type: none"> Tradition influenza vaccine used over five decades. Selected influenza vaccine for CHP Government Vaccination Programme & SIV School Outreach (Free of Charge) Programme for many years. Suitable for most of the people (aged 6 months or above). Suitable for pregnant women. Subcutaneous administration is allowed, suitable for the people who are currently on anticoagulants or bleeding disorders. Economical prices, VSS eligible people can have SIV for free at Kinetics centers without extra charges. <p>Contraindications</p> <ul style="list-style-type: none"> History of severe allergic reaction to any vaccine component (egg, chicken protein, neomycin, gentamycin) or a previous dose of any influenza vaccine Children & adults who are immunocompromised due to any cause, please consult the doctor before receiving influenza vaccination. 	<p>Features</p> <ul style="list-style-type: none"> Recombinant, prepared in cell culture. Suitable for people who're allergic to egg or chicken protein. For adult only. 44.6% Cross protection for any virus strain. 30% Better protection comparing with the standard influenza vaccine in the >50 years old group. 2023 CHP recommend: a review of existing studies suggested in older age group, RIV may be potentially more effective than IIV. RIV is preferred for older adults living in residential care homes. JCVI advises that recombinant influenza vaccine (Flublok) is preferred over egg-based QIV in elderly & at-risk adults aged 18-64 years. CDC recommends the use of recombinant flu vaccine for adult 65 years and older. <p>Contraindications</p> <ul style="list-style-type: none"> Not suitable for people aged below 18 years old Not suitable for people who are currently on anticoagulants or bleeding disorders
	Adverse Reactions	<ul style="list-style-type: none"> Nasal congestion or runny nose in all ages Fever in children Sore throat in adults 	<ul style="list-style-type: none"> Local reactions : pain, redness, swelling Non-specific symptoms : fever, chills, malaise, myalgia
Simultaneous Administration with Other Vaccines	<ul style="list-style-type: none"> Live vaccines : can only be administered on the same day or at least 4 weeks apart Inactivated vaccines : no restriction 	<ul style="list-style-type: none"> Live or inactivated vaccines : no restriction 	<ul style="list-style-type: none"> Live or inactivated vaccines : no restriction
Remark	<ol style="list-style-type: none"> Vaccination should be postponed in patients with febrile illness or acute strains. Individuals with mild egg allergy who are considering an influenza vaccination can be given inactivated influenza vaccines (IIVs) Fluarix Tetra / VaxigripTetra / Influvac Tetra / FluMist in primary care setting, such as health centers or clinics. Individuals with a history of anaphylaxis to egg should have seasonal influenza vaccine administered by health care professionals in appropriate medical facilities with capacity to recognize and manage severe 	<ol style="list-style-type: none"> allergic reactions. Influenza vaccine contains ovalbumin (a chicken protein), but the vaccine manufacturing process involves repeated purification and the ovalbumin content is very little. Even people who are allergic to eggs are generally safe to receive vaccination. Adults with serious egg allergy can consider to receive recombinant influenza vaccine (Flublok). The WHO considers inactivated influenza vaccine is safe in pregnancy. There is no evidence showing such vaccine can cause abnormality in 	<ol style="list-style-type: none"> fetus even if given during the first trimester. Pregnant women should NOT receive live attenuated influenza vaccine (LAIV) because it contains a live virus. Kinetics would give the influenza vaccination to the women with over 12 weeks pregnant at Kinetics medical centers only. Onsite vaccination would not be available for pregnant women. Flexibility could be exercised to provide COVID-19 vaccines with seasonal influenza vaccine on the same visit.