



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

NATIONAL IMMUNIZATION AWARENESS MONTH

August is National Immunization Awareness Month and will be here before we know it! The National Public Health Information Coalition has posted their 2014 communications [toolkit](#) with updated information from CDC. The toolkit highlights a different population each week of the month:

- A Healthy Start (birth to age 2, pregnant women)
- Back to School (children through 18 years)
- Off to the Future (young adults 19-26)
- Not Just for Kids (adults 26 and older)

CDC INFORMATION ON 2014-15 FLU SEASON

This week, the Centers for Disease Control and Prevention updated their flu website with information on "[What You Should Know for the 2014-2015 Influenza Season](#)." This is a good resource for information on the upcoming season. Also make sure to check www.michigan.gov/flu throughout the summer as we update our materials for the 2014-15 season.

AVIAN INFLUENZA A(H7N9) NEWS AND JOURNAL ARTICLES

There was 1 new case of H7N9 reported this week in a 55-year-old man from Hunan province. The patient had exposure to live poultry. The global outbreak total is at [452 cases](#) with at least 158 deaths since February 2013.

Health officials expect sporadic human infections to continue because the virus is still circulating in poultry. In poultry-testing developments, Chinese officials recently [reported](#) results from large-scale surveillance from June 1 to June 20 in 10 provinces.

- [Infection with possible precursor of avian influenza A\(H7N9\) virus in a child, China, 2013](#)
 - In March 2013, a strain of H7N9 was identified in a 4-year-old boy with mild symptoms
 - Boy's strain similar to avian H9N2, may represent precursor of more-evolved H7N9 subtypes
- [H7N9 flu virus detected at Henan poultry market](#)

AVIAN INFLUENZA A(H5N1) NEWS AND JOURNAL ARTICLES

- [Egyptian man dies from H5N1 infection](#)

FLU WEBSITES

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

INFLUENZA-RELATED JOURNAL ARTICLES

- [Risk factors for severe influenza A-related pneumonia in adult cohort, Mexico, 2013-14](#)
 - Most were unvaccinated
 - More comorbidities and severity of illness found than for patients during 2009-10 pandemic
- [Spatial transmission of 2009 pandemic influenza in the U.S.](#)
 - Spread of pandemic influenza in fall 2009 dominated by short-distance spatial spread, likely accelerated by school openings
- [Burden of seasonal influenza in children with neurodevelopmental conditions](#)
 - Canadian study found significant burden of flu infection in children with neurologic and neurodevelopmental conditions, even those conditions that do not compromise respiratory function
- [Influenza-specific antibody-dependent cellular cytotoxicity: toward a universal influenza vaccine](#)
- [First-year results of the Global Influenza Hospital Surveillance Network: 2012-13 Northern hemisphere influenza season](#)
 - Hospitals in Spain, France, Russia, Turkey
 - Flu strains varied greatly between sites, over time
- [Expansion of genotypic diversity and establishment of 2009 H1N1 pandemic-origin internal genes in pigs in China](#)
 - Repeated introduction of 2009 H1N1 influenza into Chinese swine over past years appears to have changed makeup of circulating swine influenza viruses

OTHER INFLUENZA-RELATED NEWS

- WHO: [Four countries to benefit from Pandemic Influenza Preparedness Framework](#)
- [Restrictions end after low-pathogenic bird flu](#)
- [Health Canada raises concerns about country's only flu vaccine plant](#)
- [Researchers suggest fixes to Google flu trends analytics](#)

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](#).