

Universal Influenza Immunization Program (UIIP) 2019-2020

Attention: Physicians, Nurse Practitioners, Long-Term Care Facilities, Rest & Retirement Homes, Walk-in Clinics/Urgent Care Clinics, Hospitals, Infection Control Practitioners, Hospital Occupational Health Nurses, Hospital Pharmacies, Correctional Facilities, Participating Health Care Agencies, Participating UIIP Pharmacies, NSM LHIN, Central LHIN, Beausoleil Health Centre

Date: September 30, 2019

Key Points:

- High-Dose Trivalent Inactivated Vaccine (HD-TIV) (High Dose Fluzone®) should only be given to those 65 years and older. However, immunization should not be delayed if HD-TIV is not readily available.
- Quadrivalent Inactivated Vaccine (QIV) is available as three products this year:
 - FluLaval® Tetra & Fluzone® Quadrivalent can be given to anyone 6 months and older;
 - Afluria® Tetra is only to be given to those 5 years of age and older.
- Nasal spray vaccine (FluMist® Quadrivalent) is not available in Canada for the 2019/2020 influenza season.
- Vaccinating children: children 6 months to less than 9 years of age receiving influenza vaccine for the first time in their life should be given 2 doses of vaccine, with a minimum interval of 4 weeks between doses.

Vaccine Ordering Information

As in previous years, the health unit will only receive part of their influenza vaccine allocation in October. Every effort will be made to distribute the vaccine as fairly and equitably as possible to ensure that all area HCPs have some supply to immunize their most vulnerable patients.

Throughout the month of October, HCPs are only to be immunizing those who meet the high risk criteria outlined on page 4. When the annual UIIP is officially launched by the MOHLTC (late October/early November), then vaccine can be administered to the general population. To assist with planning the following allocation and timelines have been established for vaccine ordering:

Health Care Provider	Order Due By	Ready for Pick up	Product	Maximum Quantity
Hospitals	Wed Oct 2 nd	Wed Oct 9 th	QIV HD TIV	Based on assessment
LTCHs and Retirement Homes	Wed Oct 2 nd	Wed Oct 9 th	QIV HD TIV	Based on bed numbers
Primary Care – High Risk only	Wed Oct 9 th	Wed Oct 16 th	QIV HD-TIV	Up to 60 doses per MD/NP Up to 40 doses per MD/NP
Reorders by all	Wed Oct 16 th	Wed Oct 23 rd	QIV HD-TIV	Up to 50 doses per MD/NP Based on local supply

We ask that primary care providers not book any large clinics until the week of November 4th to ensure you have the vaccine supply you need.



LTCHs & Retirement Homes:

Order the number of doses of HD TIV that you require for residents. Note: it is large packaging, so please only order what your fridge can properly store and reorder as needed. If you have a physician or Directive in place for staff immunization, order the required number of doses of QIV. **Orders submitted by 3pm on a Wednesday will be ready the following Wednesday.** HD TIV will be provided in a prefilled syringe that will require a needle to be attached. QIV for staff may be either prefilled syringes or multi-dose vial based on health unit inventory availability.

Hospitals:

Order as needed for those considered high risk as per listing on page 4. **Orders submitted by 3pm on a Wednesday will be ready the following Wednesday.** Prefilled syringes will be shipped in boxes of 10. Please order accordingly based on space available.

Other Important Ordering Reminders:

- If you were required to prequalify for vaccine, and recently had your fridge inspection, you must submit five consecutive days of twice daily fridge temperatures (between 2-8°C) before your initial order can be filled.
- Each time you order influenza vaccine, you must submit by fax your temperature log sheet(s) for the previous four weeks. Temperature readings must be done and recorded in the log book twice a day every day. These temperature log sheets are reviewed by the SMDHU prior to vaccine being released.
- To prevent vaccine wastage, HCPs are only to stock a one to two week supply of influenza vaccine.
- The package sizes of some products may also impact fridge space. Health unit staff may adjust orders taking into account your current inventory, the size of your vaccine fridge and current vaccine supply.
- If there is a reason you are ordering a large amount of vaccine (i.e. you have a clinic booked), please note this on the order form so that staff can take this into account when reviewing your order.
- Unfortunately we do not have a way of tracking balances remaining that were not filled on previous orders. If you require additional vaccine beyond what you received in your order, you will need to submit another vaccine order along with your updated temperature logs.
- Only influenza vaccine orders that are submitted on this year's Influenza Vaccine Order Form (see attached) will be filled. Be sure to choose the appropriate form based on which health unit office you pick up vaccine from.

As recommended by the World Health Organization (WHO), the following strains are included in this year's vaccines:

Quadrivalent vaccine:

- A/Brisbane/02/2018(H1N1) pdm09-like virus
- A/Kansas/14/2017(H3N2)-like virus
- B/Colorado/06/2017-like virus (B/Victoria/2/87 lineage)
- B/Phuket3073/2013-like virus (B/Yamagata/16/88 lineage)

Trivalent vaccine:

- A/Brisbane/02/2018(H1N1) pdm09-like virus
- A/Kansas/14/2017(H3N2)-like virus
- B/Colorado/06/2017-like virus (B/Victoria/2/87 lineage)

The National Advisory Committee for Immunization (NACI) Statement on Seasonal Influenza Vaccine for 2019-2020 can be found on the Public Health Agency of Canada website at: <https://www.canada.ca/en/public-health/services/publications/vaccines-immunization/canadian-immunization-guide-statement-seasonal-influenza-vaccine-2019-2020.html>

To access product monographs for the publicly funded influenza vaccine products, visit the Health Canada – Drug Product Database Online Query website and enter the product name to search: <http://webprod5.hc-sc.gc.ca/dpd-bdpp/index-eng.jsp>

Which vaccines are individuals eligible to receive in Ontario this year?

Age Group	QIV			High-Dose TIV
	FluLaval® Tetra	Fluzone® Quadrivalent	Afluria® Tetra	Fluzone® High-Dose
6 mths through 4 years	<input type="checkbox"/>	<input type="checkbox"/>		
5 years up to and including 64 years	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
≥65 years	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

NOTE: NACI has not identified any preference between QIV and high-dose TIV products for individuals 65 years of age and older.

	Quadrivalent Inactivated Vaccine			High-Dose Trivalent Inactivated Vaccine				
UIIP Abbreviation	QIV			High-dose TIV				
NACI Abbreviation	IIV4-SD			IIV3-HD				
Vaccine product	FluLaval® Tetra	Fluzone® Quadrivalent	Afluria® Tetra	Fluzone® High-Dose				
Micrograms of HA	15 µg	15 µg	15 µg	60 µg				
Dosage	0.5 ml	0.5 ml	0.5 ml	0.5 ml				
Format	Multidose vial	<ul style="list-style-type: none"> • Multidose vial (MDV) • Prefilled syringe (PFS) 	Prefilled syringe	Prefilled syringe				
Route	Intramuscular injection	Intramuscular injection	Intramuscular injection	Intramuscular Injection				
Age indication	≥6 months	≥6 months	≥5 years	≥65 years				
Most common allergens	<ul style="list-style-type: none"> • Egg protein* • Thimerosal 	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">MDV</td> <td> <ul style="list-style-type: none"> • Egg protein* • Thimerosal </td> </tr> <tr> <td style="text-align: center;">PFS</td> <td> <ul style="list-style-type: none"> • Egg protein* </td> </tr> </table>	MDV	<ul style="list-style-type: none"> • Egg protein* • Thimerosal 	PFS	<ul style="list-style-type: none"> • Egg protein* 	<ul style="list-style-type: none"> • Egg protein* • Neomycin • Polymyxin B 	<ul style="list-style-type: none"> • Egg protein*
MDV	<ul style="list-style-type: none"> • Egg protein* • Thimerosal 							
PFS	<ul style="list-style-type: none"> • Egg protein* 							

*According to NACI, egg-allergic individuals may be vaccinated against influenza using the full dose of any appropriate product, including QIV, Q-LAIV and high-dose TIV.

Important Notes:

- Fluzone® Quadrivalent and Fluzone® High-Dose are different products. Fluzone® High-Dose is only authorized for those 65 years of age and over. Please use caution when administering Fluzone® products to ensure that the right vaccine is being administered to the right person.
- Fluzone® High-Dose will be available through primary care providers (e.g. physicians and nurse practitioners), participating retirement homes, long-term care homes and hospitals.
- Fluzone® High-Dose will not be available through pharmacies.
- Trained pharmacists can only administer publicly funded flu vaccine to individuals 5 years of age and older.

Recommended needle gauge and length for vaccine recipient: Intramuscular Injections (IM)		
	Infants, Toddlers and Older children	Adolescents and Adults
Needle gauge	22-25	22-25
Needle length	7/8 – 1 inch	1 -1 ½ inch

Please ensure stock of appropriate sized syringes and needles. Pre-filled syringes do not come with needle tips.

Publicly Funded Influenza vaccine is only initially to be administered to those who meet the following high risk criteria:

Individuals at high risk of influenza-related complications or more likely to require hospitalization which includes:

- All pregnant women
- People who are residents of LTCH or other chronic care facilities
- People ≥65 years of age
- All children 6-59 months of age
- Indigenous peoples
- Adults or children with chronic health conditions as follows:
 - cardiac or pulmonary disorders
 - diabetes mellitus or other metabolic disease
 - cancer
 - conditions which compromise the immune system
 - renal disease
 - anemia or hemoglobinopathy
 - neurologic or neurodevelopmental conditions
 - morbid obesity (body mass index of ≥40)
 - children 6 months to 18 years of age undergoing treatment with acetylsalicylic acid for long periods

Individuals capable of transmitting influenza to those at high risk which includes:

- Health care workers and other care providers in facilities and community settings
- Household contacts (adults and children) of individuals at high risk of influenza related complications (reside with a child under 6 months of age)
- Persons who provide care to children ≤59 months of age.
- Those who provide services in a closed/relatively closed setting to persons at high risk (e.g. crew on a ship)

In addition, influenza vaccine is strongly recommended for individuals that work in essential community services and the swine and poultry industry.

High-Dose Trivalent Influenza Vaccine (HD TIV) and non-high dose Quadrivalent Influenza Vaccine (QIV) are available this year for those 65 years and older

Public Health Ontario has provided a more detailed analysis on the various influenza vaccines including the high-dose TIV and QIV formulations for older adults and children [here](#). Below is a summary of the considerations. There is insufficient data comparing the efficacy between the two vaccines. **The choice between the high dose TIV vs non-high dose QIV rests with the clinician and patient. Both are acceptable. Given the available information at this time, the Simcoe Muskoka District Health Unit (SMDHU) recommends the high dose TIV because of its higher effectiveness in preventing influenza A morbidity in those 65 years and older. However, immunization should not be delayed if your preferred vaccine is unavailable.**

The following are relevant considerations when vaccinating adults 65 years of age and over.

Influenza A:

- The burden of influenza A/H3N2 is higher in adults 65 years of age and over compared to other strains. Seasons with circulation of influenza A/H3N2 result in more outbreaks, hospitalizations and deaths, which occur most commonly among older adults.
- The high-dose TIV provides better protection than standard-dose TIV, including against the A/H3N2 strain as demonstrated in a large randomized trial. The trial showed high-dose TIV to be 24.2% (95% CI: 9.7% to 36.5%) more effective compared to standard dose TIV in preventing laboratory-confirmed influenza. The A/H3N2 strain is the same in the standard-dose TIV and standard-dose QIV vaccines, so similar enhanced protection against the A/H3N2 found for high-dose TIV is also expected when compared to the standard dose QIV.

Influenza B:

- Although the high-dose TIV contains one less B strain than in the QIV, B strains occur less frequently in adults 65 years of age and over than A strains.
- There may be cross protection against B lineages, such that the TIV vaccine that contains B/Victoria may offer some protection against B/Yamagata and vice versa, although this may not always occur. Therefore, high-dose TIV may afford some protection against the B lineage not included in that vaccine.

Safety:

QIV and high-dose TIV are expected to have a generally similar safety profile. Local reactions and systemic adverse events occur somewhat more frequently with high-dose TIV than standard-dose TIV. The systemic reactions are described as generally mild and short lived.

For more information, support materials and forms refer to the following websites:

- www.smdhu.org/pcportal
- <http://www.ontario.ca/flu>

Reporting of Adverse Events

A reminder that an Adverse Event Following Immunization (AEFI) form must be filled out and faxed back to the Immunization Program for follow-up immediately following an unexpected adverse event: **Fax #: 705-726-3962**

If you have any questions regarding the vaccine ordering process please contact the Immunization Program at 705-721-7520 or toll free at 1-877-721-7520 ext. 8808.

If you are calling to report a Cold Chain Failure, or have any questions regarding influenza vaccines please contact the Immunization Program at 705-721-7520 or toll free at 1-877-721-7520 ext. 8806.

Date: _____

Facility Name: _____ Phone #: _____ # of MDs & NPs: _____

Facility Contact: _____ # of Fridges: _____ Type: Bar Domestic Purpose Built

- Place orders by **3pm Wednesday** for pick up the following **Wednesday morning**
- Orders must include the **previous 4 week** temperature log
- Order no more than a **1 – 2 week** supply
- **Vaccine order inquiries 1-877-721-7520 ext. 8808**
- For **URGENT** requests due to **UNEXPECTED** demands, provide details below
- Include current Influenza vaccine inventory
- Coolers must be between 2 - 8 °C for vaccine to be released

Premise Type:				
<input type="checkbox"/> Physician Office	<input type="checkbox"/> Retirement Home	<input type="checkbox"/> Correctional Facility	<input type="checkbox"/> Workplace	<input type="checkbox"/> Nursing Agency
<input type="checkbox"/> Hospital	<input type="checkbox"/> Long-term care home	<input type="checkbox"/> Pharmacy	<input type="checkbox"/> Community Health Ctr	<input type="checkbox"/> Other
Based on Ministry's distribution and supply of vaccine, the health unit cannot guarantee the amount or type of vaccine released to facilities, therefore HCPs should be prepared with appropriate supplies.				
Influenza Vaccines		Current # of Doses in your fridge	Requested # of Doses	
HD TIV - Fluzone® High-Dose (prefilled syringe) <ul style="list-style-type: none"> • Publicly funded for those 65 years and over 				
QIV - FluLaval®Tetra/Fluzone®Quadrivalent/ Afluria®Tetra (may be multi dose vial or prefilled syringe) <ul style="list-style-type: none"> • Publicly funded for those 6 months and older • Afluria®Tetra is only to be administered to individuals 5 years and older 				
<small>HD TIV = High Dose Trivalent Influenza Vaccine; protects against 2 A strains & 1 B strain. Only for those 65 years+ QIV = Quadrivalent Influenza Vaccine; protects against 2 A strains & 2 B strains.</small>				
For high volume scheduled influenza clinic(s) or urgent influenza orders, please provide details for consideration.				

Location to be picked up (please check):
 Barrie Collingwood Cookstown Midland

VIM Order # (for office use only): _____

2019-09-25

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Location to be picked up (please check):

- Gravenhurst
 Huntsville
 Orillia

VIM Order # (for office use only): _____

2019-09-25

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