



MI Flu Focus

Influenza Surveillance Updates Bureaus of Epidemiology and Laboratories



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MI's Current Influenza Activity Level:
Sporadic

Updates of Interest:
As of October 13, 35 of 48 individuals in MI tested for EV-D68 by CDC were positive (72.9%); 1 of the confirmed cases had neurologic symptoms.

Influenza Surveillance Report for the Week Ending October 4, 2014

Michigan Disease Surveillance System

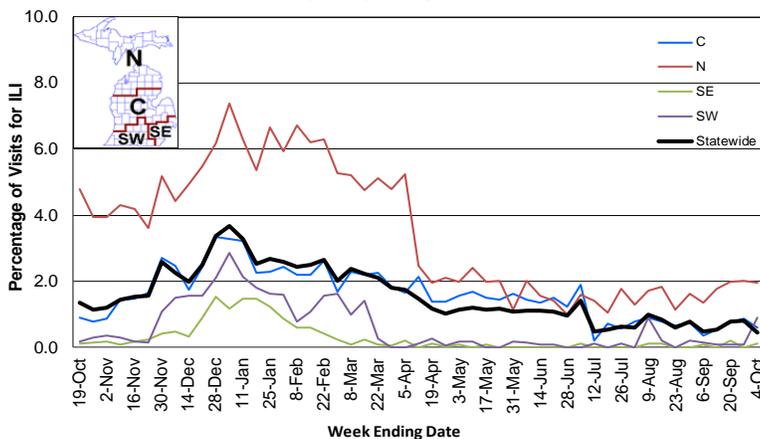
MDSS influenza data indicated that compared to levels from the previous week, aggregate reports decreased while individual reports increased and are still at sporadic levels. Aggregate reports are lower than and individual reports are higher than levels seen during the same time period last year.

Emergency Department Surveillance

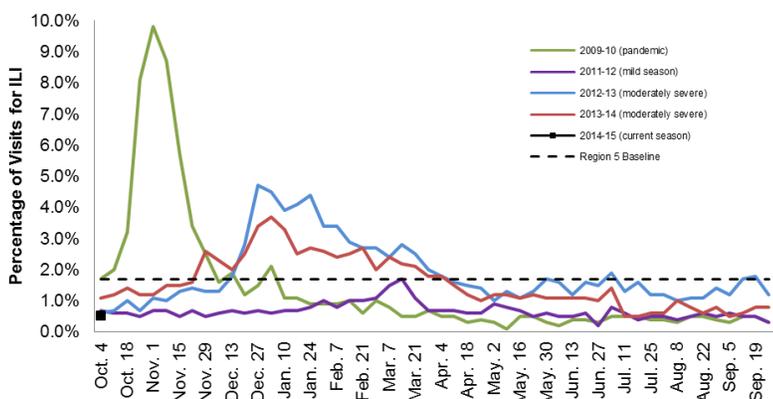
Compared to levels from the week prior, emergency department visits from constitutional complaints increased slightly, while emergency department visits due to respiratory complaints decreased compared to the prior week. Constitutional and respiratory complaints are similar to levels reported during the same time period last year.

- 8 constitutional alerts (1SE, 1SW, 4C, 2N)
- 4 respiratory alerts (4C)

Percentage of Visits for Influenza-like Illness (ILI) Reported by Sentinel Providers, Statewide and Regions 2014-15 Flu Season



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



Sentinel Provider Surveillance

The proportion of visits due to influenza-like illness (ILI) decreased to 0.5% overall; this is below the regional baseline (1.7%). A total of 34 patient visits due to ILI were reported out of 7,404 office visits. Please note: These rates may change as additional reports are received.

Number of Reports by Region (19 total):

- C (10)
- N (1)
- SE (7)
- SW (1)

Become a Sentinel Provider!

As part of pandemic influenza surveillance, CDC and MDCH highly encourage year-round participation from all sentinel providers. New practices are encouraged to join the sentinel surveillance program today! Contact Stefanie DeVita at devitas1@michigan.gov for more information.

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Hospital Surveillance

The CDC Influenza Hospitalization Surveillance Project provides population-based rates of severe influenza illness through active surveillance and chart review of lab-confirmed cases, starting on October 1, 2014, for Clinton, Eaton, Genesee, and Ingham counties. No influenza-related hospitalizations were reported.

The MDCH Influenza Sentinel Hospital Network monitors influenza hospitalizations reported voluntarily by hospitals statewide. Three hospitals (SE,SW,C) reported. Results are listed in the table below. **If hospitals have not received their influenza hospitalization tally sheets for 2014-2015, please contact Susan Bohm at bohms@michigan.gov.**

Age Group	New Flu Hospitalizations Reported	Total 2014-15 Flu Hospitalizations 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	2 (SE)	2 (SE)
Total	2 (SE)	2 (SE)

Laboratory Surveillance

MDCH Bureau of Laboratories reported 2 positive influenza A/H3 (SE). Both specimens were collected prior to the 2014-15 season (starting September 28, 2014) and were counted as 2013-14 positive influenza results. Influenza results for the 2014-15 season will be reported 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					0		
Influenza A/H3					0		
Influenza B					0		

In addition, 10 sentinel labs (3SE,2SW,4C,1N) reported influenza results. One lab (C) reported sporadic influenza A activity. No labs reported influenza B activity. Two labs (SE,C) reported sporadic Parainfluenza activity. Two labs (C,N) reported sporadic RSV activity. One lab (SE) reported sporadic Adenovirus activity. No labs reported hMPV activity. Most testing volumes are at low levels, with a few sites approaching moderate levels. One site (SE) is at high volume.

Influenza-associated Pediatric Mortality

No pediatric influenza-associated influenza mortalities have been reported to MDCH for the 2014-15 season.

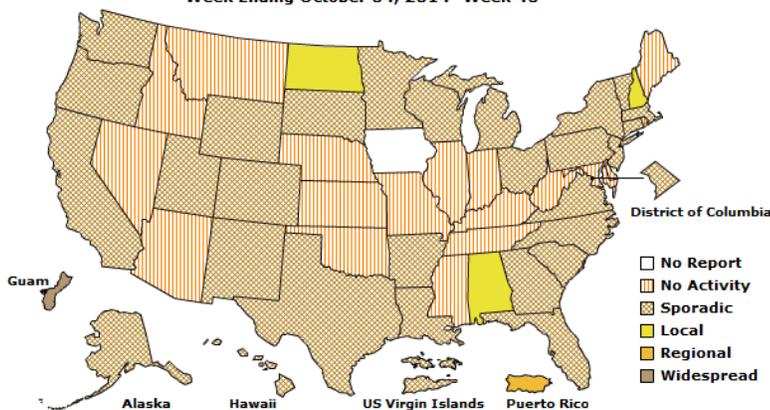
Influenza Congregate Settings Outbreaks

No respiratory facility outbreaks have been reported to MDCH for the 2014-15 season.

National: Influenza activity was low in the United States, with 1.3% of outpatient visits due to influenza-like illness. Additional information is available from the weekly FluView reports available online at: www.cdc.gov/flu/weekly/.

International: The Southern Hemisphere flu season seems to be coming to an end, but with high activity still seen in Oceania. Summary information is available online at [www.who.int/influenza/surveillance_monitoring/updates/latest update GIP surveillance/en/](http://www.who.int/influenza/surveillance_monitoring/updates/latest_update_GIP_surveillance/en/).

A Weekly Influenza Surveillance Report Prepared by the Influenza Division
Weekly Influenza Activity Estimates Reported by State and Territorial Epidemiologists*
Week Ending October 04, 2014- Week 40





INFLUENZA ACTIVITY THROUGHOUT THE U.S.

- [Health officials identify 3 cases of influenza in Iowa; activity in state remains low](#)
- [Kentucky's first influenza case reported](#)
- [Montana confirms first case of influenza](#)
- [Maryland reports first seasonal flu case](#)
- [Florida's fight against flu more forceful this season](#)
- [North Carolina officials say child dies of flu complications](#)
- [Idaho reports first flu related death of season](#)

- CIDRAP: [Some U.S. regions seeing spotty flu vaccine delays](#)

DHHS LETTER – FLU VACCINATION OF PREGNANT WOMEN

Make sure to read and promote the U.S. Department of Health & Human Services [letter](#) encouraging flu and Tdap vaccination of pregnant women! Vaccination during pregnancy not only protects the mother, it protects the infant as well.

CDC 'YOU CALL THE SHOTS' FLU MODULE

CDC recently updated the influenza vaccine module in the web-based training course 'You Call the Shots.' Continuing education credit is available for watching the module and completing the evaluation. You can view the module [here](#).

INFLUENZA-RELATED JOURNAL ARTICLES

- *Emerging Infectious Diseases*: [Oseltamivir-resistant influenza A\(H1N1\)pdm09 viruses, U.S., 2013-14](#)
 - During 2013-14, 1.2% of H1N1 viruses were resistant to oseltamivir
- *NEJM*: [2009 H1N1 influenza and pregnancy – 5 years later](#)

FLU WEBSITES

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

MDCH FALL REGIONAL IMMUNIZATION CONFERENCES

Register [now](#) for the MDCH fall immunization conferences! The Dearborn conference on October 23 is full. The following conferences still have spots open:

- Oct. 21: Flint
- Oct. 24: Troy
- Nov. 18: Grand Rapids
- Nov. 19: Kalamazoo
- Nov. 21: East Lansing

AVIAN INFLUENZA A(H7N9)

- CDC: [Travel Notices - H7N9 in China](#)
 - Travel notice has been removed, now level 1: practice usual precautions

OTHER INFLUENZA-RELATED NEWS

- [Web-based system quickly detects disease outbreaks among Michigan preschoolers](#)
- Immunize Action Coalition: October 2014 [Needle Tips](#) issue posted
 - This issue features a lot of info on flu vaccination!
- [Perceived susceptibility, benefits influenced parents' intent to vaccinate for flu](#)
- [Quadrivalent intradermal influenza vaccine phase 3 clinical trial results](#)
- [CDC Seasonal Flu Doses Distributed](#): ~98.9 million doses distributed in U.S. (week of October 3, 2014)
 - "Some companies have communicated information to their customers about delays in shipments that had originally been anticipated for August and September. Despite these early season shipping delays, however, manufacturers anticipate the majority of their flu vaccine distribution will occur by the end of October."
- [Enterovirus, Ebola, and influenza symptoms compared](#)
- [Low pathogenic avian H5N2 detected in Germany](#)

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For questions or to be added to the distribution list, please contact Stefanie DeVita at devitas1@michigan.gov.

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