



Michigan Flu Focus

Weekly Influenza Surveillance Report



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May 11, 2018

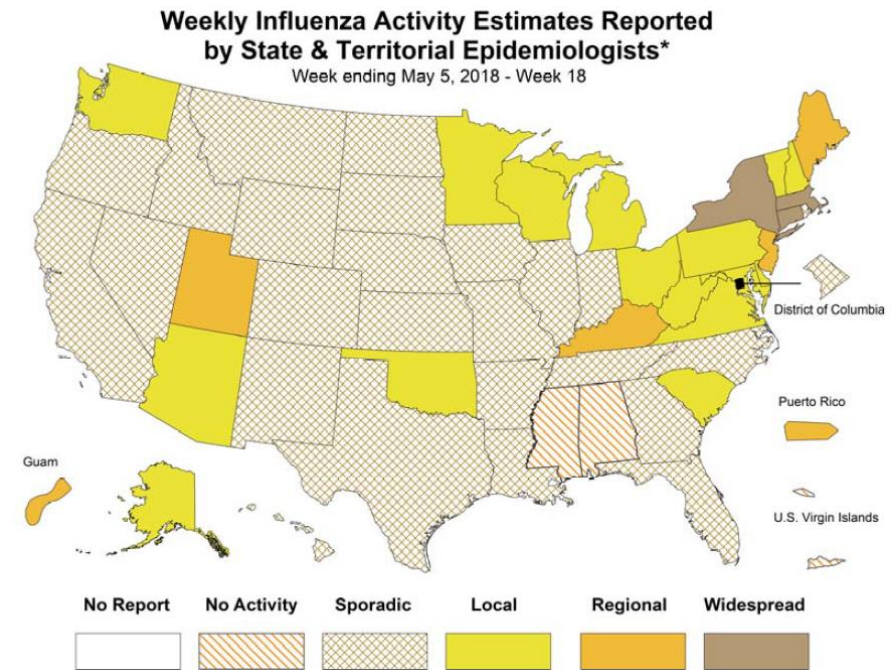
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Co-Editor: Sue Kim, MPH

Week Ending May 5, 2018 | WEEK 18

Michigan Influenza Activity
No Activity
Sporadic
<u>Local</u>
Regional
Widespread

*Clicking on the current activity level will direct you to the CDC webpage defining each activity level for the geographic spread of influenza



Updates of Interest

100 Years of Influenza Pandemics and Practice: The 1918-2018 Meeting

- On May 7, CDC and the Rollins School of Public Health at Emory University hosted the 1918 Pandemic Influenza Commemoration Symposium

Click [here](#) to view the meeting.

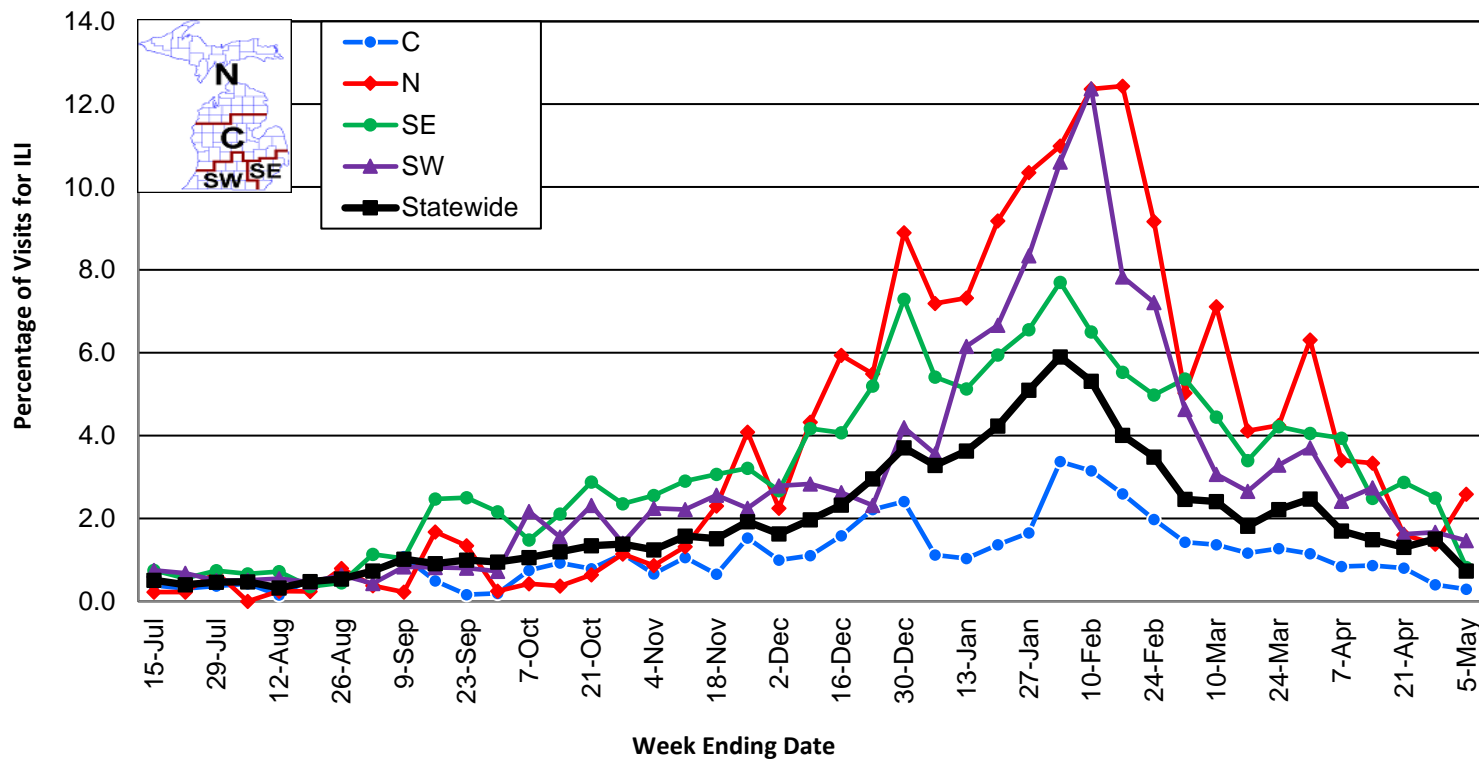
Influenza-associated Pediatric Mortality

To date, two (2) pediatric influenza deaths (A/H3) have been confirmed by MDHHS for the 2017-2018 flu season. Nationally, 165 influenza-associated pediatric deaths have been reported thus far for the 2017-2018 flu season.

- Number of reports by region: 25 total [C(10), N(2), SE(8), SW(5)]
- Proportion of visits due to ILI: ↓ 0.7 % (regional baseline*: 1.8%)
- A total of 46 patient visits due to ILI were reported out of 6,296 office visits

*Regional baseline is developed by calculating the mean percentage of patient visits for ILI during non-influenza weeks for the previous three seasons and adding two standard deviations.

Percentage of Visits for Influenza-like Illness (ILI)
Reported by Sentinel Providers, Statewide and Regions
2016-17 and 2017-18 Flu Seasons



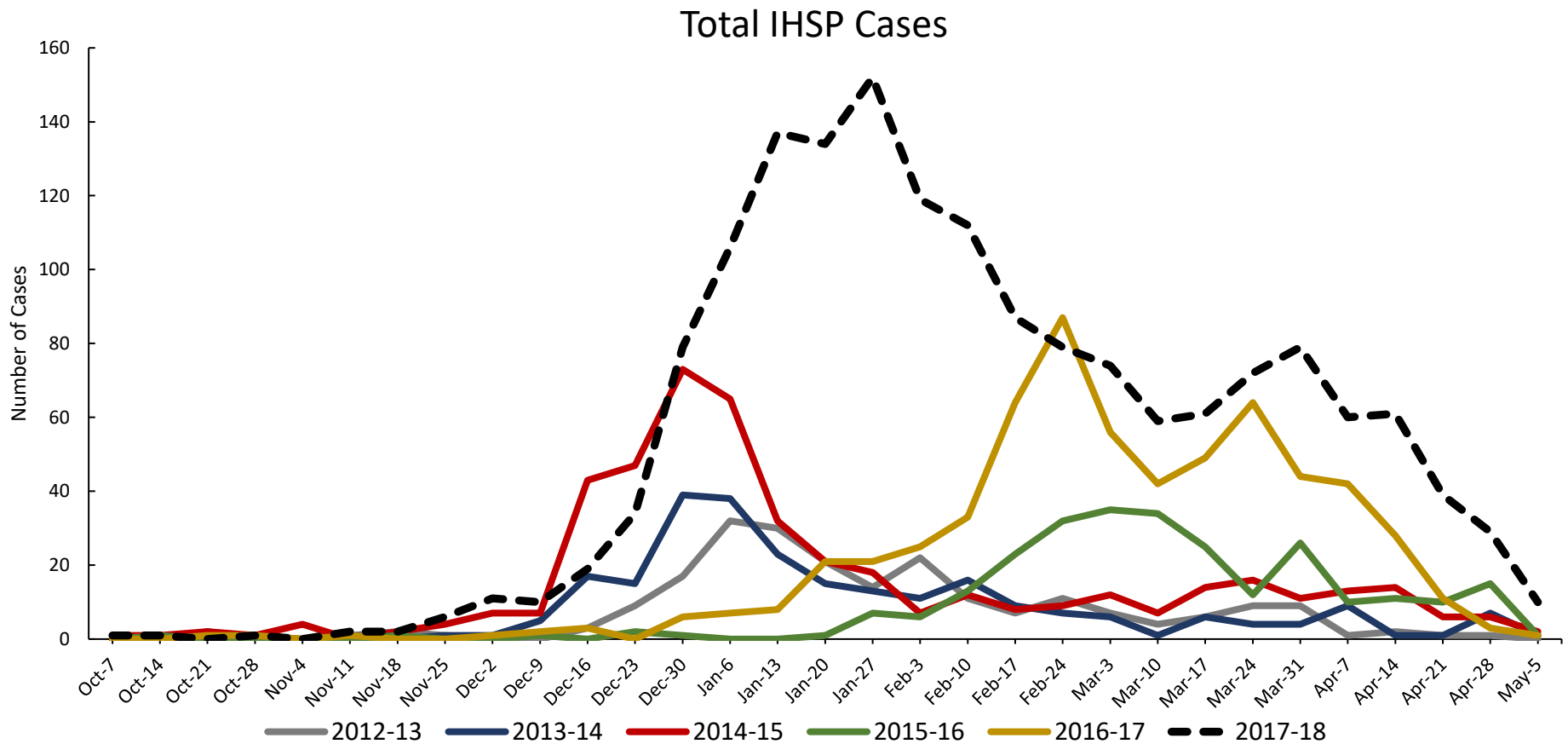
Become a Sentinel Provider! Contact:
EckelS1@michigan.gov

National Surveillance

In the United States, 1.5% of outpatient visits were due to influenza-like illness, which is below the national baseline of 2.2%.

Influenza Hospitalization Surveillance Project

The CDC Influenza Hospitalization Surveillance Project (IHSP) provides population-based rates of hospitalization due to severe influenza-related illness through active surveillance and chart review of lab-confirmed cases from Oct. 1, 2017 until Apr. 30, 2018, for Clinton, Eaton, Ingham, Genesee, and Washtenaw counties. Since Oct. 1, there have been a total of **1,636 (149 pediatric, 1,487 adult)** influenza-related hospitalizations reported in the catchment area for the 2017-2018 season.



Genesee County was added in 2012-2013

Washtenaw County was added in 2017-2018

MDHHS Bureau of Laboratories reported 4 new positive influenza results (1C, 0N, 1SE, 2SW).

Respiratory Virus	# Positive Respiratory Virus Results by Region				Overall Total
	C	N	SE	SW	
2009 A/H1N1pdm	28	4	22	24	78
Influenza A/H3	214	41	105	219	579
Influenza B	68	15	49	81	213
Total	310	60	176	324	870

Michigan Sentinel Clinical Lab Respiratory Virus Data

Six (6) sentinel clinical labs (0SE, 2SW, 4C, 0N) reported during this week

SE Region

- No data available

Central Region

- Influenza A: low; variable
- Influenza B: low or slightly elevated; downward trend; predominant
- Parainfluenza: modestly elevated
- RSV: low; steady
- Adenovirus: low
- hMPV: slightly elevated

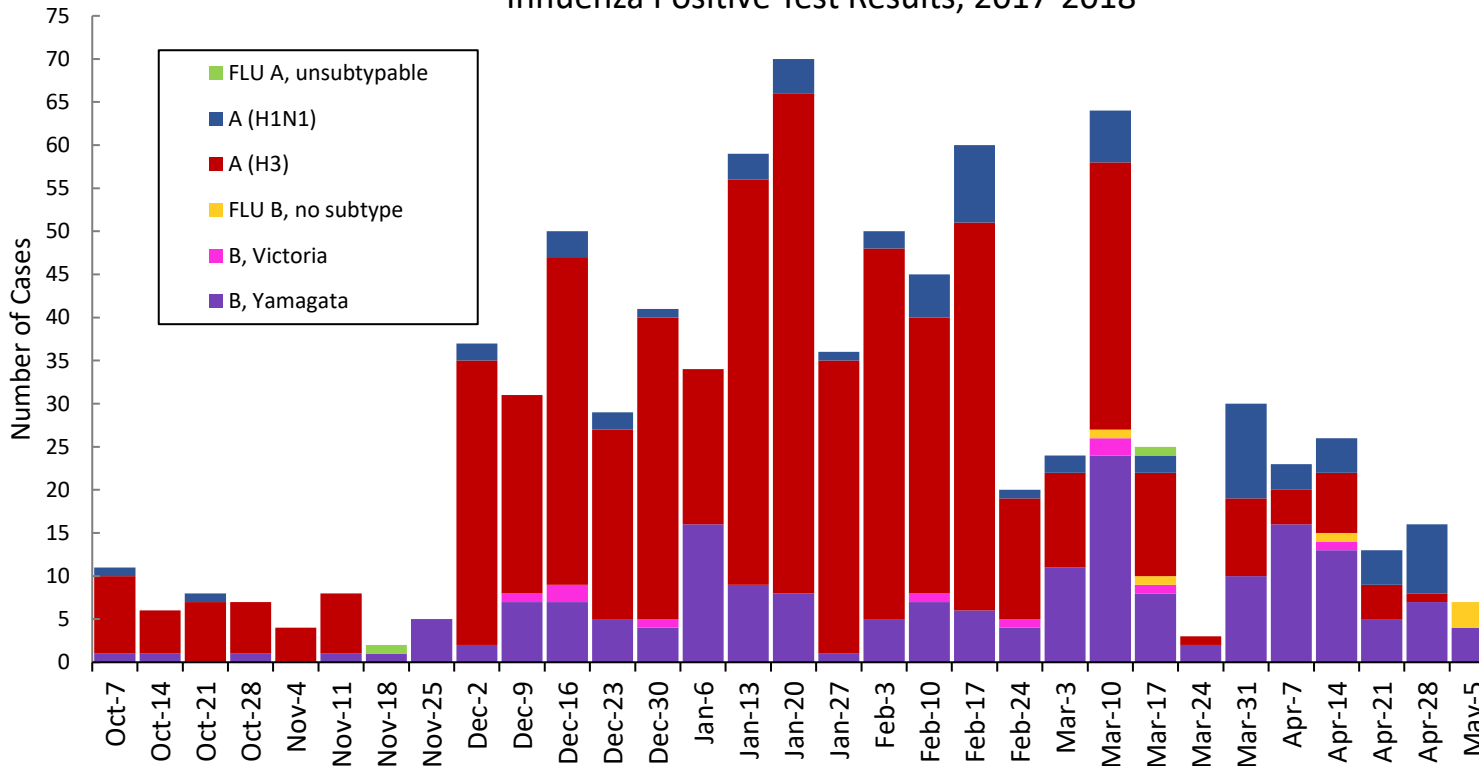
SW Region

- Influenza A: low; downward trend
- Influenza B: modestly elevated; variable; predominant
- Parainfluenza: low
- RSV: low; downward trend
- Adenovirus: sporadic
- hMPV: slightly elevated; steady

North Region

- No data available

Influenza Positive Test Results, 2017-2018



*Based on STARLIMS MDHHS BOL Testing Portal

Note: Flu B subtyping will be reported based on MDHHS BOL testing runs (roughly each month) and will be backtracked into this graph

Most recent MDHHS BOL Flu B subtyping run: **May 4, 2018.**

There were 3 (0N, 0C, 2SE, 1SW) new respiratory viral outbreaks reported to MDHHS during this time period. Respiratory outbreaks for the 2017-2018 season are listed in the table below.

Facility Type	C	N	SE	SW	Total	2015-2016 Total	2016-2017 Total
Schools: K-12 & College	9		2	3	14	10	25
Long-term Care / Assisted Living Facility	93	10	66	68	237	60	138
Healthcare Facility	2		2		4	11	23
Daycare	2			2	4	2	3
Homeless Shelter						0	1
Correctional Facility	1	4	1	4	10	2	2
Other						2	3
Total	107	14	71	77	269	87	195

Did you know?

Congregate setting outbreaks of viral respiratory illnesses are required to be reported to your local health department? See:

- [Influenza Guidance for Healthcare Providers](#)
- [Guideline for influenza and Respiratory Virus Outbreaks in Long-Term Care Facilities](#)

FluBytes

- [Phase 2 clinical study of universal influenza vaccine begins in the United States](#)
- [Maternal flu vaccine may protect infants from severe pneumonia](#)

MDHHS Contributors

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