



Michigan Flu Focus

Weekly Influenza Surveillance Report



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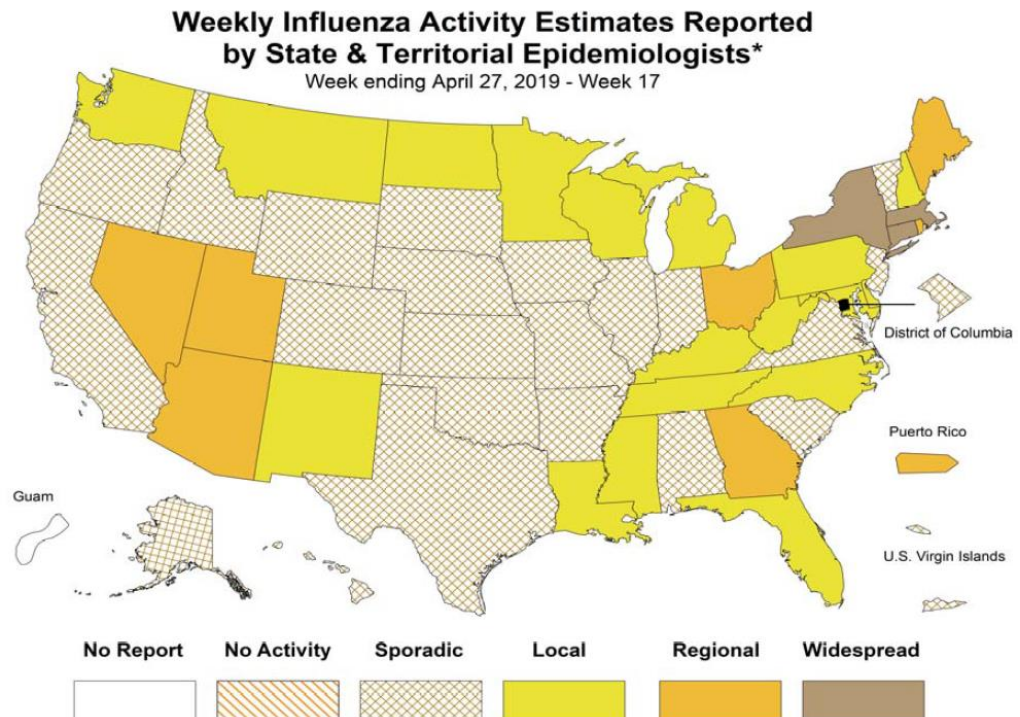
May 3, 2019

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Week Ending April 27, 2019 | WEEK 17

Michigan Influenza Activity
No Activity
Sporadic
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



Source: CDC FluView

Updates of Interest

The Michigan flu code has officially been decreased from 'Regional' to 'Local' activity for Week 17 due to overall lowered activity.

See Michigan Influenza Activity (above), for an overview of flu activity definitions.

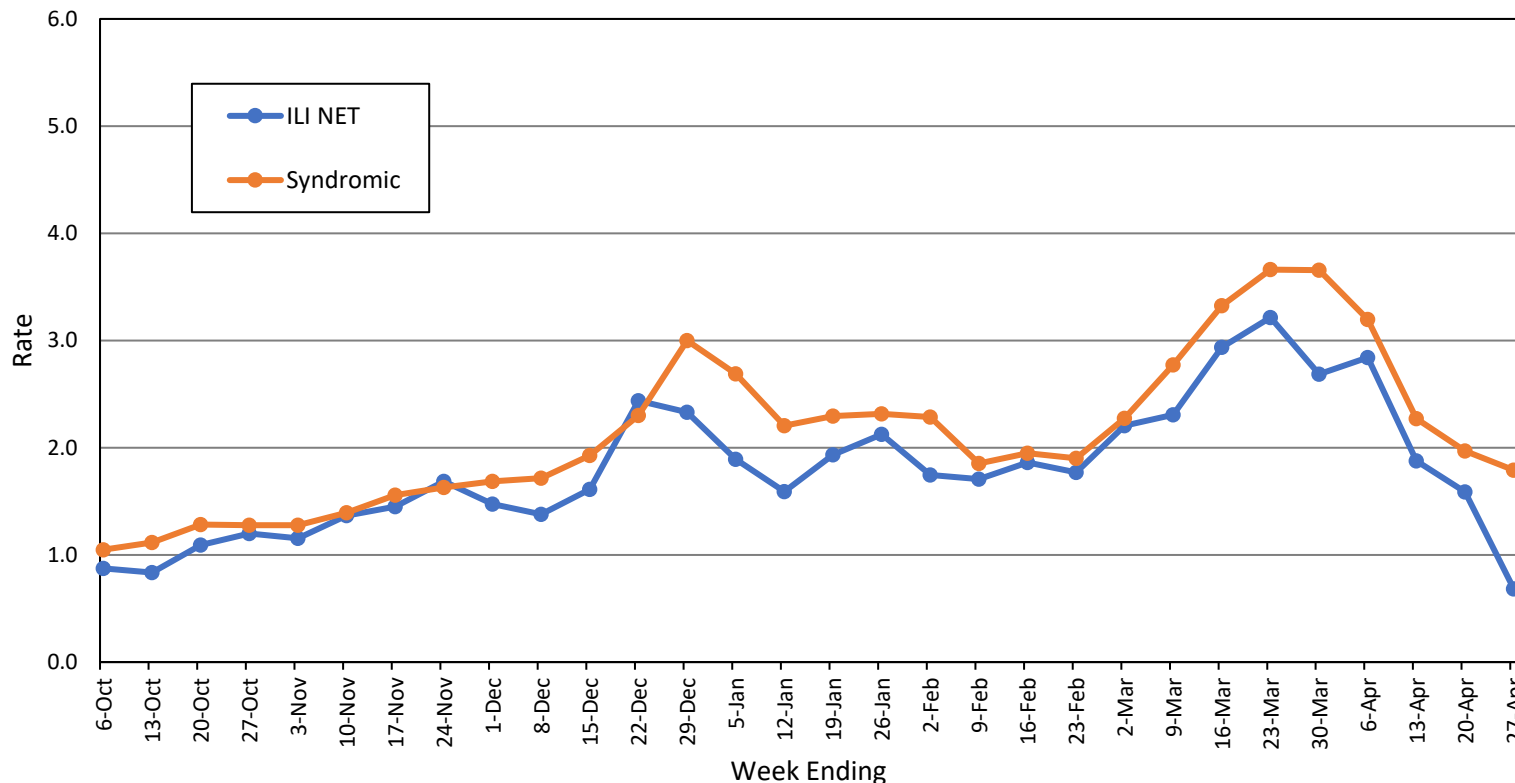
Influenza-associated Pediatric Mortality

One (1) pediatric influenza (A/H1N1-09) death has been confirmed by MDHHS for the 2018-2019 flu season. Nationally, 101 influenza-associated pediatric deaths have been reported thus far for the 2018-2019 flu

- Number of reports by region: 25 total [C(9), N(2), SE(10), SW(4)]
- Proportion of visits due to ILI: ↓ 0.7% (regional baseline*: 1.8%)
- A total of 60 patient visits due to ILI were reported out of 8,771 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

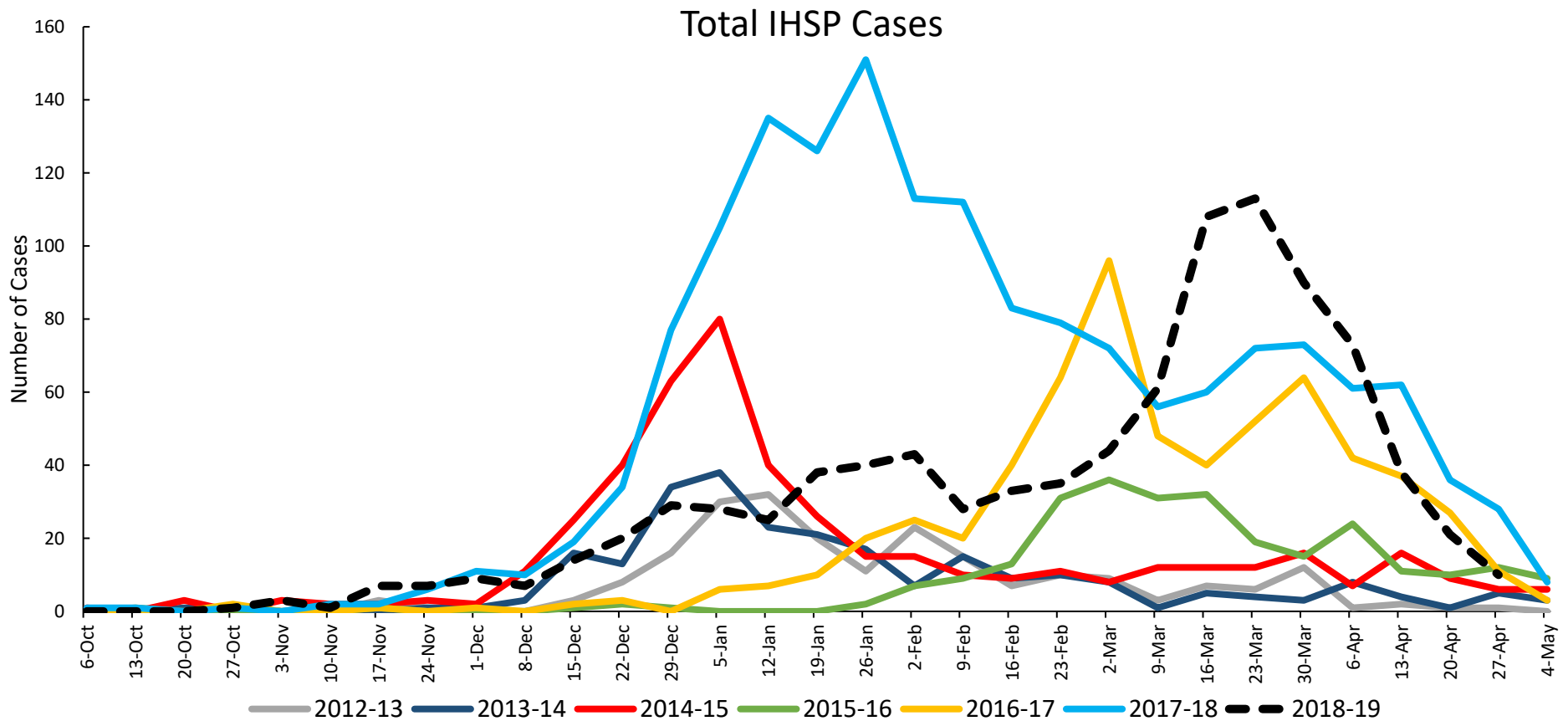
In the United States, 1.8% of outpatient visits were due to influenza-like illness (ILI), which is below the national baseline of 2.2%.

Become a sentinel provider!

Contact Shelly Doeblner at DoeblerM@michigan.gov

Influenza Hospitalization Surveillance Project

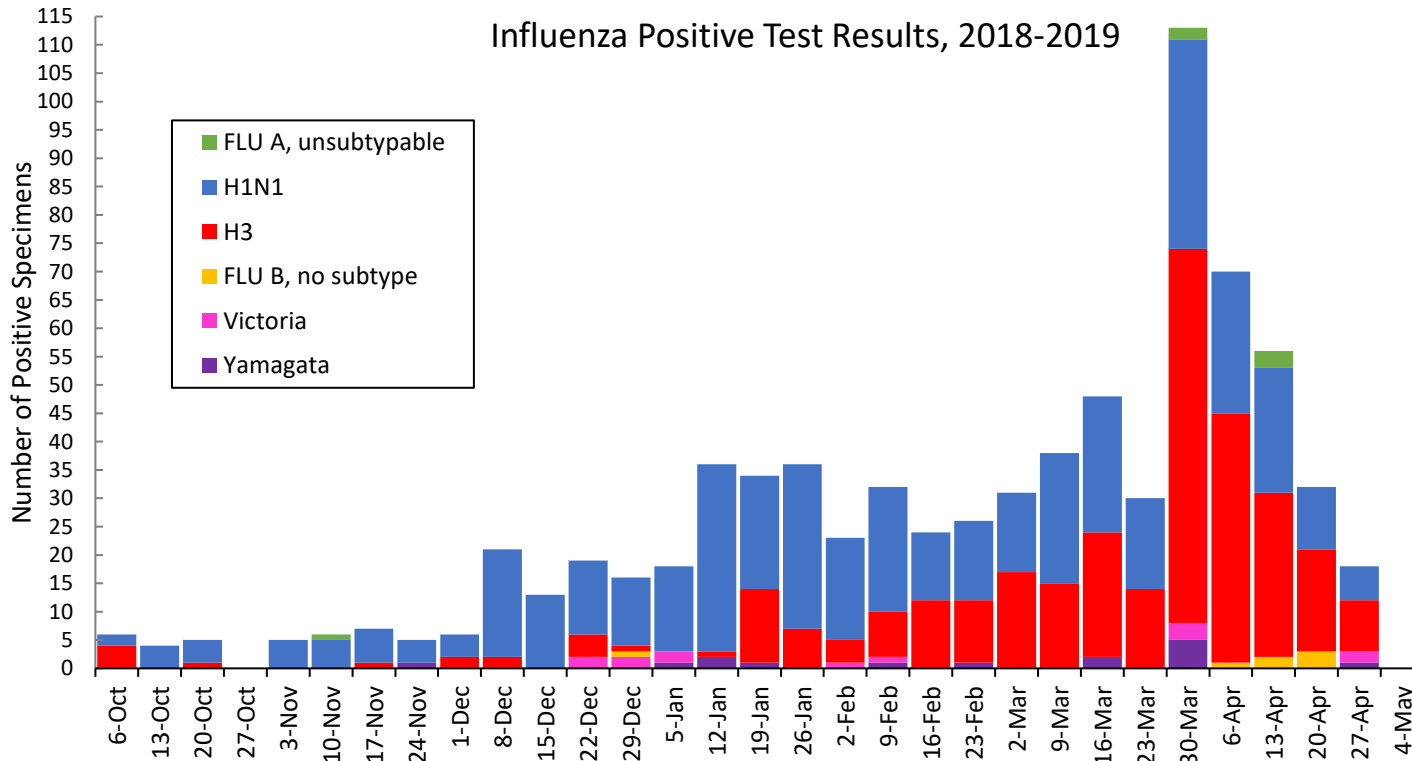
The CDC Influenza Hospitalization Surveillance Project (IHSP) provides population-based rates of hospitalization due to severe influenza-related illness through active surveillance and chart review of lab-confirmed cases from Oct. 1, 2018 until Apr. 30, 2019, for Clinton, Eaton, Ingham, Genesee, and Washtenaw counties. Since Oct. 1, there have been **926 (119 pediatric, 807 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 31 new positive influenza results (9C, 0N, 10SE, 12SW)

Respiratory Virus	# Positive Respiratory Virus Results by Region				Overall Total	2017-18 Total
	C	N	SE	SW		
2009 A/H1N1pdm	205	23	57	149	434	80
Influenza A/H3	152	12	25	117	306	579
Influenza B	2	11	11	10	34	220
Total	359	46	93	276	774	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: **May 2, 2019**

Michigan Sentinel Clinical Lab Respiratory Virus Data

Eight (8) sentinel clinical labs (2SE, 0SW, 5C, 1N) reported during this week

SE Region

- Influenza A: low-moderate; decreasing
- Influenza B: low-moderate; decreasing
- Parainfluenza: slightly elevated
- RSV: sporadic-low
- Adenovirus: low
- hMPV: slightly elevated

Central Region

- Influenza A: low; decreasing
- Influenza B: low-slightly elevated
- Parainfluenza: low
- RSV: low
- Adenovirus: sporadic
- hMPV: low

SW Region

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

North Region

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

There were 3 new respiratory viral outbreaks (1C, 1N, 1SE, 0SW) 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	3	1	9	25	14
Long-term Care / Assisted Living Facility	18	4	21	13	56	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	2	5	0	1	8	2	10
Other	0	0	0	0	0	3	0
Total	24	11	25	15	75	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

- [Influenza Surveillance in the United States](#)
- [NIH Begins First Human Trials of Potential Universal Flu Vaccine](#)
- [10 Years After the H1N1 Flu Pandemic](#)
- [Increasing Influenza Vaccination in Health Care Workers](#)
- [Flu Vaccine Tied to Lower Mortality in Heart Failure Patients](#)
- [National Flu Activity Surveillance Update](#)

MDHHS Contributors

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