



Michigan Flu Focus

Weekly Influenza Surveillance Report



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Week Ending January 5, 2019 | WEEK 1

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

*Clicking on the current activity level will direct you to the CDC webpage defining each activity level for the geographic spread of influenza

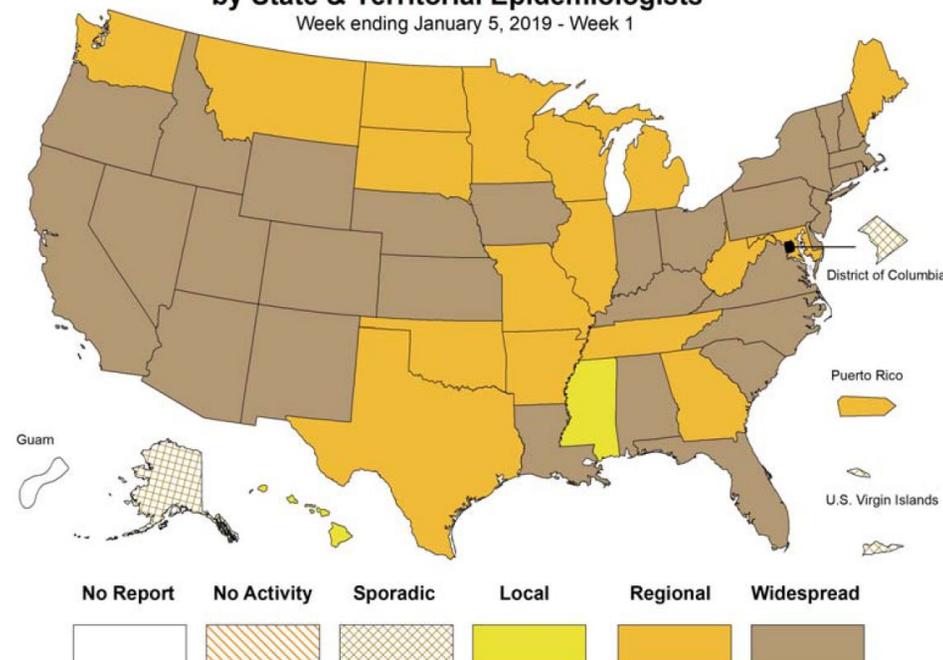
Updates of Interest

The Michigan Department of Health & Human Services Bureau of Laboratories (MDHHS BOL) has recently updated their virology/microbiology test requisition form (**DCH-0583**) to collect patient status information. This is located below where you select influenza (PCR/culture) testing. Please update to the newest version (see link below) and include patient status at the time of specimen collection (inpatient, outpatient, or unknown) if available. Please contact MDHHS for any questions at 517-335-8165.

Link: https://www.michigan.gov/documents/DCH-0583TEST_REQUEST_7587_7.pdf

Weekly Influenza Activity Estimates Reported by State & Territorial Epidemiologists*

Week ending January 5, 2019 - Week 1



Source: CDC FluView

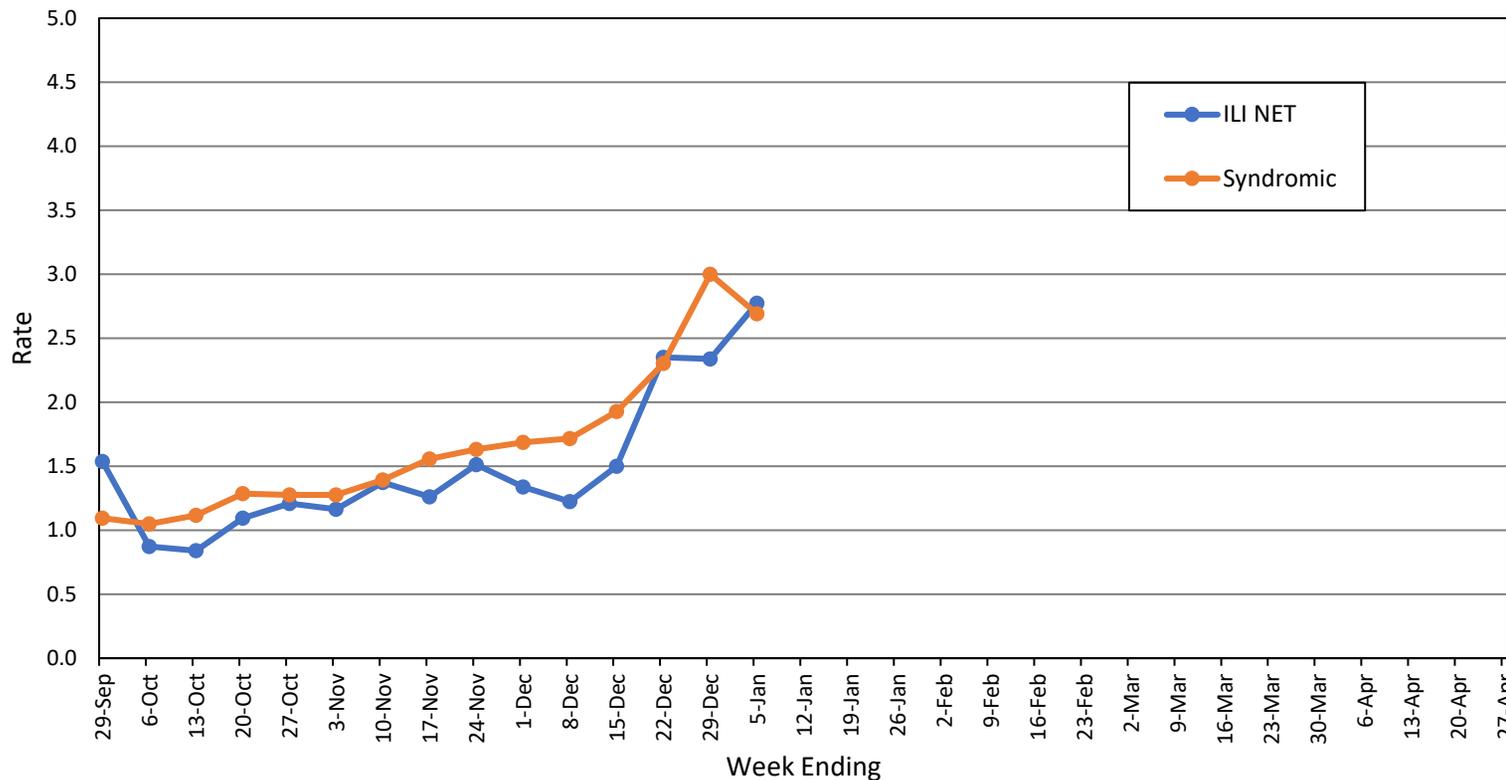
Influenza-associated Pediatric Mortality

One (1) pediatric influenza (A/H1N1-09) death has been confirmed by MDHHS for the 2018-2019 flu season. Nationally, 16 influenza-associated pediatric deaths have been reported thus far for the 2018-2019 flu season.

- Number of reports by region: 32 total [C(10), N(2), SE(15), SW(5)]
- Proportion of visits due to ILI: **↑ 2.8%** (regional baseline*: 1.8%)
- A total of 231 patient visits due to ILI were reported out of 8,329 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

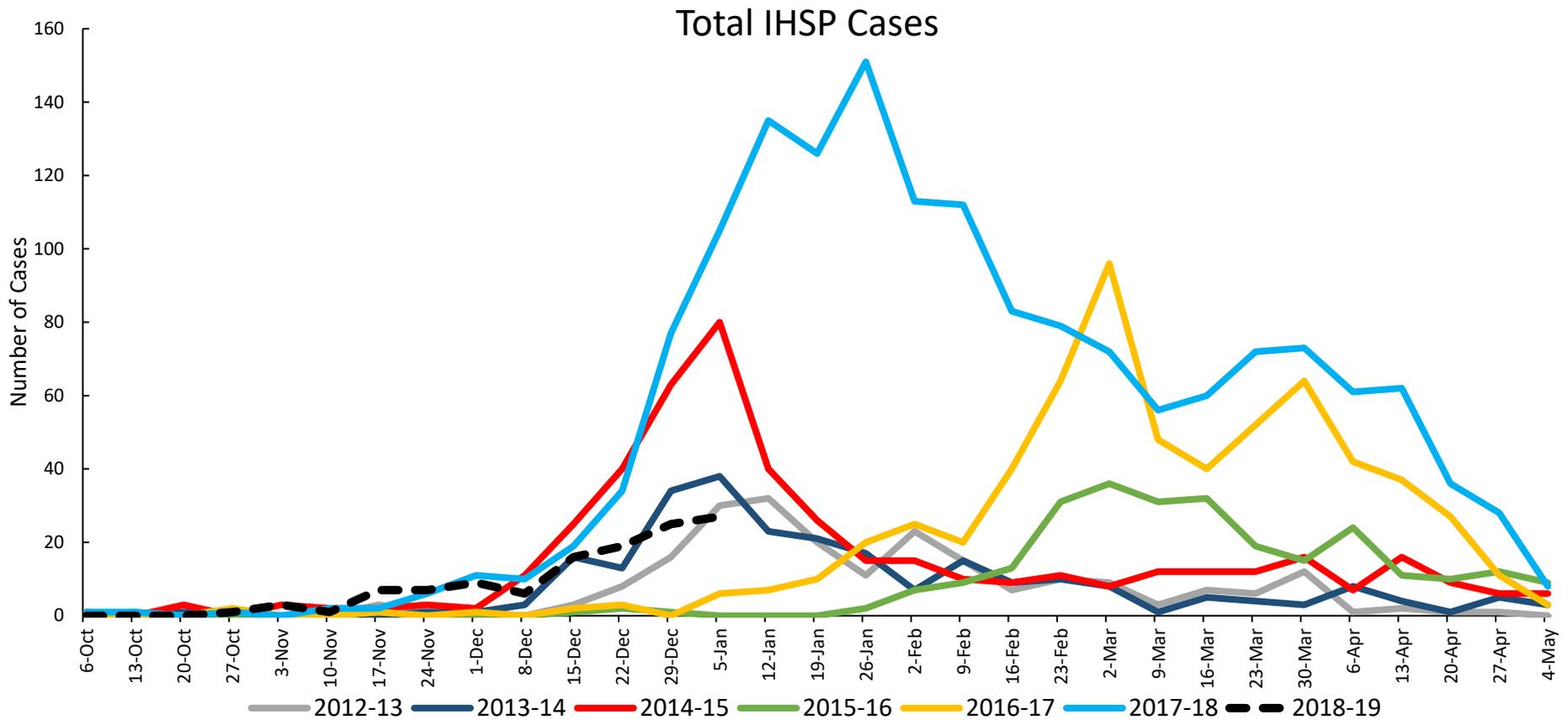
In the United States, 3.5% of outpatient visits were due to influenza-like illness (ILI), which is above the national baseline of 2.2%.

Become a sentinel provider!

Contact Shelly Doeblner at DoeblerM@michigan.gov

Influenza Hospitalization Surveillance Project

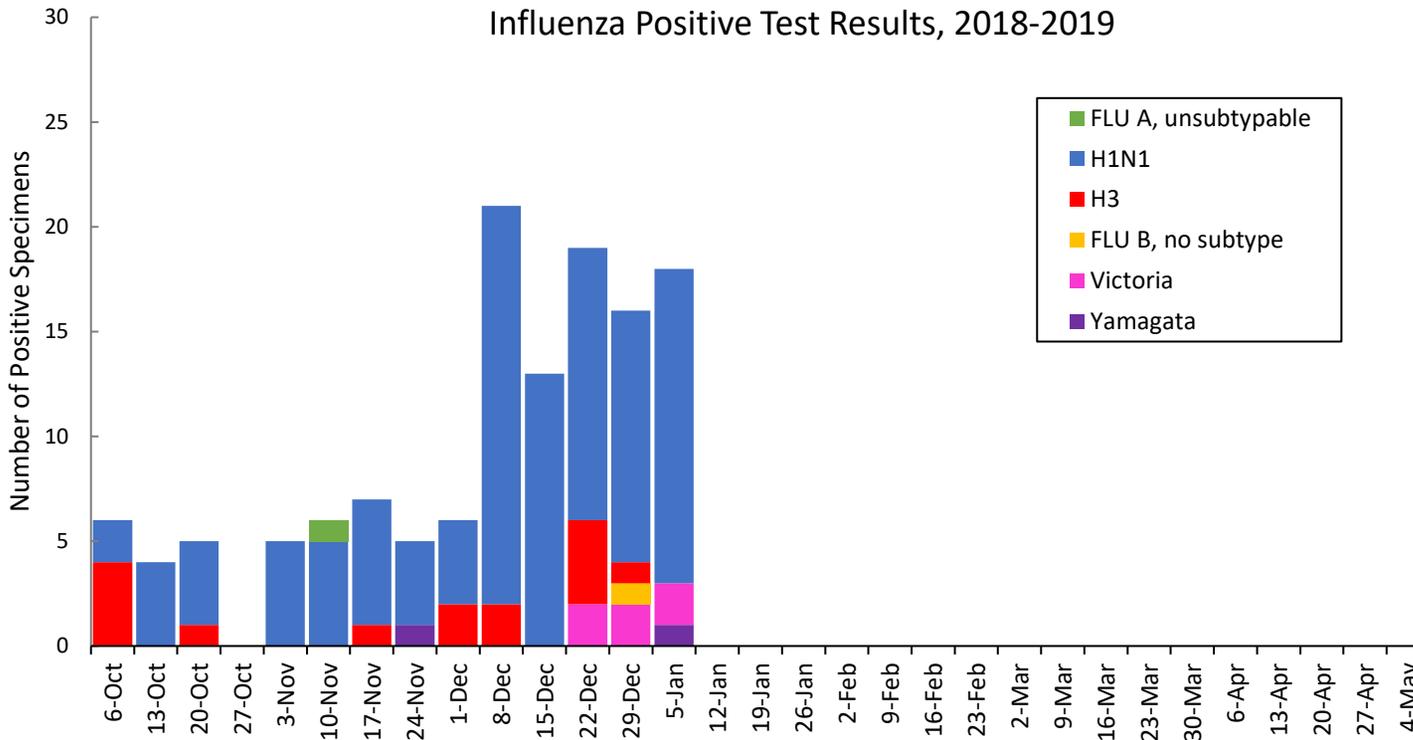
The CDC Influenza Hospitalization Surveillance Project (IHSP) provides population-based rates of hospitalization due to severe influenza-related illness through active surveillance and chart review of lab-confirmed cases from Oct. 1, 2018 until Apr. 30, 2019, for Clinton, Eaton, Ingham, Genesee, and Washtenaw counties. Since Oct. 1, there have been **121 (18 pediatric, 103 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 7 new positive influenza results (2C, 1N, 2SE, 2SW).

Respiratory Virus	# Positive Respiratory Virus Results by Region				Overall Total	2017-18 Total
	C	N	SE	SW		
2009 A/H1N1pdm	42	8	22	24	96	80
Influenza A/H3	5	3	2	5	15	579
Influenza B	0	0	6	1	7	220
Total	47	11	30	30	118	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 10, 2019**

Michigan Sentinel Clinical Lab Respiratory Virus Data

Thirteen (13) sentinel clinical labs (3SE, 2SW, 7C, 1N) reported during this week

SE Region

- Influenza A: moderate; some increases
- Influenza B: low
- Parainfluenza: low-moderate
- RSV: moderate-high; variable
- Adenovirus: low or slightly decreased
- hMPV: low or slightly increased

Central Region

- Influenza A: some increases
- Influenza B: no activity
- Parainfluenza: low
- RSV: low or some increases
- Adenovirus: low
- hMPV: low

SW Region

- Influenza A: moderate
- Influenza B: no activity
- Parainfluenza: low or slightly increased
- RSV: moderate; increasing
- Adenovirus: low
- hMPV: low

North Region

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

There were no (ON, OC, OSE, OSW) 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	1	0	0	0	1	25	14
Long-term Care / Assisted Living Facility	2	1	1	0	4	138	238
Healthcare Facility	0	0	0	0	0	23	4
Daycare	0	0	0	0	0	3	4
Homeless Shelter	0	0	0	0	0	1	0
Correctional Facility	0	0	0	0	0	2	10
Other	0	0	0	0	0	3	0
Total	3	1	1	0	5	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

- [US Flu Levels Rise as More Pediatric Deaths Reported](#)
- [Study Links 'Presenteeism' of Sick Health Care Workers to Flu Outbreak in Cancer Patients](#)
- [Flu Vaccine Tied to Fewer Hospitalizations of COPD Patients and WHO: Influenza Update](#)
- [Increased Adverse Birth Outcomes Linked to Pregnant Women with H1N1](#)

MDHHS Contributors

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