

# H1N1-2009 Influenza Fact Sheet

updated 2009-11-26

This fact sheet provides basic information only. It must not take the place of medical advice, diagnosis or treatment. Always talk to a healthcare professional about any health concerns you have, and before you make any changes to your diet, lifestyle or treatment.

## What is influenza and the pandemic H1N1 Influenza?

Influenza (commonly known as "the flu") is a respiratory infection that is caused by a virus. People with influenza quickly become ill with a cough, fever, chills, sore throat, headache, muscle aches and tiredness. Most people are sick for 2 to 7 days, although the cough may last for weeks. In a few people, influenza can lead to pneumonia, hospitalization, and even death. Influenza spreads easily from infected people to others through coughing and sneezing. It can also be picked-up through direct contact with surfaces and objects, like unwashed hands and toys.

Pandemic H1N1 influenza is a new influenza strain that appeared in April 2009. It has since spread around the world. Pandemic H1N1 influenza can infect anyone, although people younger than 60 years of age are more likely to become infected than older individuals. Most people recover uneventfully but a few people can develop serious complications. Those at a somewhat increased risk of complications when they get infected are children less than 5 years of age, people with other medical problems, pregnant women and women who had a baby in the past four weeks, people who are very overweight, residents of isolated or remote First Nations communities with limited access to health services and seniors.

## How well do influenza vaccines (seasonal and H1N1) protect against influenza?

When there is a good match between the influenza strains in the vaccine and the influenza strains circulating in the community, the vaccine can prevent influenza illness in about 70% to 90% of healthy children and adults. Studies have shown that influenza immunization decreases the incidence of pneumonia, hospital admission and death in the elderly.

It takes about two weeks after the immunization to develop protection against influenza; protection may last up to one year. People who receive the vaccine can still get influenza, but if they do, it is usually milder. However, the vaccine will not protect against colds and other respiratory illnesses that may be mistaken for influenza, but are not caused by the influenza virus.

## Can the vaccine cause H1N1 influenza?

No. The vaccine does not contain the live virus so you cannot get influenza from the vaccine.

## When should the influenza vaccines (seasonal and H1N1) be given?

The Ministry of Health and Long-Term Care (the ministry) is recommending a **three-phased approach to influenza immunization this year:**

- **Phase I:** Immunize everyone aged 65+ in Ontario, and all residents (of all ages) in Long-Term Care Homes (LTCH), with seasonal influenza vaccine (in October 2009).
- **Phase II:** Immunize those who need and want the vaccine in Ontario, as per the nationally recommended sequenced groups, with the pandemic H1N1 vaccine (in November/December 2009).
- **Phase III:** seasonal universal influenza immunization vaccine program (UIIP) will be offered to all those 6 months of age and older who live, work or attend school in Ontario, including anyone 65 years and older who did not receive the seasonal influenza vaccine during Phase 1 (this will likely occur in December 2009/January 2010).

### Who can get the H1N1 influenza vaccine?

Pandemic H1N1 influenza vaccination is recommended for anyone six months of age and older who needs or wants protection, (including pregnant women) against Pandemic H1N1 influenza infection. Certain people, who are most at risk for complications from Pandemic H1N1 infection, may be offered the Pandemic H1N1 influenza vaccine first.

### How many doses of the H1N1 influenza vaccine are needed?

- Children less than 6 months of age: vaccination is not currently recommended in this age group
- Children with or without chronic health conditions between 6 months to less than 3 years of age: 2 pediatric doses (0.25 mL) of adjuvanted Arepanrix™ vaccine. The minimum interval between doses should be 21 days.
- Children with chronic health conditions 3 years to less than 10 years of age: 2 pediatric doses (0.25 mL) of adjuvanted Arepanrix™ vaccine. The minimum interval between doses should be 21 days.
- Healthy children 3 years to less than 10 years of age: 1 pediatric dose (0.25 mL) of adjuvanted Arepanrix™ vaccine.
- Healthy individuals 10 to 64 years of age: 1 dose (0.5 mL) of adjuvanted Arepanrix™, or 1 dose (0.5 mL) of unadjuvanted Influenza A (H1N1) 2009 Pandemic Monovalent Vaccine Without Adjuvant **by** GSK
- Individuals with **chronic health conditions** and/or weakened immune systems 10 to 64 years of age: 1 dose (0.5 mL) of adjuvanted Arepanrix™ vaccine.
- Individuals with or without chronic health conditions 65 years of age and older, and those with weakened

immune systems: 1 dose (0.5 mL) of adjuvanted Arepanrix™ vaccine.

- Pregnant\* women should receive 1 dose (0.5 mL) of unadjuvanted vaccine; either Panvax®, or Influenza A (H1N1) 2009 Pandemic Monovalent Vaccine Without Adjuvant.

\*All pregnant women with pre-existing health conditions and healthy pregnant women in the second half of their pregnancy (more than 20 weeks gestation) should speak to their health care provider about receiving the adjuvanted vaccine, if unadjuvanted vaccine is not available. Healthy pregnant women in the first half of their pregnancy are at less risk of complications from the flu, and can wait to receive the unadjuvanted vaccine, when it is available.

Panvax® vaccine is available for pregnant women only.

### Can the H1N1 influenza vaccine be given at the same time as other vaccines?

Seasonal influenza vaccine may be given at the same time as other vaccines. The same limb may be used if necessary, but different sites on the limb should be chosen. Different administration sites (needle and syringe) must be used. At this time it is recommended that the pandemic H1N1 vaccine be administered before seasonal influenza vaccine due to H1N1 virus being the prevalent strain in circulation.

### Do I have to pay for a H1N1 influenza immunization?

No. The H1N1 influenza vaccine is available **free of charge** to individuals in Ontario, based on the three-phased approach to influenza immunization for the 2009/2010 season.

### How can I keep track of my influenza immunizations and other immunizations?

After you receive your immunization, you should ask for a written record of your immunization from the doctor or nurse who administered your shot. Keep it in a safe place!

### Who should not get the H1N1 influenza vaccine?

The following persons should **not** get the H1N1 influenza vaccine:

- Infants under six months of age (the current vaccine is not recommended for this age group).
- Anyone with a serious allergy (anaphylaxis) to eggs or egg products. A serious allergic reaction usually means that the person develops hives, swelling of the mouth and throat or has trouble breathing, a sudden drop in blood pressure, or shock after eating eggs or egg products. These individuals should consult with their doctor and consider seeing an allergist before receiving the vaccine.
- Anyone who has a severe allergy to any component of the vaccine. Your health care provider can tell you which components are in the specific vaccine. The H1N1 vaccine contains trace quantities of preservatives and may also contain an adjuvant depending on the type of H1N1 vaccine received.
- Anyone who had a serious allergic reaction to a previous dose of influenza vaccine.
- Individuals should be aware that all of the H1N1 vaccines available in Ontario contain traces of sodium deoxycholate. Sodium deoxycholate is derived from cows or sheep.
- It is not known whether the influenza vaccine causes an increased risk of recurrent Guillain-Barré Syndrome (GBS) in persons who previously had GBS. Anyone who has previously developed GBS within the first 8 weeks following an influenza immunization should avoid influenza immunization in the future.
- People with bleeding disorders or who are taking medication that could affect blood clotting should discuss their medical situation before receiving the vaccine.

### The H1N1 influenza vaccine should be temporarily delayed in the following persons:

- Anyone with a moderate to severe acute illness with fever should usually wait until the symptoms subside before being immunized.

- However, people with a minor illness with or without a fever (e.g. a cold) should still get the H1N1 influenza vaccine.
- Immunization should generally be **delayed** in individuals with an evolving neurologic disorder, until the disease process has been stabilized.

### What are the risks from H1N1 influenza vaccine?

The influenza vaccine, like any medicine, is capable of causing side effects, which can be either mild or, occasionally, severe. The risk of the vaccine causing serious harm is extremely rare.

Most people who get any type of vaccine have either no side effects or mild side effects such as soreness, redness or swelling at the injection site. A life-threatening allergic reaction, or anaphylaxis, is very rare. If it does occur, it is generally within a few minutes to an hour after receiving vaccine and rarely up to 12 hours after immunization.

Arepanrix™ is made exactly like the seasonal influenza vaccine that is produced each year, except for the addition of the helper “adjuvant”. The pandemic H1N1 vaccines without adjuvant are also manufactured in the same way as the seasonal influenza vaccine that is produced every year. The seasonal influenza vaccine is very safe and serious side effects are very rare, and both H1N1 vaccines are expected to be just as safe. The adjuvant has been thoroughly studied and any serious side effects have been rare.

Because the influenza vaccine does not contain live virus, you cannot get flu from either H1N1 vaccine. Minor side effects from both of the H1N1 vaccines are expected to include: pain and swelling where the injection is given, tiredness, muscle and joint pain, and headaches. Children may have a mild fever, be tired and irritable and not want to eat. As with the seasonal influenza vaccine, it is expected that most side effects will be mild, will not last long and will go away on their own.

The Arepanrix™, Influenza A (H1N1) 2009 Pandemic Monovalent Vaccine (Without Adjuvant), and Panvax® H1N1 vaccines have not yet been widely used but are expected to be like the seasonal influenza vaccine where:

- Life-threatening allergic reactions are very rare.
- An illness called Guillain-Barré Syndrome (GBS), which causes muscle paralysis, occurred after the influenza vaccine in 1976 and may occur very uncommonly after the seasonal influenza vaccine in some other influenza seasons.

### ***Guillain-Barré Syndrome (or GBS)***

GBS is a very uncommon disease that causes muscle paralysis and has been associated with certain infectious diseases (e.g. Campylobacter bacteria). Overall, the risk of GBS occurring in association with immunization is small. In comparison to the small risk of GBS, the risk of illness and death associated with influenza is much greater.

### ***Oculorespiratory Syndrome (ORS)***

During the 2000-2001 influenza season, an "Oculo-Respiratory Syndrome" (ORS) was reported after the seasonal influenza vaccine. Symptoms include red eyes (both) that are not itchy and/or respiratory symptoms (cough, wheeze, chest tightness, difficulty breathing, difficulty swallowing, hoarseness or sore throat) and/or swelling of the face, occurring **within 24 hours** of influenza immunization. Since 2000-2001, fewer cases of ORS have been reported.

Persons who experienced ORS symptoms in the past may be safely re-immunized with influenza vaccine except for those who have experienced ORS with severe lower respiratory symptoms (wheeze, chest tightness, difficulty breathing)

within 24 hours of influenza immunization. These individuals should seek expert medical advice before being immunized again with influenza vaccine.

### **When should I seek medical attention after immunization with the H1N1 influenza vaccine?**

You should seek medical attention if you believe that you, or someone in your care, has had, or is currently experiencing a reaction to the H1N1 vaccine. **Any reaction to a vaccine should be reported to your health care provider who will report these occurrences to your local public health unit.**

### **Some general information about being vaccinated:**

- Wearing a short sleeve shirt makes it easier for you to get your vaccine.
- You will be asked to wait in the clinic area for at least 15 minutes after the needle is given.
- Children from 6 months of age to less than 10 years of age will need two doses of vaccine with at least 21 days (three weeks) between each dose.
- Both of the H1N1 vaccines will not prevent seasonal influenza so you will want to get your seasonal influenza vaccine as well for complete influenza protection.
- Older children / adolescents can consent to their own vaccinations if they are able to understand the benefits and risks of receiving and not receiving the vaccine.
- There is no cost for the vaccination.

### **Who should I talk to if I have any questions about H1N1 influenza or any other vaccines?**

If you are looking for general information about H1N1 influenza or the H1N1 vaccine that are specific to your medical condition, you should ask your health care provider or call your local public health unit.

**For additional information on influenza, please visit the following websites:**

- a) Ministry of Health and Long-Term Care:  
<http://www.health.gov.on.ca/en/ccom/flu/>
- b) Health Canada:  
<http://www.hc-sc.gc.ca/index-eng.php>
- c) Universal Influenza Immunization Program:  
[www.gettheflushot.ca](http://www.gettheflushot.ca)
- d) Public Health Agency of Canada site:  
<http://www.phac-aspc.gc.ca/index-eng.php>
- e) Canadian Coalition for Influenza Immunization Awareness and Promotion:  
[www.immunize.cpha.ca](http://www.immunize.cpha.ca)
- f) Centers for Disease Control (CDC) Influenza: Prevention and Control Home Page  
[www.cdc.gov/flu](http://www.cdc.gov/flu)
- g) Canadian Pediatric Society: Recommendations for the use of Influenza Vaccine for Children.  
[www.cps.ca/English/statements/ID/ID04-01.htm](http://www.cps.ca/English/statements/ID/ID04-01.htm)

ServiceOntario, INFOline: 1-877-234-4343 toll free in Ontario (TTY: 1-800-387-5559)

Telehealth Ontario: 1-866-797-0000 (TTY: 1-866-797-0007)

*Or call your **local public health unit**.*

Version française disponible en communiquant avec le 1 877 234-4343 ATS: 1 800 387-5559

Web site: [www.vaccincontrelagrippe.ca](http://www.vaccincontrelagrippe.ca)