



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

H3N2 VARIANT VIRUS (H3N2v) - MICHIGAN CASES

A total of 2 human cases of H3N2v have been identified in Berrien County children who were swine exhibitors at the Berrien County Youth Fair. This is in addition to the 16 human H3N2v cases that have been reported in association with swine exposure in Indiana, Ohio, and Illinois in 2013.

MDCH would like to remind healthcare providers to assess patients with influenza-like illness (ILI) for recent exposure to swine or agricultural events such as county/state fairs. If you suspect H3N2v cases, MDCH can assist with respiratory virus testing. Be vigilant for ILI clusters, especially among children returning to schools and daycares, and notify your local health department if you notice anything unusual.

- CDC Case Count (updated 9/6/13): <http://www.cdc.gov/flu/swineflu/h3n2v-case-count.htm>
- MDCH has guidance for healthcare and public health providers on www.michigan.gov/flu

MDCH/MSU 2013-14 FLU SEASON KICK-OFF WEBINAR

A big thank you to everyone who participated in the MDCH/MSU webinar to kick off the 2013-14 influenza season on August 28th! As a reminder, the slides have been posted [here](#) and will remain on our website until September 11.

AMERICAN ACADEMY OF PEDIATRICS RECOMMENDATIONS

The American Academy of Pediatrics (AAP) has released its [guidance](#) for influenza vaccination during the 2013-14 season. The dosing algorithm for children 6 months-8 years of age is unchanged from last year. The AAP continues to recommend prescribing antiviral drugs for children hospitalized for flu or with severe flu symptoms, as well as for kids with flu who have underlying chronic conditions.

- [Peds to parents: Don't delay kids' flu vaccines](#)

INFLUENZA-RELATED NEWS ARTICLES

- [Italian poultry worker tests positive for avian H7N7 flu](#)
- CIDRAP: [H7N7 strikes fourth Italian poultry farm](#)
- CIDRAP: [South Korean researchers find H3N2v in pigs](#)

H5N1 AVIAN INFLUENZA JOURNAL AND NEWS ARTICLES

- [Cambodia reports 18th human case of bird flu this year](#)
- *Journal of Clinical Investigation*: [Human antibodies that neutralize respiratory droplet transmissible H5N1 influenza viruses](#)

FLU WEBSITES

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

AVIAN INFLUENZA A (H7N9)

No new cases of human infection with avian influenza A (H7N9) were reported in the past week. The outbreak total remains at 135 cases and 44 deaths. There is no evidence of sustained human-to-human transmission at this time.

Related journal articles:

- *Journal of Infectious Diseases*: [Cytokine and chemokine levels in patients infected with H7N9 virus in China](#)
- *Journal of Infectious Diseases*: [H7N9 virus could be transmitted between ferrets via respiratory droplets](#)
- *Science*: [Structures and receptor binding of hemagglutinins from human-infecting H7N9 viruses](#)
- *Emerging Infectious Diseases*: [Historic prevalence and distribution of avian influenza virus A\(H7N9\) among wild birds](#)
 - Low prevalence in Asia suggests 30,000+ samples would be required to detect H7N9 subtype in wild birds
- *Emerging Infectious Diseases*: [Surveillance for avian influenza A\(H7N9\), Beijing, China, 2013](#)
- *Journal of Infectious Diseases*: [Relationship between domestic and wild birds in live poultry market and a novel human H7N9 virus in China](#)

INFLUENZA-RELATED JOURNAL ARTICLES

- CIDRAP: [Swine study suggests flu vaccination may sometimes backfire](#)
 - Researchers found some piglets vaccinated against H1N2 flu got severely ill after infection with 2009 H1N1, suggesting cross-reactive antibodies triggered by the vaccine made symptoms worse
- *Journal of Infectious Diseases*: [Complications and associated bacterial co-infections among children hospitalized with seasonal or pandemic influenza, U.S., 2003-2010](#)
 - Most common complications were pneumonia, asthma exacerbations, and dehydration
- [Intravenous peramivir for treatment of influenza in hospitalized patients](#)
 - Open-label, randomized study initiated during 2009 H1N1 pandemic
 - Found that once- or twice-daily administration was associated with decreases in viral shedding and clinical improvement

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