



Michigan Department of Community Health, 201 Townsend Street, Lansing, Michigan 48909

## **SEASONAL FLU**

### **Flu Vaccine**

On Wednesday, the Federal Drug Administration (FDA) [released the first lots](#) of flu vaccine for the 2011-12 influenza season

Yesterday the Centers for Disease Control and Prevention (CDC) updated: [Key Facts about Influenza \(Flu\) & Flu Vaccine](#). The updated version contains information on the new intradermal flu vaccine.

This week the CDC also posted:

- [Q&A's 2011-12 Seasonal Influenza Vaccine Updates](#)
- [Children, the Flu, and the Flu Vaccine](#)
- An updated website of: [Past Flu Seasons](#)

### **Infection Prevention Guidelines**

This week the CDC issued a [new guide and checklist](#) to improve infection prevention in primary care offices, surgery centers, and other outpatient facilities.

### **Surveillance**

The 2011 influenza season is starting in at least one part of the Southern Hemisphere, [according to](#) the World Health Organization (WHO). Reports from South Africa note high flu activity, with more than 80% of cases over the past 2 weeks caused by the 2009 H1N1 virus and increasing levels of type B flu. Flu activity in New Zealand is low, as it is in much of Australia, but a recent increase in emergency department visits for influenza-like illness may indicate the beginning of the flu season there as well. Elsewhere, pockets of flu transmission exist in South America, sub-Saharan Africa, and tropical Asia.

### **Antivirals**

The FDA issued the following update on July 11, 2011: [Tamiflu \(oseltamivir phosphate\) for Oral Suspension: Label Change-New Concentration \(6 mg/mL\)](#)

### **Antiviral news articles:**

[Lower Concentration for Oseltamivir Oral Suspension](#)

[FDA Clears First Antiviral Surgical Mask](#)

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## **Journal Articles**

### **Flu Vaccine Response**

Researchers in the [recent](#) *Nature Immunology* journal discuss identifying genetic markers that can be used to predict a few days after flu immunization if a vaccine recipient will produce high levels of antibodies, according to a [press release](#) from Emory University. The group analyzed genetic activity from healthy young adults during the 2007, 2008, and 2009 flu seasons.

### **Flu Strain Circulation**

Using mathematical modeling, researchers may be able to predict how influenza strains will behave throughout a flu season based on which strains are circulating early in the season. Writing in *PLoS Medicine*, researchers studied surveillance data from the CDC on strains of influenza A/H3N2, A/H1N1, and B from 1997 to 2009. A summary of the study states, "These findings suggest that early circulation of one influenza strain is associated with a reduced total incidence of other strains, possibly because of cross-subtype immunity."

## **News Articles**

[Discovery of natural antibody brings a universal flu vaccine a step closer](#)

### *Pandemic Flu*

[Journal offers insights on flu pandemics back to 1889](#)

[Study: Adjuvanted H1N1 vaccines had little effect on GBS risk](#)

[Use of Intravenous Neuraminidase Inhibitors During the 2009 Pandemic: Results From Population-Based Surveillance](#)

[Viral shedding in children infected by pandemic A/H1N1/2009 influenza virus](#)

### *Avian Flu*

[Medicago reports positive Phase II final results for its avian flu pandemic vaccine](#)

[Inovio Pharmaceuticals Demonstrates Positive Immune Responses in Phase I Clinical Trial](#)

## **FLU RESOURCES**

**Stay up-to-date with:**

**MDCH:** [www.michigan.gov/flu](http://www.michigan.gov/flu)

**CDC:** [www.cdc.gov/flu](http://www.cdc.gov/flu)

**HHS:** [www.flu.gov](http://www.flu.gov) or [www.vaccines.gov](http://www.vaccines.gov)