



# Michigan Flu Focus

## Weekly Influenza Surveillance Report



Editor: Seth Eckel, MPH  
Co-Editor: Sue Kim, MPH

Editor Email: [EckelS1@michigan.gov](mailto:EckelS1@michigan.gov)

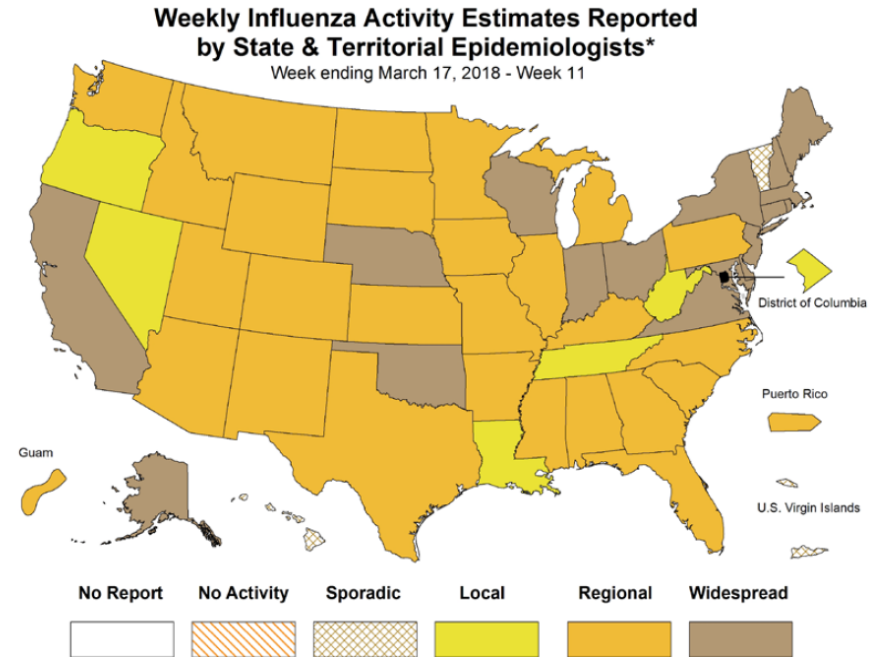
March 27, 2018

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Week Ending March 17, 2018 | WEEK 11

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

Influenza is declining, but several indicators still show high activity in many parts of the country, according to the latest CDC's FluView report.

Click [here](#) for more details from CIDRAP

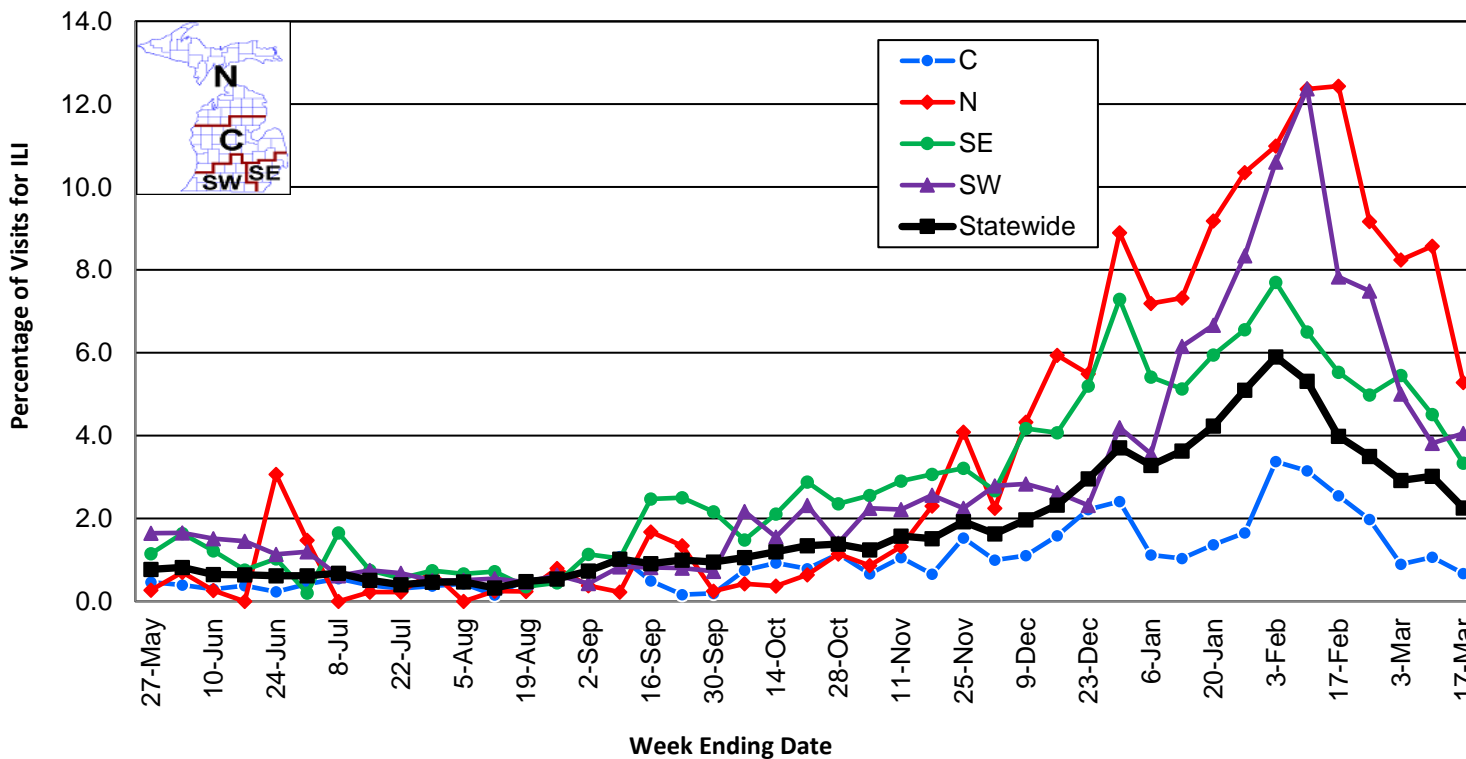
## Influenza-associated Pediatric Mortality

To date, two (2) pediatric influenza deaths (A/H3) have been confirmed by MDHHS for the 2017-2018 flu season. Nationally, one hundred thirty-three (133) influenza-associated pediatric deaths have been reported thus far for the 2017-2018 flu season.

- Number of reports by region: 31 total [C(10), N(3), SE(13), SW(5)]
- Proportion of visits due to ILI: ↓ 2.3 % (regional baseline\*: 1.8%)
- A total of 221 patient visits due to ILI were reported out of 9,797 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



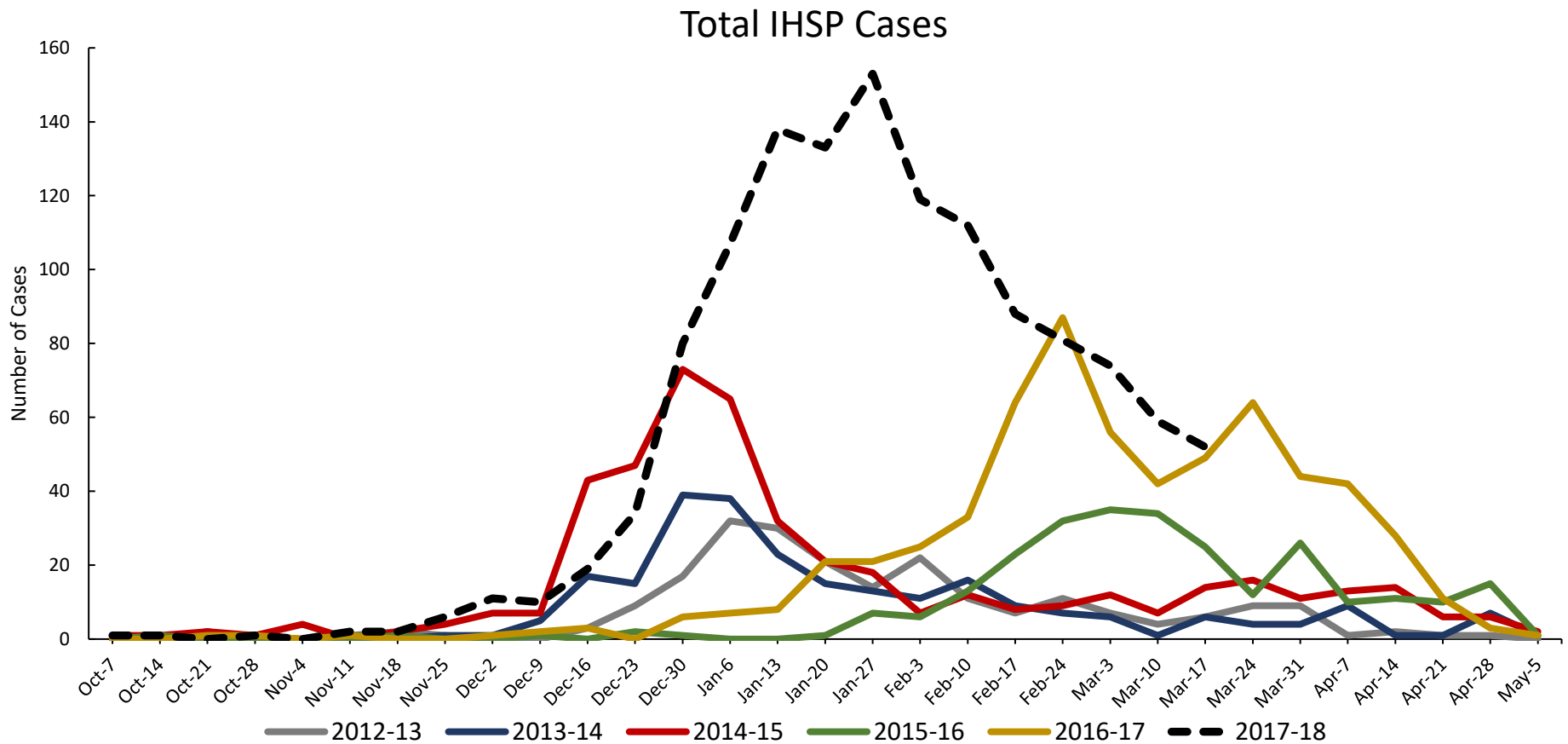
**Become a Sentinel Provider!** Contact: [EckelS1@michigan.gov](mailto:EckelS1@michigan.gov)

## National Surveillance

In the United States, 2.7% of outpatient visits were due to influenza-like illness, which is above 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 **1,283 (114 pediatric, 1,169 adult)** influenza-related hospitalizations reported in the catchment area for the 2017-2018 season.

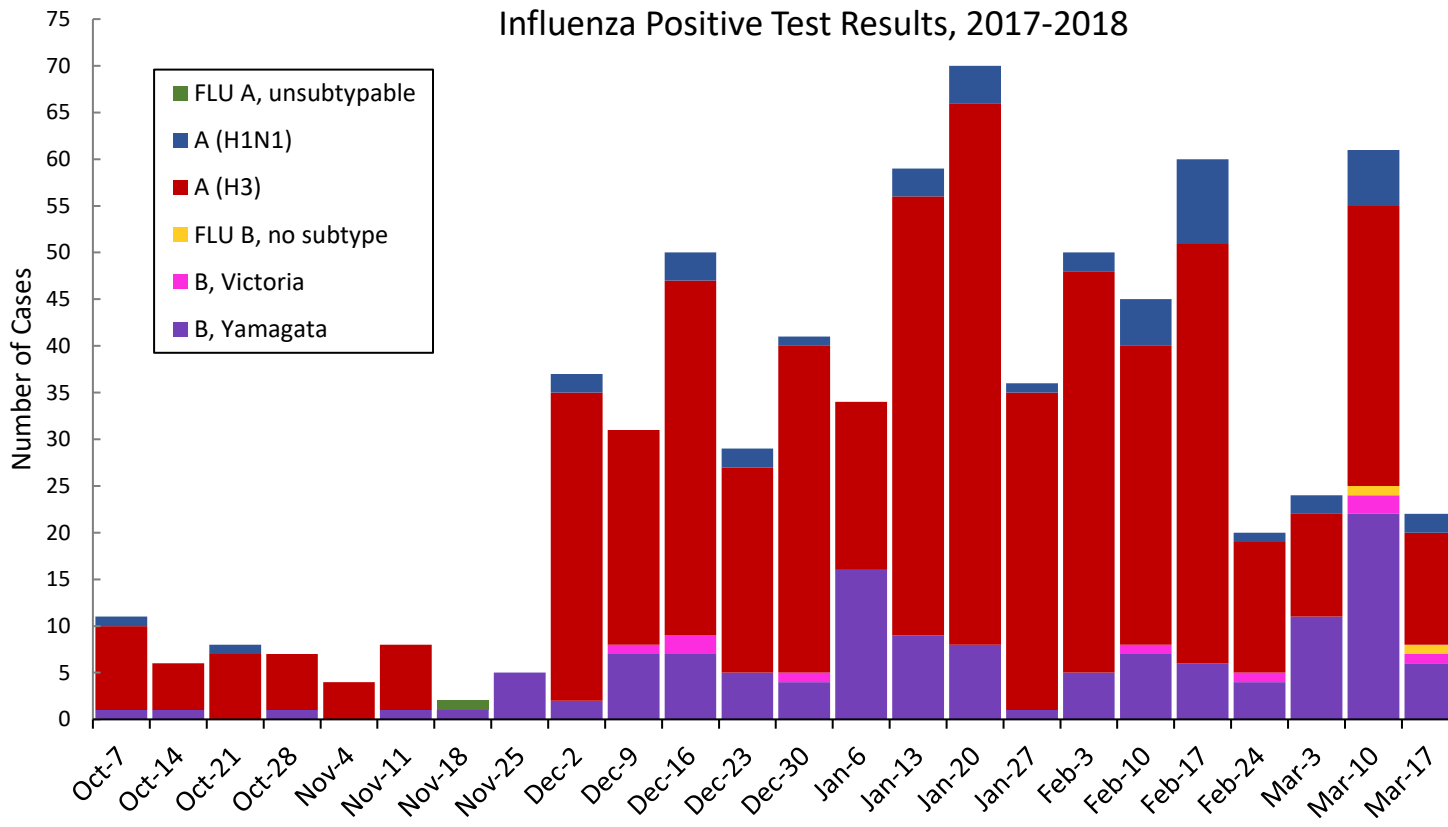


Genesee County was added in 2012-2013

Washtenaw County was added in 2017-2018

MDHHS Bureau of Laboratories reported 29 new positive influenza (17C, 1N, 1SE, 10SW).

Respiratory Virus	# Positive Respiratory Virus Results by Region				Overall Total
	C	N	SE	SW	
2009 A/H1N1pdm	8	3	18	16	<b>45</b>
Influenza A/H3	205	39	100	204	<b>548</b>
Influenza B	37	15	42	57	<b>151</b>
<b>Total</b>	<b>250</b>	<b>57</b>	<b>160</b>	<b>277</b>	<b>744</b>



\*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: **March 20, 2018**.

## Michigan Sentinel Clinical Lab Respiratory Virus Data

Ten (10) sentinel clinical labs (2SE, 2SW, 6C, 0N) reported during this week.

### SE Region

- Influenza A: elevated; slowly downtrending
- Influenza B: elevated; steady
- Parainfluenza: low
- RSV: moderately elevated; steady or decreasing
- Adenovirus: low or slightly elevated
- hMPV: modestly elevated; steady

### Central Region

- Influenza A: moderately elevated; variable with some increases
- Influenza B: modestly elevated; variable with some increases
- Parainfluenza: low
- RSV: low; steady or slightly decreasing
- Adenovirus: sporadic
- hMPV: low

### SW Region

- Influenza A: elevated; steady or decreasing
- Influenza B: elevated; slightly increasing
- Parainfluenza: low activity
- RSV: moderately elevated; steady or decreasing
- Adenovirus: low
- hMPV: low or slightly elevated

### North Region

- No data available

There were 10 (0N, 4C, 1SE, 5SW) 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	87	10	54	60	211	60	138
Healthcare Facility	2		1		3	11	23
Daycare	2			1	3	2	3
Homeless Shelter						0	1
Correctional Facility	1	4	1	4	10	2	2
Other						2	3
<b>Total</b>	<b>101</b>	<b>14</b>	<b>58</b>	<b>68</b>	<b>241</b>	<b>87</b>	<b>195</b>

## 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

- [Newer Rapid Influenza Tests Better at Ruling in Influenza](#)
- [NIH Approves Clinical Trials for Vaccines Against Avian Influenza](#)
- [H5N6 Strikes South Korean Poultry Again; Europe Finds More Avian Flu](#)

## MDHHS Contributors

**Bureau of Family Health Services -**

**Bureau of Epidemiology and Population Health –**  
S. Bidol, MPH, S. Eckel, MPH, S. Kim, MPH, M. Ladisky

**Bureau of Labs –** B. Robeson, MT, V. Vavricka, MS

For questions or to be added to the distribution list, please contact Seth Eckel at [EckelS1@michigan.gov](mailto:EckelS1@michigan.gov)