



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

SEASONAL INFLUENZA ACTIVITY

Last week, influenza activity continued to decrease in the U.S. Michigan was one of 19 states that reported 'local' influenza activity. 'Sporadic' activity was reported by 18 states.

National News

- CDC's [FluView](#) (week ending March 15, 2014)
 - 75 flu-associated pediatric deaths have been reported for the 2013-14 season
- [U.S. flu season continues slow decline](#)
- [Seasonal H3 strain now circulating in Rhode Island](#)
- [Influenza continues to claim lives of Oklahomans](#)
- [Five new flu deaths reported in North Carolina](#)

INFLUENZA-RELATED JOURNAL ARTICLES

- [Child, household, and caregiver characteristics associated with hospitalization for influenza among children 6-59 months of age](#)
 - Study among U.S. Emerging Infections Program sites
 - Chronic illnesses, young maternal age, poverty, household smoking, and lack of household influenza vaccination increased risk of flu hospitalization of young children
- [Comparative community burden and severity of seasonal and pandemic influenza: results of the Flu Watch cohort study](#)
 - Community-based study comparing burden, severity of seasonal, pandemic flu in England over 5 years
 - Average 18% of unvaccinated community infected with flu each season, 77% of these asymptomatic
- [Effectiveness of neuraminidase inhibitors in reducing mortality in patients admitted to hospital with 2009 H1N1 virus infection: a meta-analysis](#)
 - Hospitalized adults who received neuraminidase inhibitors ≤ 2 days of symptom onset were half as likely to die as hospitalized adults not treated
- [North Atlantic migratory bird flyways provide routes for intercontinental movement of avian influenza viruses](#)
 - Detected viruses entirely of American lineage, entirely of Eurasian lineage, and viruses with mixed American-Eurasian lineage

FLU WEBSITES

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

AVIAN INFLUENZA A (H7N9) NEWS AND ARTICLES

The global outbreak total is now at [397 cases](#) and 120 deaths since February 2013. Hong Kong reported an imported illness this week in a 5-month-old girl from mainland China. She visited Guangdong province before her illness onset.

In related news, a [mapping study](#) that recently predicted the spread of H7N9 into Guangxi province has identified northern Vietnam as the next high-risk area. The findings support the need for increased surveillance in northern Vietnam for human illnesses and positive samples from live-poultry markets.

- [Hong Kong investigates imported H7N9 case in 5 month-old baby girl](#)
- [First serologic study for influenza A\(H7N9\) virus among veterinarians in Guangdong, China](#)
 - Chinese research team tested blood samples from vets in Guangdong, found no evidence of H7N9 infection
 - Because viruses can change rapidly, seems prudent to monitor high-risk groups like vets, poultry workers, and healthcare workers

AVIAN INFLUENZA A (H5N1) NEWS ARTICLES

- [H5N1 outbreak in Cambodia, low-path H5N2 in Netherlands](#)
- [9th human case of H5N1 in Cambodia in 2014](#)
- [Long-term booster schedules with adjuvanted H5N1 vaccines induces rapid and broad immune responses in Asian adults](#)
 - Adjuvanted booster dose of H5N1 vaccine given to adults 6, 12, or 36 months after they received the first of two doses produced strong antibody responses
 - Immunogenicity decreased with time, but vaccinated persons could potentially be protected up to 3 years after vaccination

OTHER INFLUENZA-RELATED NEWS

- [Study shows correlation between exercise and decreased risk of influenza infection](#)
- [Google Flu Trends overestimated flu cases by over 50%](#)
- [South Korea culls over 6% of poultry to curb bird flu](#)

FluBytes is distributed to MDCH flu partners for informational and communication purposes. Please feel free to distribute widely. Archived editions of FluBytes are available [here](#) and MI FluFocus archives are [here](#).