



MI Flu Focus

Influenza Surveillance Updates

Bureaus of Epidemiology and Laboratories



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Influenza Surveillance Report for the Week Ending October 8, 2016

MI's Influenza Activity Level:
Sporadic

Updates of Interest:

MDHHS has confirmed the first two cases of influenza for the 2016-2017 season. Both confirmations were influenza A/H3N2, from adults in Southeast Michigan.

Sentinel Provider Surveillance

The proportion of visits due to influenza-like illness (ILI) increased to 0.8% overall, which is below the regional baseline of 1.9%. A total of 108 patient visits due to ILI were reported out of 12,706 office visits. Please note: These rates may change as additional reports are received.

Number of Reports by Region (30 total):

- C (13)
- N (2)
- SE (10)
- SW (5)

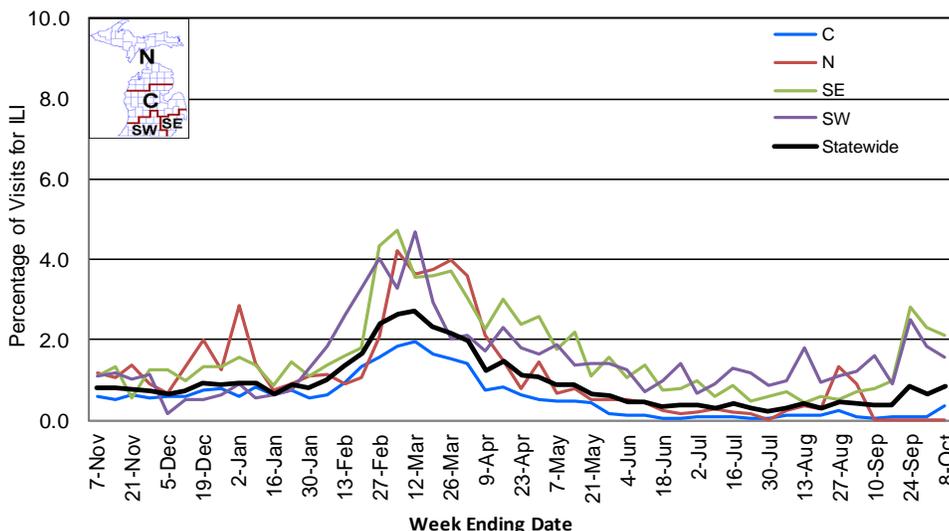
National Surveillance: In the United States, 1.1% of outpatient visits were due to influenza-like illness, which is below the national baseline of 2.2%.

Become a Sentinel Provider!

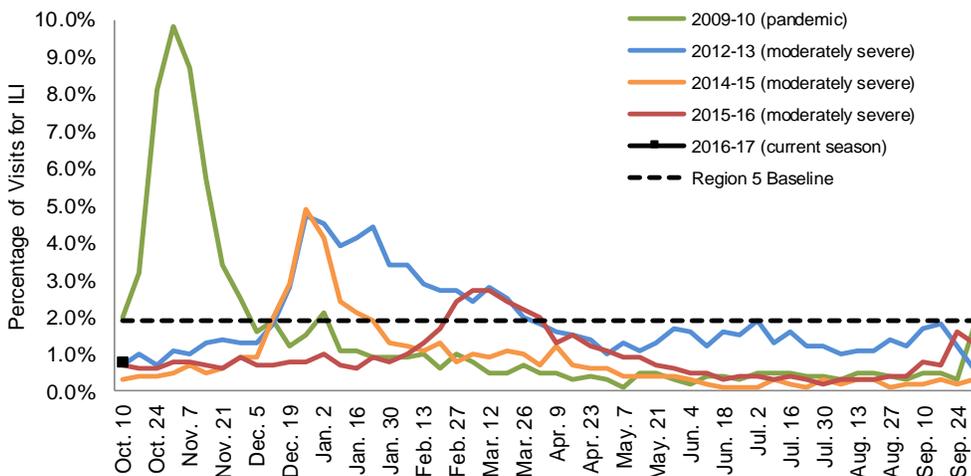
As part of pandemic influenza surveillance, CDC and MDHHS highly encourage year-round participation from all sentinel providers. New practices are encouraged to join the sentinel surveillance program today! Contact Jalyn Ingalls (IngallsJ@michigan.gov) for more information.

Additional information is in the weekly FluView reports available at: www.cdc.gov/flu/weekly.

Percentage of Visits for Influenza-like Illness (ILI) Reported by Sentinel Providers, Statewide and Regions 2015-16 Flu Season



Percentage of Visits for Influenza-like Illness (ILI) Reported by the US Outpatient Influenza-like Illness Surveillance Network (ILINet): Michigan, Select Seasons



Hospital Surveillance

The CDC Influenza Hospitalization Surveillance Project provides population-based rates of hospitalization due to severe influenza illness through active surveillance and chart review of lab-confirmed cases from Oct. 1, 2016 until Apr. 30, 2017, for Clinton, Eaton, Genesee, and Ingham counties. To date, there have been no influenza-related hospitalizations reported within the catchment area. Note: Cumulative totals may change from week to week as cases are reviewed to determine if they meet the case definition.

The MDHHS Influenza Sentinel Hospital Network monitors influenza-related admissions reported voluntarily by hospitals statewide, with 6 facilities (C, N, SE) reporting during this time period. Results for the 2016-17 flu season are listed in the table below. Additional hospitals are encouraged to join; please contact Seth Eckel at eckels1@michigan.gov.

Age Group	New Flu Hospitalizations Reported	Total 2016-17 Flu Hospitalizations Reported to Date
0-4 years	0	0
5-17 years	0	0
18-49 years	0	0
50-64 years	0	0
65 years & older	0	0
Total	0	0

Influenza-associated Pediatric Mortality

No new influenza-associated pediatric deaths were reported to MDHHS. In Michigan, there have been no influenza-associated pediatric deaths reported for the 2016-17 season. Nationally, no influenza-associated pediatric deaths have been reported for the 2016-17 flu season.

Laboratory Surveillance

MDHHS Bureau of Laboratories reported 5* new positive influenza results, all of which were identified as influenza A/H3. A total of 5 positive influenza results have been reported for the 2016-17 season. Influenza results for the 2016-17 season are in the table below.

Respiratory Virus	# Positive Respiratory Virus Results by Region				Total	# Specimens Antigenically Characterized	# Tested for Antiviral Resistance
	C	N	SE	SW			# Resistant / Total # Tested
2009 A/H1N1pdm							
Influenza A/H3	0	0	3	2	5*		
Influenza B							
A / unsubtypeable							
LAIV recovery							

**This data represents all specimens that were tested from Oct. 2 – 8, which includes some specimens that were collected prior to the start of 2016-2017 seasonal influenza surveillance.*

In addition, 9 sentinel clinical labs (2SE, 1SW, 6C) reported influenza results. One lab (SE) reported sporadic influenza A activity. No labs reported influenza B activity. Three labs (SE, SW, C) reported ongoing low Parainfluenza activity. One lab (C) reported sporadic RSV activity. One lab (C) reported sporadic Adenovirus activity. No labs reported hMPV activity. Testing volumes overall remain low but several sites are showing small upward trends.



UPDATED INFLUENZA VACCINE COMPOSITION FOR 2017 SOUTHERN HEMISPHERE INFLUENZA SEASON

The World Health Organization has made their recommendation for the 2017 Southern Hemisphere Influenza Vaccine. It is recommended that the vaccine include:

- A/Michigan/45/2015 (H1N1)pdm09-like virus
- A/Hong Kong/4801/2014 (H3N2)-like virus
- B/Brisbane/60/2008-like virus

Quadrivalent vaccine will also include:

- B/Phuket/3073/2013-like virus

This is the first year that the A/California/7/2009 (H1N1)pdm09-like virus has not been in the recommended flu vaccine composition since the 2009 pandemic.

NEW FLU VACCINE FOR THE UPCOMING FLU SEASON: FLUBLOK® (IIV4)

The FDA has approved a new vaccine that will be available during the 2016-17 flu season:

Flublok® (IIV4): This vaccine will be available in pre-filled syringes starting in January 2017. This vaccine contains 3x more active ingredient than other vaccines, and is licensed for use in people aged 18 years and older.

Also, don't forget that **Flulaval™ (IIV4)** will be available in November 2016. This vaccine is licensed for everyone aged 6 months and older. The dosage for this vaccine is 0.5mL. Please be sure to educate on the importance of proper dosage to prevent vaccine administration errors!

MDHHS PRESS RELEASE REGARDING THE START OF THE 2016-17 FLU SEASON

The start of the 2016-17 flu season is here, and we have already seen some flu activity in the State of Michigan. We have had two positive flu cases in Southeast Michigan, with both cases being influenza A/H3. MDHHS, MOA, and MSMS sent out a joint [press release](#) on Thursday, October 14th regarding updated information about these cases, and the season.

CDC HAS RELEASED THEIR 2016-17 DIGITAL MEDIA TOOLKIT FOR THE UPCOMING SEASON

The CDC has released their 2016-2017 Flu Season [Digital Media Toolkit](#). This toolkit has many resources that you can use to help educate patients about the importance of flu vaccine, and the complications that the flu can cause. This guide provides details for events and activities, sample social media and newsletter content, website badges and other digital media resources you can use to help educate on the importance of the flu vaccine.

CDC'S "DEAR COLLEAGUE" LETTER FOR THE 2016-17 INFLUENZA SEASON

CDC released their "[Dear Colleague](#)" letter for the 2016-17 season. The letter is directed towards healthcare professionals from CDC and partners, and lists five updates in the season's influenza recommendations from ACIP. It is signed by several professional societies. Please distribute to our Michigan providers!

INFLUENZA-RELATED JOURNAL ARTICLES

- [Influenza and Memory T Cells: How to awake the force](#)

OTHER INFLUENZA-RELATED NEWS

- [NC records first flu death of 2016-17 season](#)
- [SC reports first flu death of the season](#)
- [US cost of nonvaccination calculated at more than \\$7 billion annually](#)
- [CDC officials worry that the new flu vaccine recommendations could reduce use](#)
- [High-dose influenza vaccine is expected to provide cost savings and better outcomes](#)

AVIAN INFLUENZA INTERNATIONAL NEWS

- [Study finds long-distance migrant birds key to US H5N8 outbreak in 2015](#)

FLU WEBSITES

www.michigan.gov/flu

www.cdc.gov/flu

www.flu.gov

<http://vaccine.healthmap.org/>

Archived editions of FluBytes are available [here](#) and MI FluFocus archives are [here](#).

For questions or to be added to the distribution list, please contact Seth Eckel at eckels1@michigan.gov.

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