



# Michigan Flu Focus

Weekly Influenza Surveillance Report



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Week Ending October 27, 2018 | WEEK 43

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

### Join the Influenza Sentinel Hospital Network (ISHN)!

**What is it?** ISHN is a group of Michigan hospitals that voluntarily report weekly aggregate counts of flu positive inpatients to assist MDHHS with statewide flu surveillance

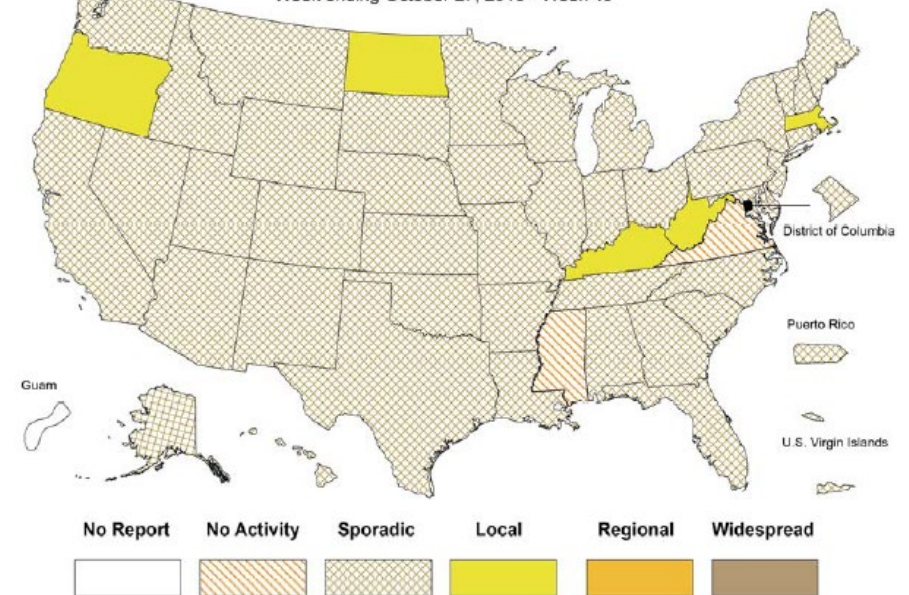
**How it works:** As a participating hospital in the ISHN, you would complete a brief survey every week containing:

- # of hospitalizations with a positive flu test by age group
- The total # of admissions during that time frame (if available)

If your facility is interested in participating or would like more details, please contact Sue Kim ([KimS2@michigan.gov](mailto:KimS2@michigan.gov)) or Seth Eckel ([EckelS1@michigan.gov](mailto:EckelS1@michigan.gov)).

### Weekly Influenza Activity Estimates Reported by State & Territorial Epidemiologists\*

Week ending October 27, 2018 - Week 43



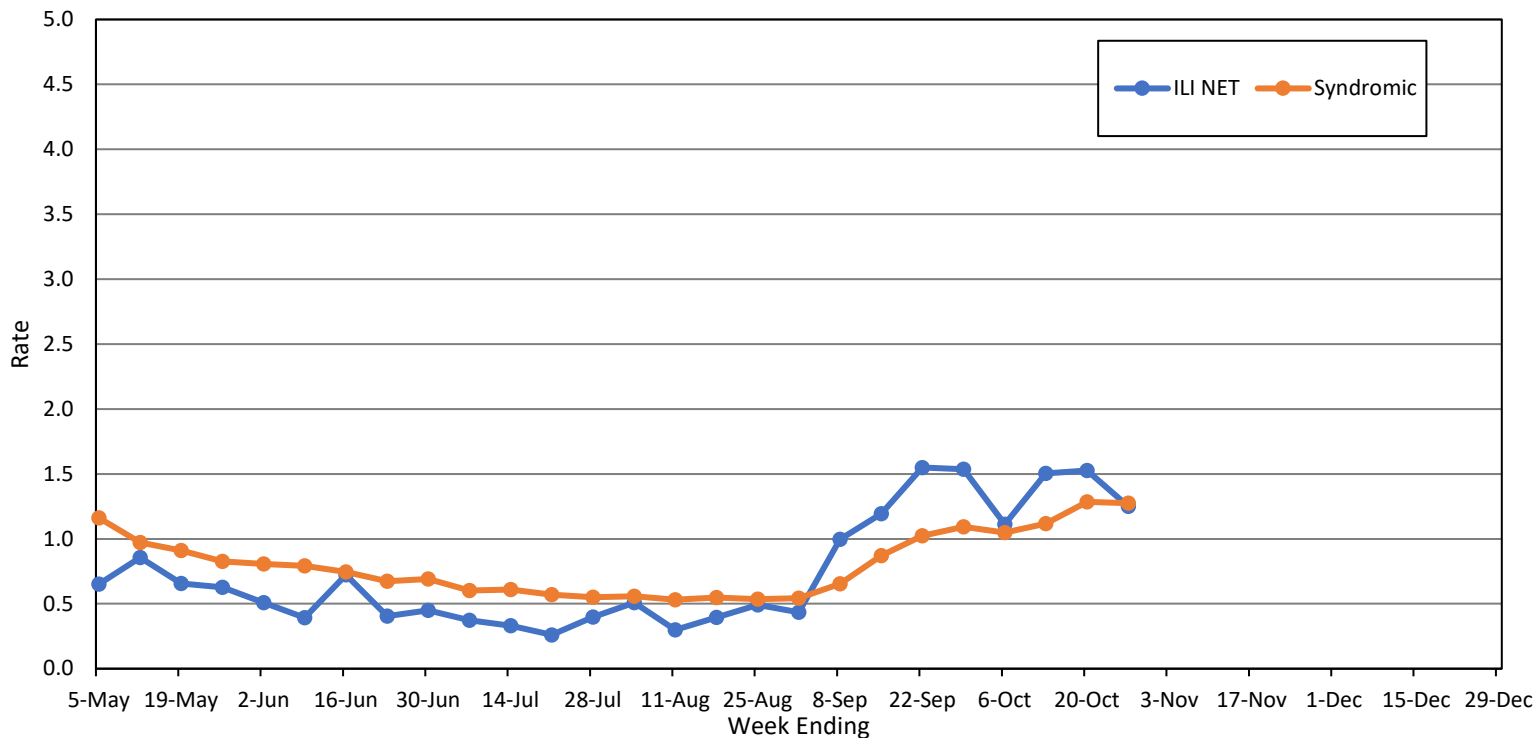
### Influenza-associated Pediatric Mortality

To date, no (0) pediatric influenza deaths have been confirmed by MDHHS for the 2018-2019 flu season. Nationally, two (2) influenza-associated pediatric deaths have been reported thus far for the 2018-2019 flu season.

- Number of reports by region: 32 total [C(9), N(2), SE(15), SW(6)]
- Proportion of visits due to ILI: ↓ 1.2% (regional baseline\*: 1.8%)
- A total of 153 patient visits due to ILI were reported out of 12,242 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.

### MI Statewide ILI NET and Syndromic Surveillance Rates, 2018-2019



## National Surveillance

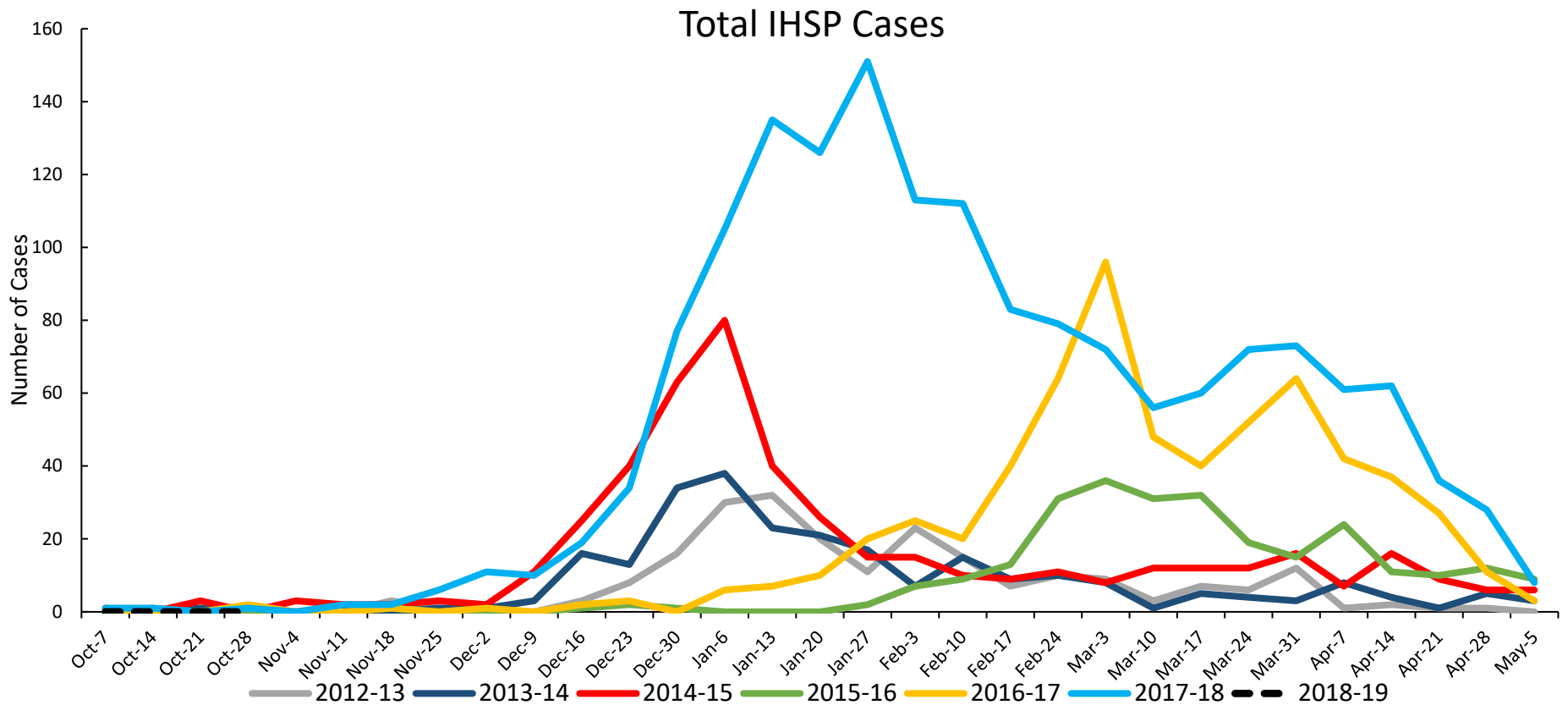
In the United States, 1.7% of outpatient visits were due to influenza-like illness, which is below the national baseline of 2.2%.

**Become a sentinel provider!**

Contact Shelly Doeblen at [DoeblerM@michigan.gov](mailto:DoeblerM@michigan.gov)

## Influenza Hospitalization Surveillance Project

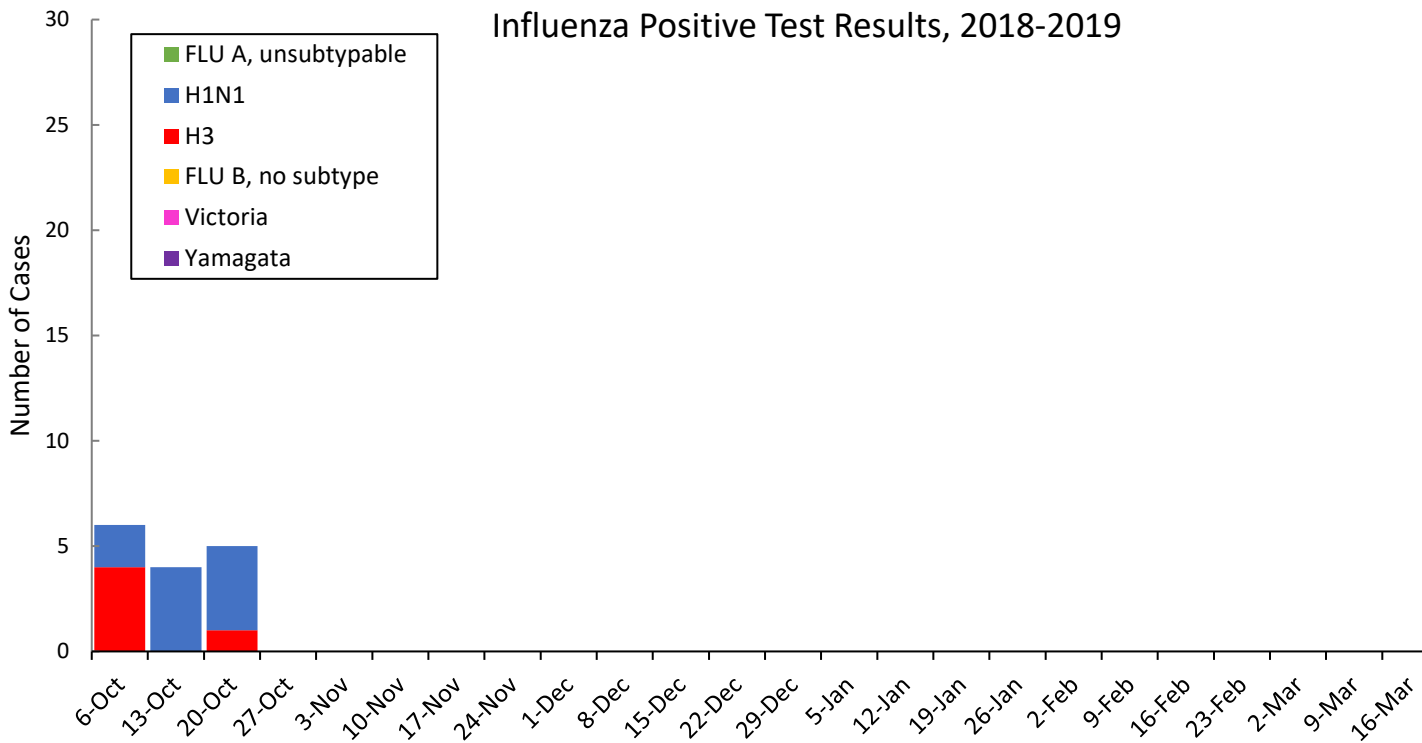
The CDC Influenza Hospitalization Surveillance Project (IHSP) provides population-based rates of hospitalization due to severe influenza-related illness through active surveillance and chart review of lab-confirmed cases from Oct. 1, 2018 until Apr. 30, 2019, for Clinton, Eaton, Ingham, Genesee, and Washtenaw counties. Since Oct. 1, there have been **no (0 pediatric, 0 adult)** influenza-related hospitalizations reported in the catchment area for the 2018-2019 season.



Washtenaw County was added in 2017-2018

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

Respiratory Virus	# Positive Respiratory Virus Results by Region				Overall Total	2017-18 Total
	C	N	SE	SW		
2009 A/H1N1pdm	5	0	6	0	11	80
Influenza A/H3	2	0	0	3	5	579
Influenza B	0	0	0	0	0	220
Total	7	0	6	3	16	879



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:

## Michigan Sentinel Clinical Lab Respiratory Virus Data

Eight (8) sentinel clinical labs (1SE, 1SW, 5C, 1N) reported during this week

### SE Region

- Influenza A: sporadic
- Influenza B: no activity
- Parainfluenza: low; slightly increased
- RSV: low
- Adenovirus: low
- hMPV: no activity

### Central Region

- Influenza A: sporadic
- Influenza B: sporadic
- Parainfluenza: low
- RSV: sporadic/low
- Adenovirus: sporadic/low
- hMPV: no activity

### SW Region

- Influenza A: no activity
- Influenza B: no activity
- Parainfluenza: low
- RSV: no activity
- Adenovirus: sporadic/low
- hMPV: no activity

### North Region

- Influenza A: no activity
- Influenza B: no activity
- Parainfluenza: no data available
- RSV: sporadic
- Adenovirus: no data available
- hMPV: no data available

There was 1 (0N, 1C, 0SE, 0SW) new respiratory viral outbreak reported to MDHHS during this time period. Respiratory outbreaks for the 2018-2019 season are listed in the table below.

Facility Type	C	N	SE	SW	Total	2016-2017 Total	2017-2018 Total
Schools: K-12 & College	1				1	25	14
Long-term Care / Assisted Living Facility						138	238
Healthcare Facility						23	4
Daycare						3	4
Homeless Shelter						1	0
Correctional Facility						2	10
Other						3	0
<b>Total</b>	<b>1</b>				<b>1</b>	<b>195</b>	<b>270</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

- [Vaccine Effectiveness Not Reduced by Prior Vaccination](#)
- [Vaccine Uptake Dropped in 2017-18 Season](#)

## MDHHS Contributors

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

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