



Michigan Flu Focus

Weekly Influenza Surveillance Report



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Week Ending March 16, 2019 | WEEK 11

Michigan Influenza Activity

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

*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

The WHO has recently finalized their recommendations for the influenza A (H3N2) component for the 2019-20 influenza vaccine. Please see the following links on the WHO's *Addendum to the recommended composition of influenza virus vaccines for use in the 2019–2020 northern hemisphere influenza season*.

Links:

https://www.who.int/influenza/vaccines/virus/recommendations/201902_recommendation_addendum.pdf?ua=1

Weekly Influenza Activity Estimates Reported by State & Territorial Epidemiologists*

Week ending March 16, 2019 - Week 11



Source: CDC FluView

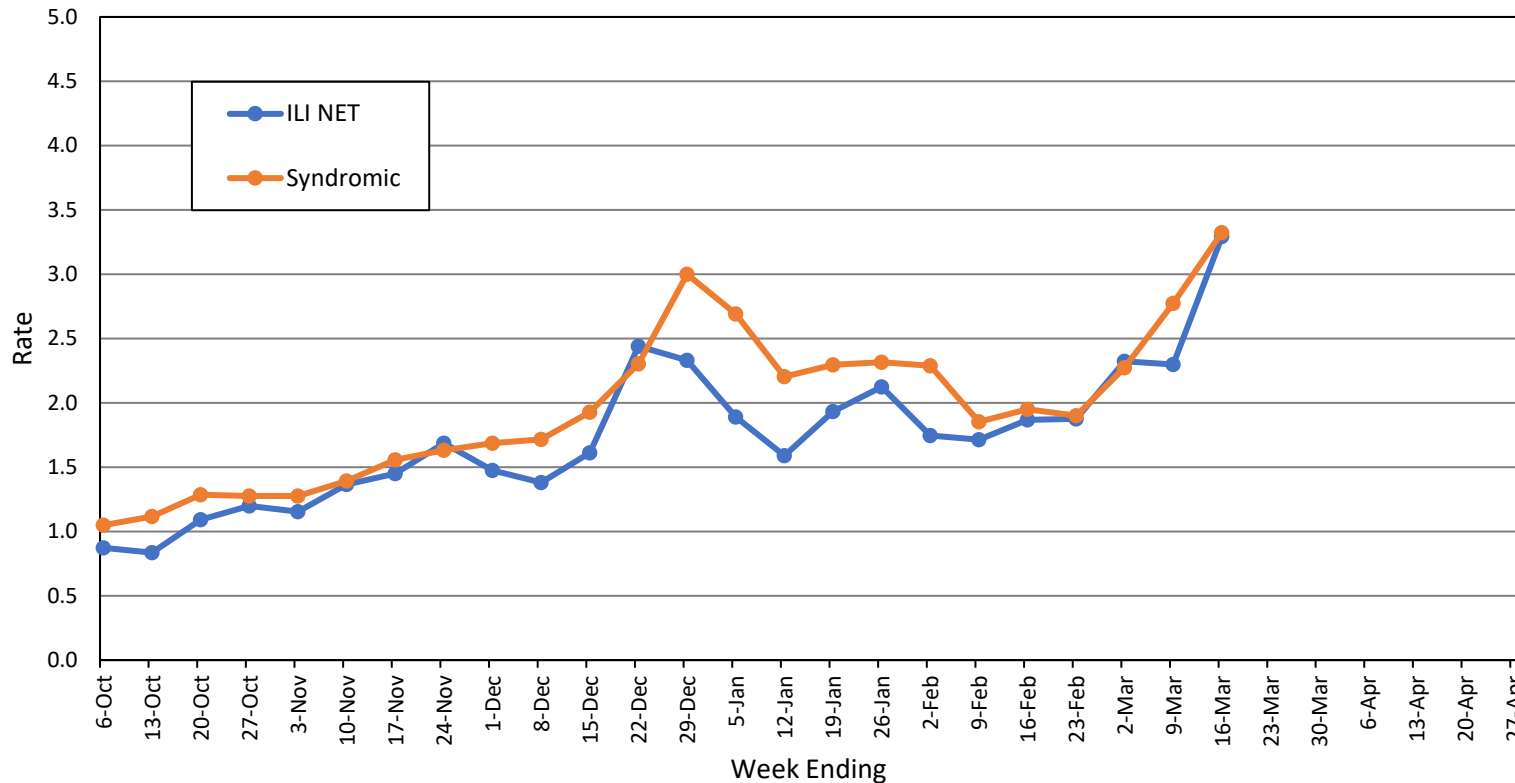
Influenza-associated Pediatric Mortality

One (1) pediatric influenza (A/H1N1-09) death has been confirmed by MDHHS for the 2018-2019 flu season. Nationally, 76 influenza-associated pediatric deaths have been reported thus far for the 2018-2019 flu season.

- Number of reports by region: 32 total [C(8), N(3), SE(14), SW(7)]
- Proportion of visits due to ILI: ↑ 3.3% (regional baseline*: 1.8%)
- A total of 414 patient visits due to ILI were reported out of 12,572 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

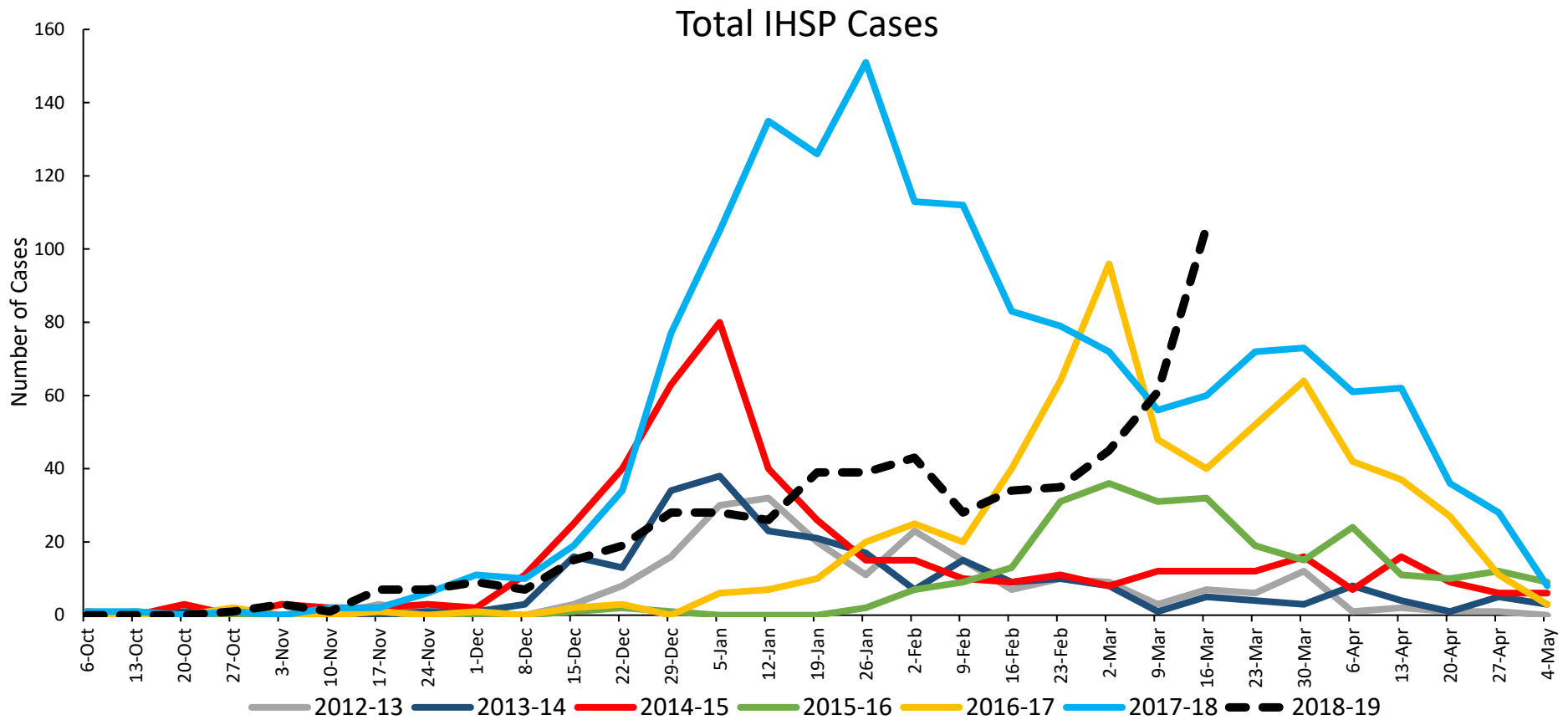
In the United States, 4.4% of outpatient visits were due to influenza-like illness (ILI), which is above the national baseline of 2.2%.

Become a sentinel provider!

Contact Shelly Doeblen at DoeblerM@michigan.gov

Influenza Hospitalization Surveillance Project

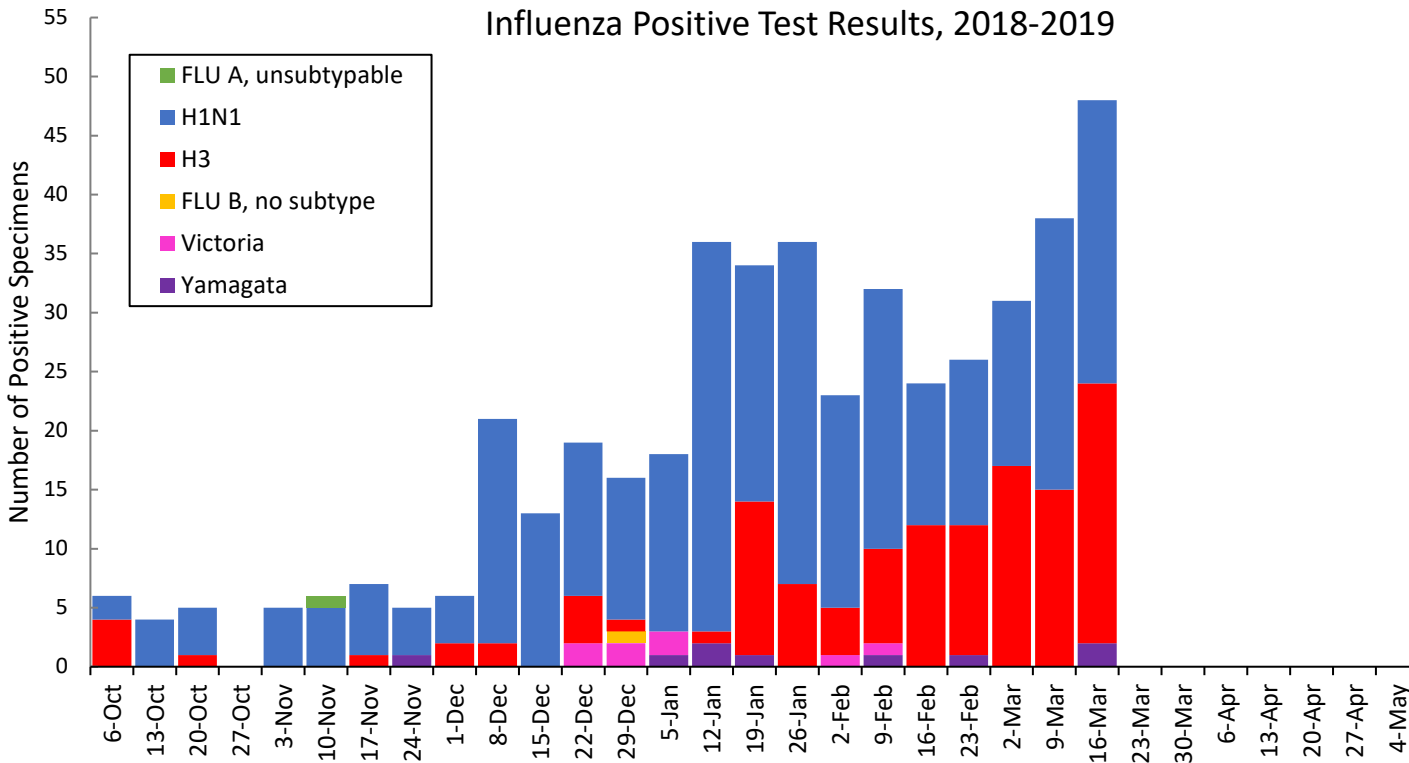
The CDC Influenza Hospitalization Surveillance Project (IHSP) provides population-based rates of hospitalization due to severe influenza-related illness through active surveillance and chart review of lab-confirmed cases from Oct. 1, 2018 until Apr. 30, 2019, for Clinton, Eaton, Ingham, Genesee, and Washtenaw counties. Since Oct. 1, there have been **581 (87 pediatric, 494 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 44 new positive influenza results (24C, 4N, 4SE, 12SW)

Respiratory Virus	# Positive Respiratory Virus Results by Region				Overall Total	2017-18 Total
	C	N	SE	SW		
2009 A/H1N1pdm	141	22	49	97	309	80
Influenza A/H3	56	12	10	47	125	579
Influenza B	2	4	10	2	18	220
Total	199	38	69	146	452	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: **March 21, 2019**

Michigan Sentinel Clinical Lab Respiratory Virus Data

Eleven (11) sentinel clinical labs (2SE, 1SW, 7C, 1N) reported during this week

SE Region

- Influenza A: moderate-high; increasing
- Influenza B: elevated; some increases
- Parainfluenza: low
- RSV: slightly elevated; downward trend
- Adenovirus: slightly elevated
- hMPV: slightly elevated

Central Region

- Influenza A: moderate; increasing
- Influenza B: low-slightly elevated;
- Parainfluenza: low
- RSV: low; some decreases
- Adenovirus: low
- hMPV: low-slightly elevated

SW Region

- Influenza A: moderate; increasing
- Influenza B: sporadic-low
- Parainfluenza: low
- RSV: moderate; slight increase
- Adenovirus: low
- hMPV: slightly elevated

North Region

- Influenza A: slightly elevated
- Influenza B: elevated; increasing
- Parainfluenza: no data available
- RSV: low
- Adenovirus: no data available
- hMPV: no data available

There were three (0N, 1C, 2SE, 0SW) new respiratory viral outbreaks 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	3	2	2	1	8	25	14
Long-term Care / Assisted Living Facility	9	2	10	8	29	138	238
Healthcare Facility	1	0	0	0	1	23	4
Daycare	0	0	0	0	0	3	4
Homeless Shelter	0	0	1	0	1	1	0
Correctional Facility	1	3	0	0	4	2	10
Other	0	0	0	0	0	3	0
Total	14	7	13	9	43	195	270

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

- [CHOP: Vaccine Decision Making Among Families](#)
- [WHO Recommendation Made for H3N2 Virus Vaccine Strain](#)
- [AAP: No Flu Vaccine Preference for 2019-20 Flu Season](#)
- [Getting a Flu Shot May Reduce Risk of Heart Attack](#)
- [Flu Activity Surveillance Update](#)

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