



Michigan Flu Focus

Weekly Influenza Surveillance Report



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Week Ending February 9, 2019 | WEEK 6

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

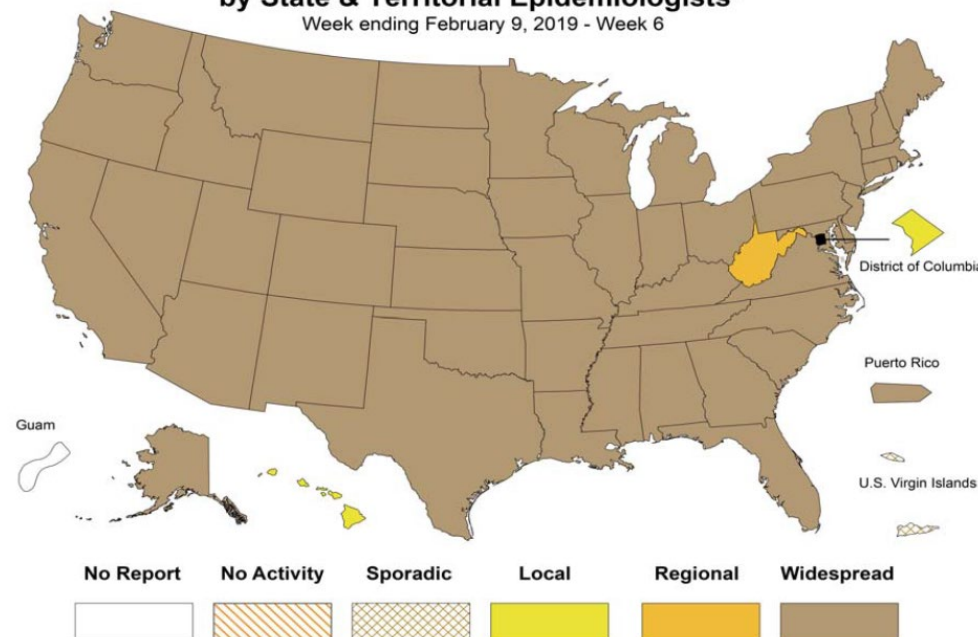
Updates of Interest

The CDC has recently updated the Preliminary Burden Estimates for the 2018-2019 U.S. Flu Season. Please see following link for weekly preliminary estimates of the cumulative in-season numbers of flu illnesses, medical visits and hospitalizations in the United States. Link:

<https://www.cdc.gov/flu/about/burden/preliminary-in-season-estimates.htm>

Weekly Influenza Activity Estimates Reported by State & Territorial Epidemiologists*

Week ending February 9, 2019 - Week 6



Source: CDC FluView

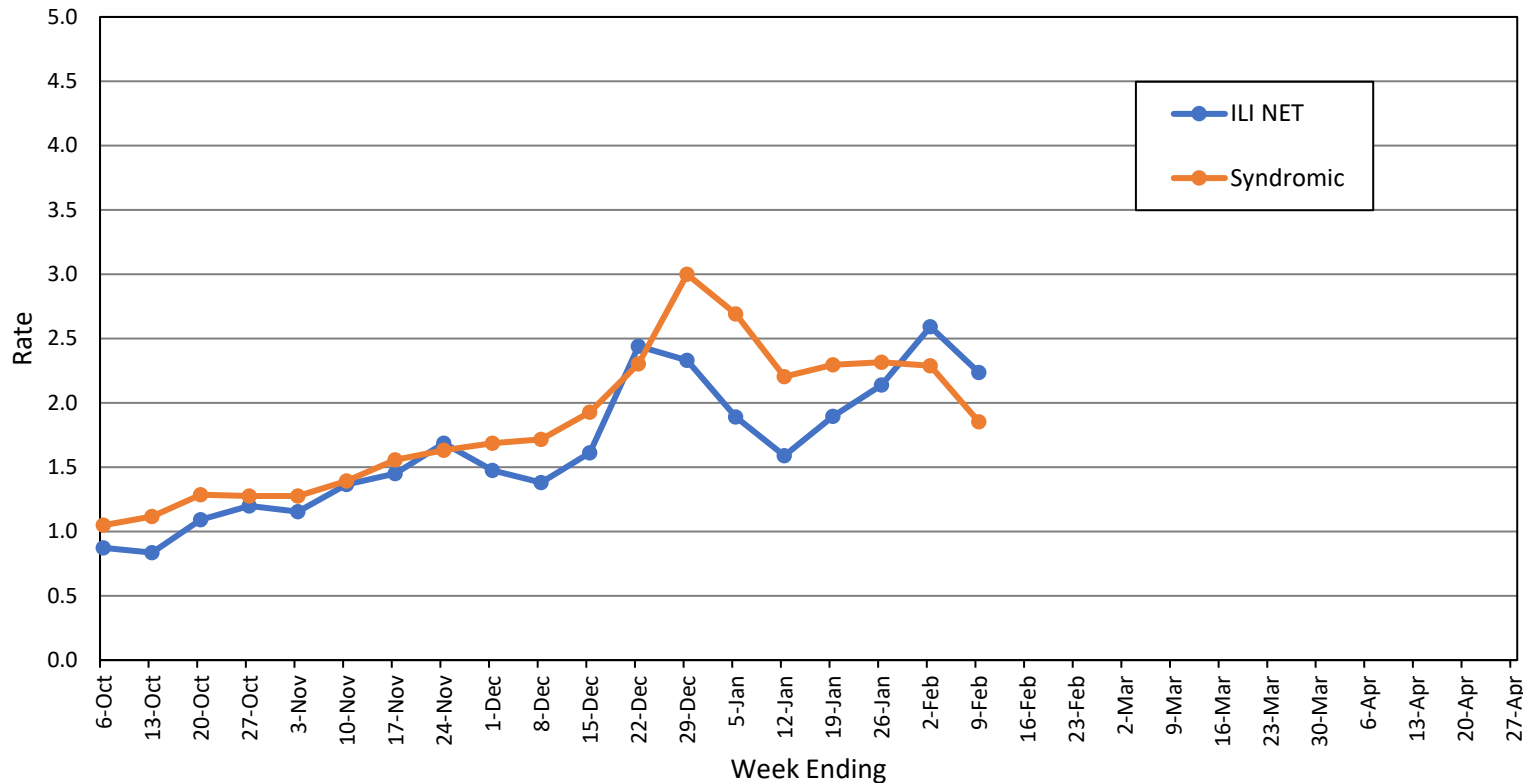
Influenza-associated Pediatric Mortality

One (1) pediatric influenza (A/H1N1-09) death has been confirmed by MDHHS for the 2018-2019 flu season. Nationally, 34 influenza-associated pediatric deaths have been reported thus far for the 2018-2019 flu season.

- Number of reports by region: 35 total [C(10), N(3), SE(15), SW(7)]
- Proportion of visits due to ILI: ↓ 2.2% (regional baseline*: 1.8%)
- A total of 246 patient visits due to ILI were reported out of 10,996 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

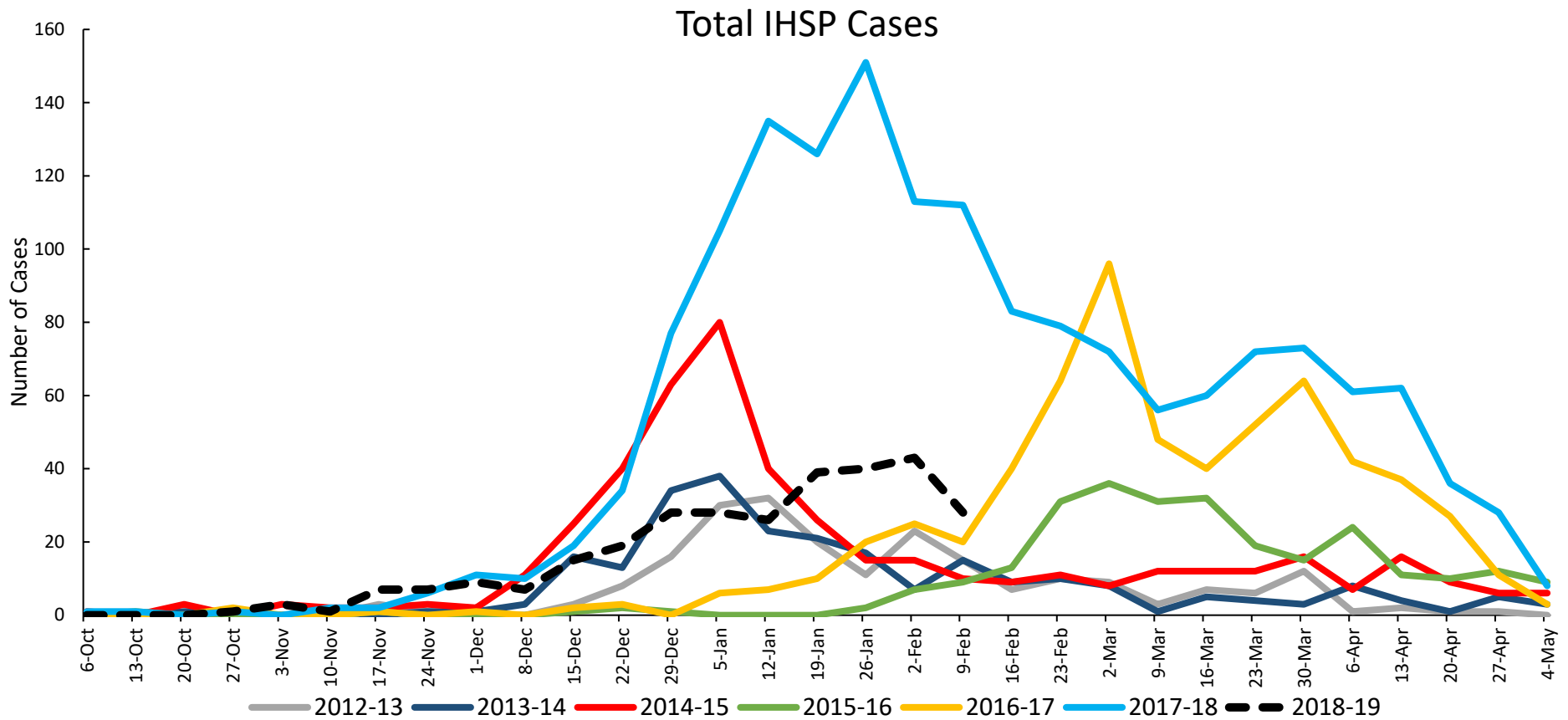
In the United States, 4.8% of outpatient visits were due to influenza-like illness (ILI), which is above the national baseline of 2.2%.

Become a sentinel provider!

Contact Shelly Doeblar at DoeblerM@michigan.gov

Influenza Hospitalization Surveillance Project

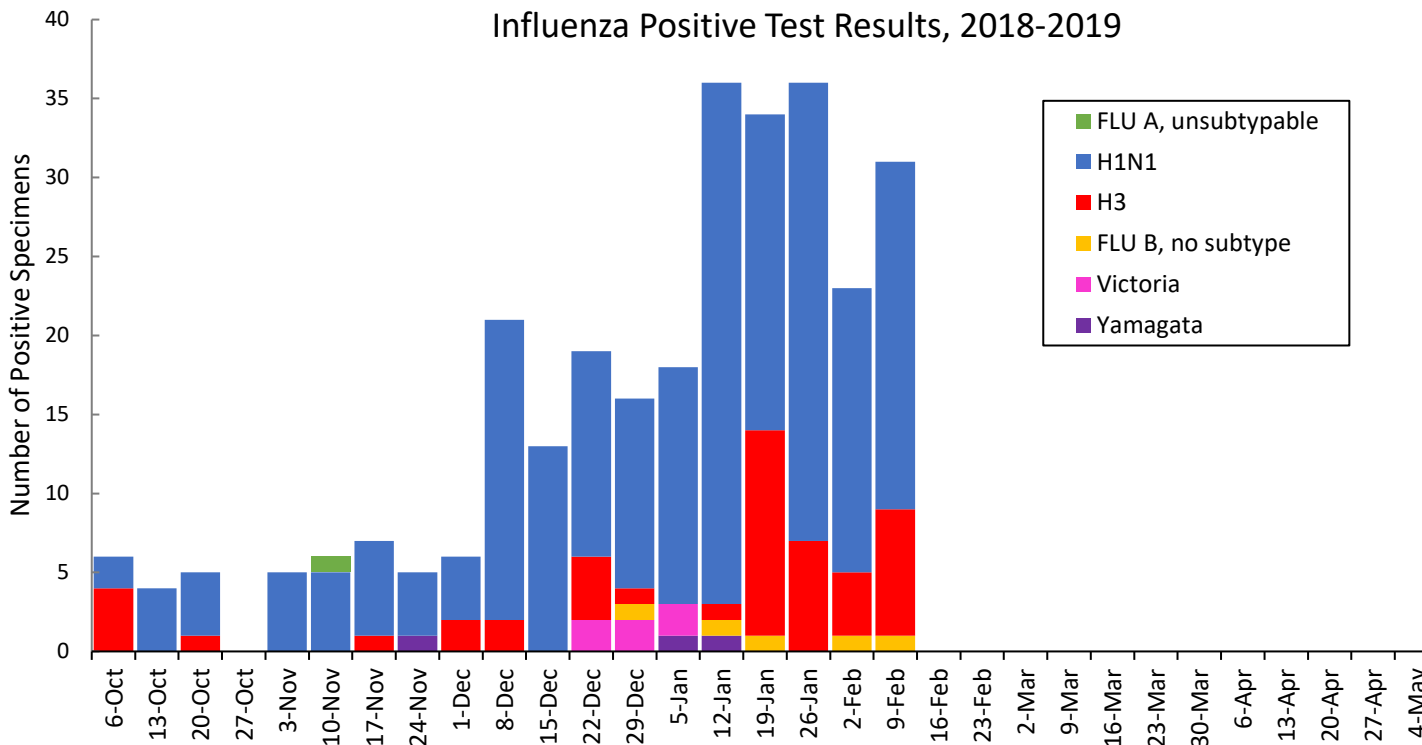
The CDC Influenza Hospitalization Surveillance Project (IHSP) provides population-based rates of hospitalization due to severe influenza-related illness through active surveillance and chart review of lab-confirmed cases from Oct. 1, 2018 until Apr. 30, 2019, for Clinton, Eaton, Ingham, Genesee, and Washtenaw counties. Since Oct. 1, there have been **301 (48 pediatric, 253 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 39 new positive influenza results (23C, 1N, 3SE, 12SW)

Respiratory Virus	# Positive Respiratory Virus Results by Region				Overall Total	2017-18 Total
	C	N	SE	SW		
2009 A/H1N1pdm	100	15	34	76	225	80
Influenza A/H3	29	3	5	9	46	579
Influenza B	2	0	10	1	13	220
Total	131	18	49	86	284	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: **January 11, 2019**

Michigan Sentinel Clinical Lab Respiratory Virus Data

Eleven (11) sentinel clinical labs (3SE, 1SW, 6C, 1N) reported during this week

SE Region

- Influenza A: moderate; some decreases
- Influenza B: low
- Parainfluenza: low
- RSV: moderate; some decreases
- Adenovirus: low
- hMPV: low-moderate; steady

Central Region

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

SW Region

- Influenza A: moderate; steady
- Influenza B: no activity
- Parainfluenza: sporadic
- RSV: moderate; slight decrease
- Adenovirus: low
- hMPV: low; slight increase

North Region

- Influenza A: increased
- Influenza B: low
- Parainfluenza: no data available
- RSV: low
- Adenovirus: no data available
- hMPV: no data available

There were four (1N, 0C, 1SE, 2SW) 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	2	1	0	1	4	25	14
Long-term Care / Assisted Living Facility	5	2	4	4	15	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	0	1	0	0	1	2	10
Other	0	0	0	0	0	3	0
Total	8	4	5	5s	22	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

- [Flu Activity Highest So Far This Season](#)
- [Approximately 8,000 Flu Deaths Prevented Last Year with Influenza Vaccine](#)
- [Educating and Partnering with Parents Who Don't Want to Vaccinate](#)
- [2018-19 Flu Season: Preliminary Burden Estimates](#)

MDHHS Contributors

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