



# Michigan Flu Focus

## Weekly Influenza Surveillance Report



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March 30, 2018

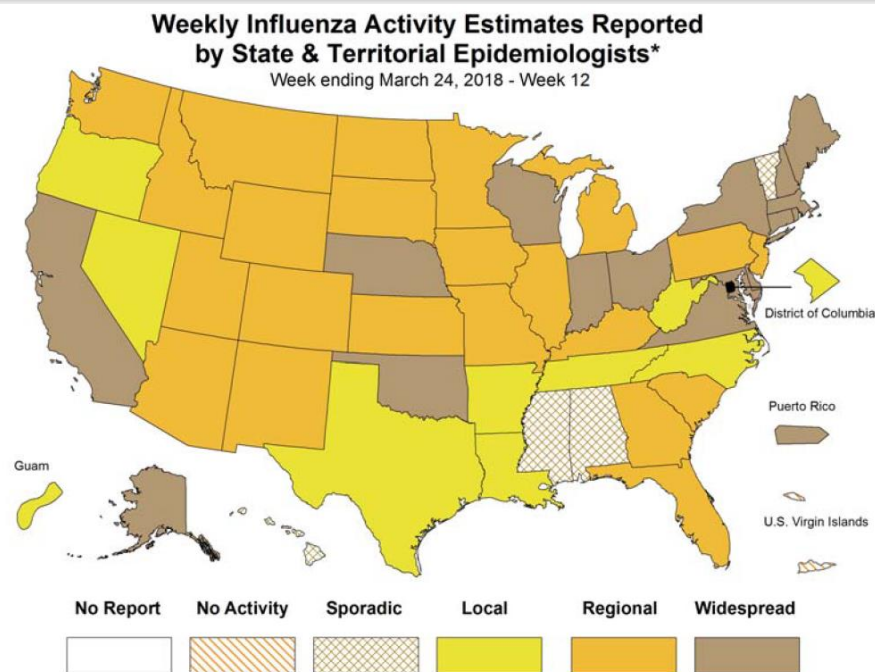
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Co-Editor: Sue Kim, MPH

Week Ending March 24, 2018 | WEEK 12

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

Although flu activity is winding down, a second wave of influenza B is incoming. Influenza B is being reported more than the previously dominating A-strain H3N2 influenza.

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

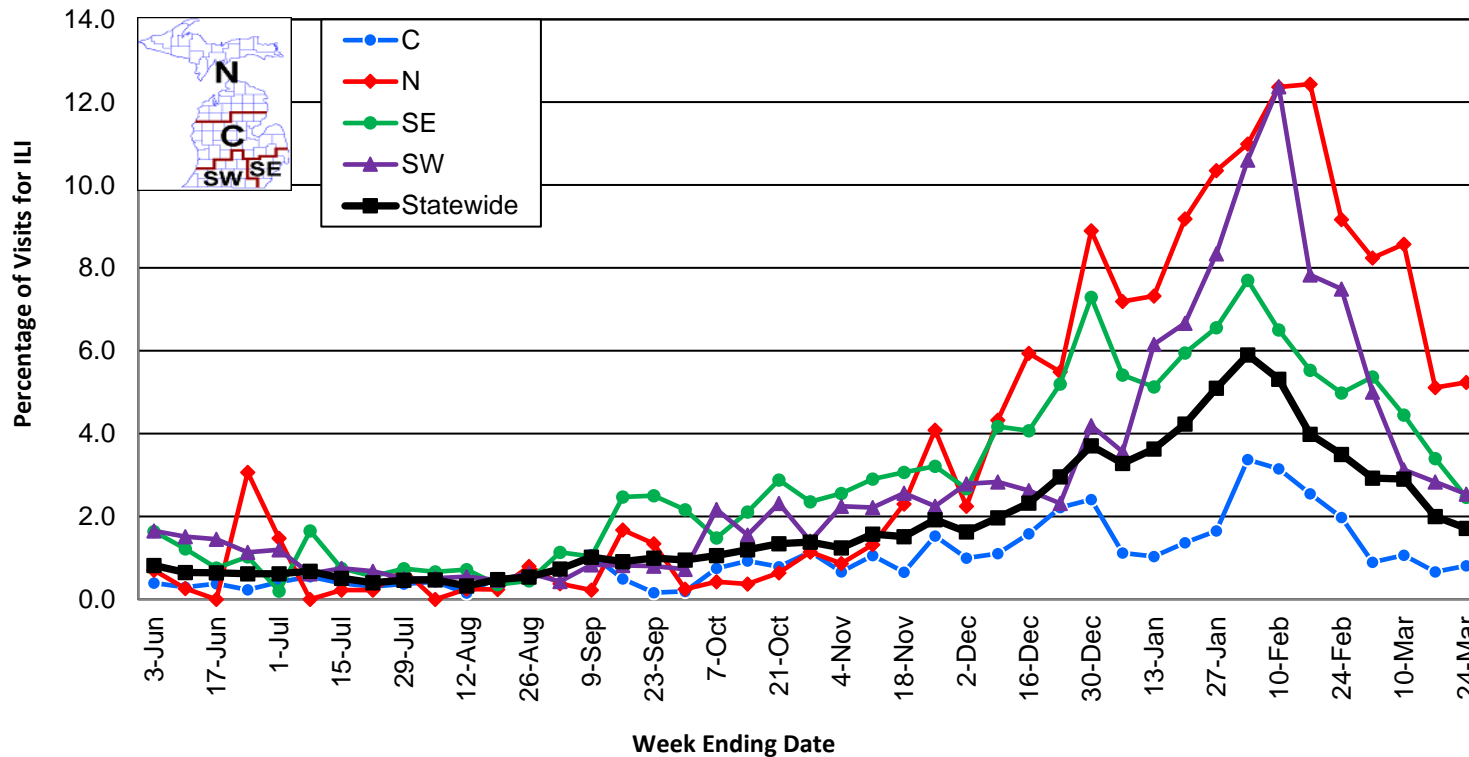
### Influenza-associated Pediatric Mortality

To date, two (2) pediatric influenza deaths (A/H3) have been confirmed by MDHHS for the 2017-2018 flu season. Nationally, one hundred thirty-seven (137) influenza-associated pediatric deaths have been reported thus far for the 2017-2018 flu season.

- Number of reports by region: 33 total [C(11), N(3), SE(14), SW(5)]
- Proportion of visits due to ILI: ↓ 1.7 % (regional baseline\*: 1.8%)
- A total of 178 patient visits due to ILI were reported out of 10,403 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



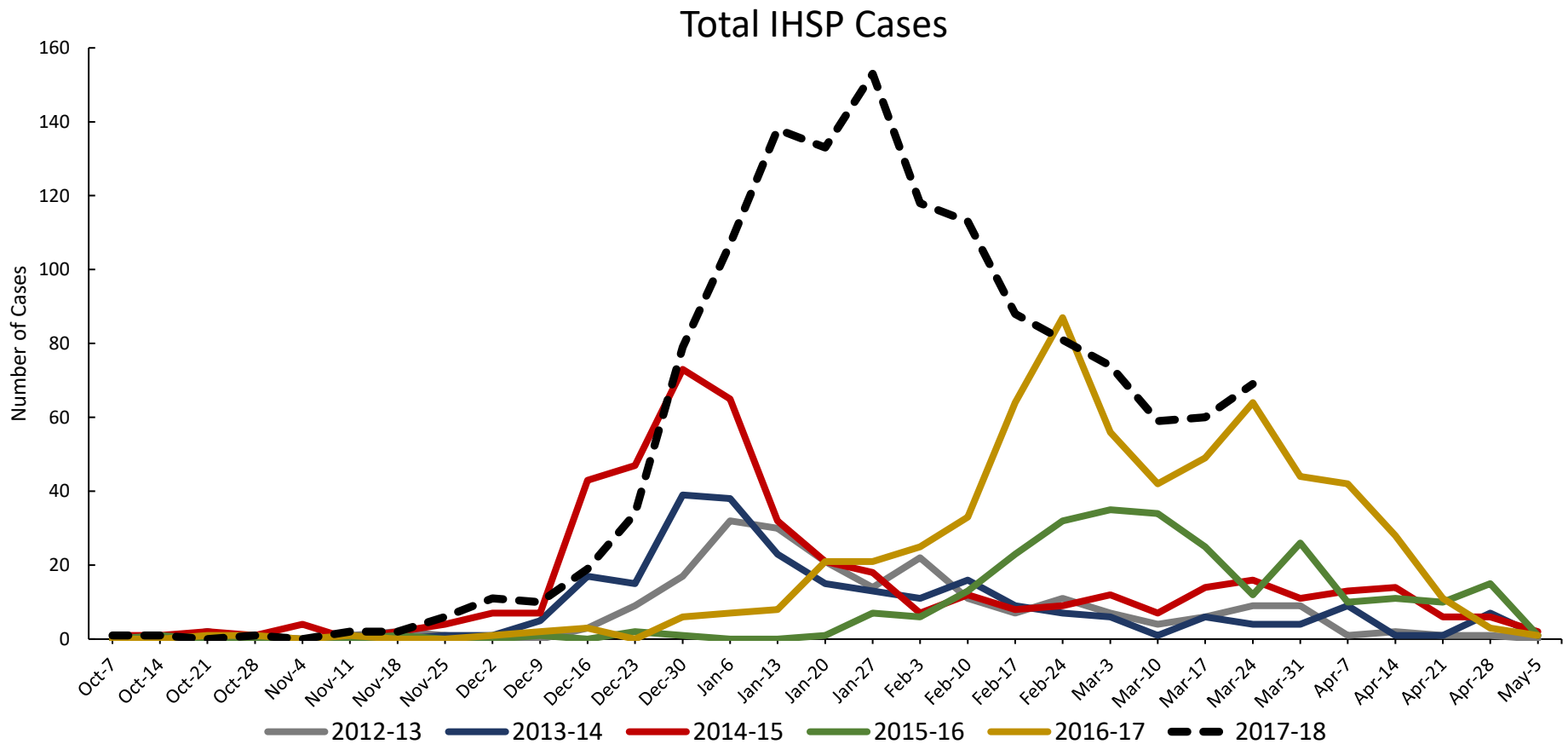
**Become a Sentinel Provider!** Contact: [EckelS1@michigan.gov](mailto:EckelS1@michigan.gov)

## National Surveillance

In the United States, 2.5% 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 **1,359 (127 pediatric, 1,232 adult)** influenza-related hospitalizations reported in the catchment area for the 2017-2018 season.

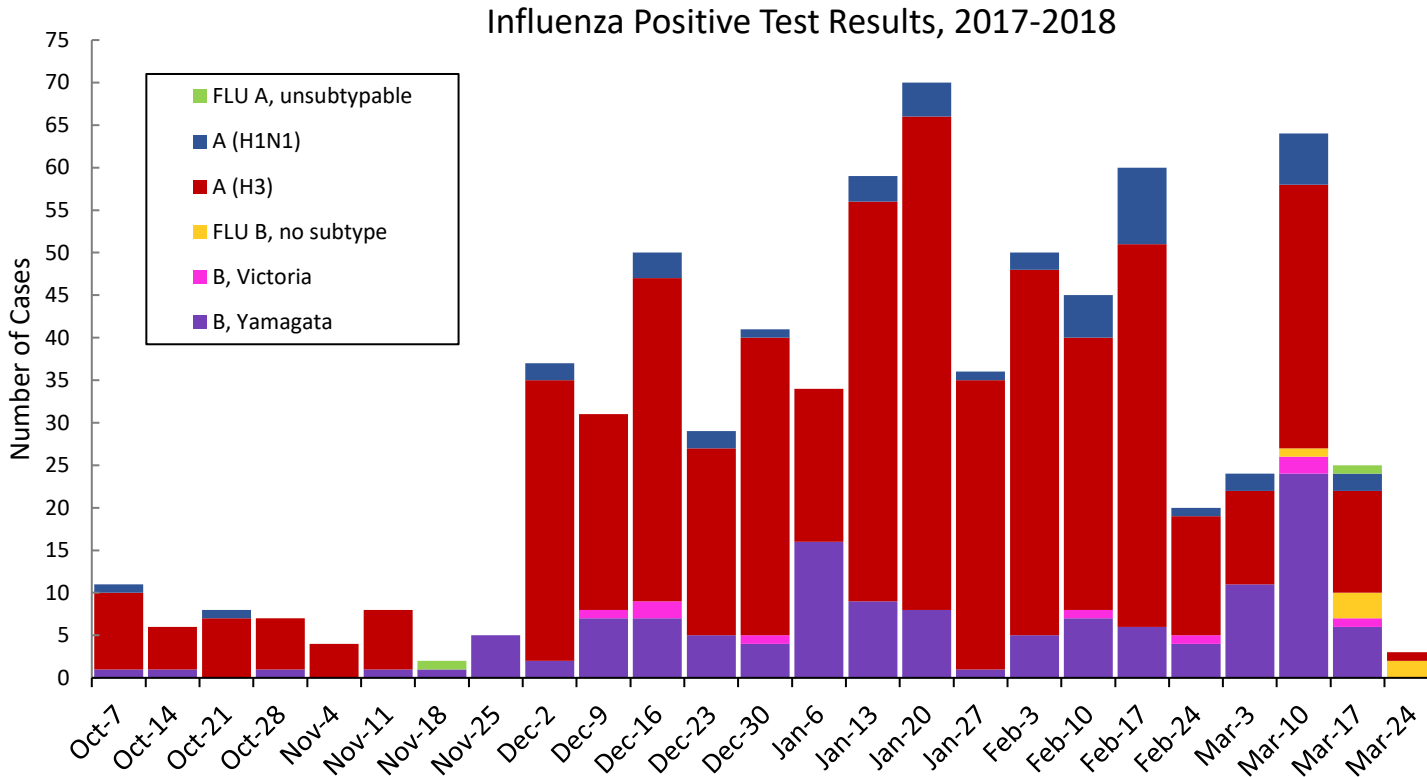


Genesee County was added in 2012-2013

Washtenaw County was added in 2017-2018

MDHHS Bureau of Laboratories reported 12 new positive influenza (2C, 3N, 1SE, 6SW).

Respiratory Virus	# Positive Respiratory Virus Results by Region				Overall Total
	C	N	SE	SW	
2009 A/H1N1pdm	9	4	19	16	<b>48</b>
Influenza A/H3	206	41	100	206	<b>553</b>
Influenza B	37	15	42	61	<b>155</b>
<b>Total</b>	<b>252</b>	<b>60</b>	<b>161</b>	<b>283</b>	<b>756</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

Nine (9) sentinel clinical labs (2SE, 2SW, 5C, 0N) reported during this week.

### SE Region

- Influenza A: elevated; slightly higher than previous week
- Influenza B: elevated; steady or slightly higher than previous week
- Parainfluenza: low
- RSV: modestly elevated; steady or down-trending
- Adenovirus: low
- hMPV: modestly elevated; slightly higher than previous week

### Central Region

- Influenza A: elevated; variable with some increases
- Influenza B: modestly elevated; overall steady
- Parainfluenza: low
- RSV: low or slightly elevated; steady or slightly higher than previous week
- Adenovirus: sporadic
- hMPV: low

### SW Region

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

### North Region

- No data available

There were 2 (0N, 0C, 1SE, 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	87	10	55	61	213	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>59</b>	<b>69</b>	<b>243</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

- [Study in Pregnant Women Hints at Protection from Flu Vaccine](#)
- [Human Infection with a Seasonal Reassortant A \(H1N2\) influenza Virus - Netherlands](#)

## MDHHS Contributors

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