



Michigan Department of Community Health, 201 Townsend Street, Lansing, MI 48933

CDC ALERTS HEALTH PROVIDERS ABOUT H1N1 PATTERNS

The U.S. Centers for Disease Control and Prevention issued a [Health Advisory](#) this week addressing reports of severe respiratory illness among young and middle-aged adults due to the 2009 H1N1 virus. Nationally, multiple hospitalizations and some deaths have been reported, and the virus seems to be following a pattern seen during the pandemic months when it caused more illness in children and young adults.

So far there is no sign of significantly increased virulence or transmissibility, but CDC will continue to monitor the situation. The CDC urges health providers to recommend seasonal flu vaccination and consider antiviral treatment as early as possible for patients with severe infections or at higher risk for complications.

- CIDRAP: [Texas cluster part of rising H1N1 activity in state, nation](#)

AVIAN INFLUENZA A (H7N9) NEWS AND ARTICLES

No new human infections with avian influenza A (H7N9) were reported in the past week, but one new fatality was reported in one of the Hong Kong cases. The global case count is 147 with 48 deaths. There is no evidence of sustained human-to-human transmission at this time.

- [Hong Kong confirms first death from H7N9 bird flu](#)
- European CDC: [Epidemiological update: A\(H7N9\) influenza virus, China](#) (Dec. 20)
 - If the virus persists in poultry, it poses significant long-term threat to humans as a zoonotic virus or possible pandemic strain
 - Urges travelers to avoid live-bird markets

INFLUENZA VACCINE AVAILABILITY TRACKING SYSTEM

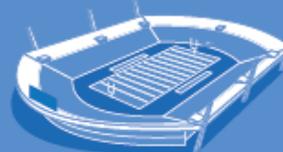
The [National Adult and Influenza Immunization Summit](#) regularly posts updated information to the [Influenza Vaccine Availability Tracking System](#). This is a resource for healthcare settings who need to purchase additional influenza vaccine. Updates are ongoing throughout the 2013-14 season.

MICHIGAN IMMUNIZATION TIMELY TIPS NEWSLETTER

The December 2013 issue of the MI Immunization Timely Tips newsletter has been [released](#). This issue features clarification on Tdap and pregnancy, new guidelines for vaccinating immunocompromised patients, and other important immunization news.

The estimated number of flu hospitalizations prevented in the 2012-2013 season:

79,000



or all the fans in a FULL NFL stadium

the **benefits** of vaccination

Source: [CDC](#)

INFLUENZA-RELATED NEWS ARTICLES

- [Bird flu outbreak at China poultry farm confirmed H5N2](#)
- [BioCryst files peramivir new drug application for the treatment of influenza](#)
- [H1N1 outbreak reported in Edmonton hospital, staff and patients ill](#)

INFLUENZA-RELATED JOURNAL ARTICLES

- [Systems analysis of sex differences reveals an immunosuppressive role for testosterone in the response to influenza vaccination](#)
 - Studied antibody responses to the 2008-09 trivalent flu vaccine in 53 women, 34 men of different ages
 - Found women had elevated antibody responses compared with men
 - Men with highest testosterone levels had weakest antibody responses
- [Neurological manifestations of influenza infection in children and adults: results of a national British surveillance study](#)
 - Majority of neurological manifestations due to H1N1
 - More children than adults were identified
- *American Journal of Public Health*: [Reaching children never previously vaccinated for influenza through a school-located vaccination program](#)
 - School-located vaccination program more successful at reaching children never vaccinated for flu
 - Kids vaccinated with pH1N1 in schools more likely to receive 2nd dose than those vaccinated in provider offices (80% vs 45%)
- *MMWR*: [Influenza activity - U.S., Sep 29-Dec 7, 2013](#)

FLU WEBSITES

www.michigan.gov/flu
www.cdc.gov/flu
www.flu.gov
<http://vaccine.healthmap.org/>

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