



Michigan Flu Focus

Weekly Influenza Surveillance Report



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Week Ending September 7, 2019 | WEEK 36

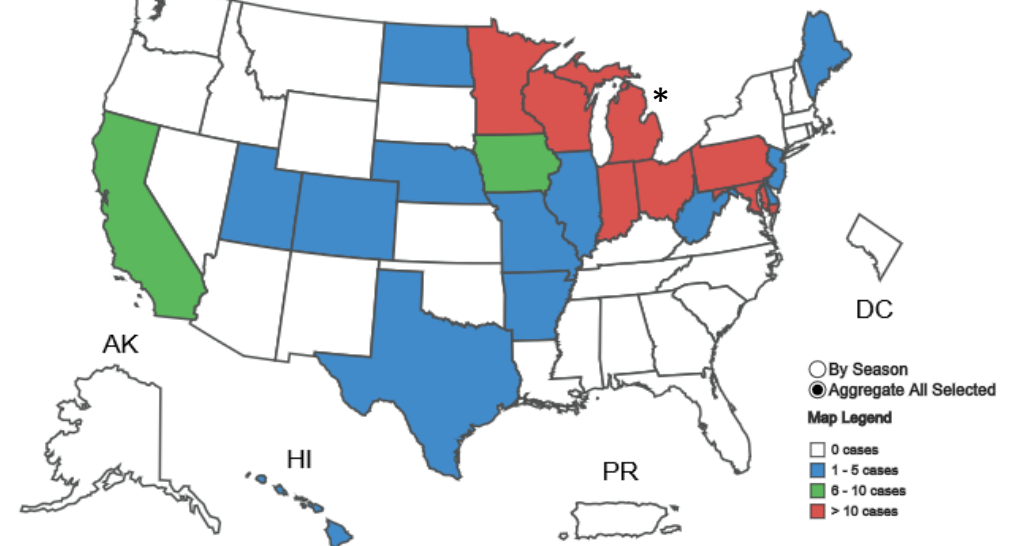
Updates of Interest

The CDC's Advisory Committee on Immunization Practices (ACIP) has recently published in the Morbidity and Mortality Weekly Report (MMWR) the recommendations for influenza vaccination for the 2019-2020 season. This report updates recommendations regarding the use of influenza vaccines for the prevention and control of seasonal influenza in the U.S.

See FluBytes link for details.

The Michigan Flu Focus reports will resume weekly distribution starting Week 40 (Week Ending October 5, 2019).

Novel Influenza Cases by State, 2010-2019



*One human infection with a variant influenza virus (A/H1N1v) has been reported in Michigan for the 2018-2019 season; this is the first influenza A H1N1v virus infection detected in the United States in 2019. Source: CDC FluView

FluBytes

- [Prevention and Control of Seasonal Influenza with Vaccines: ACIP Recommendations](#)
- [Study: Influenza Associated Hospital Admissions](#)
- [Influenza Activity in the United States: 2018-19 Season](#)
- [Flu Vaccination Policies: Increasing Flu Vaccine Coverage](#)

Congregate Setting Respiratory Virus Outbreaks

There was 0 [C(0), N(0), SE(0), SW(0)] new respiratory virus outbreaks reported to MDHHS during this time period. Respiratory outbreaks for the 2019 summer season are listed below.

Facility Type	C	N	SE	SW	Summer 2019 Total	2018-19 Flu Season Total
Schools: K-12 & College	0	0	0	0	0	9
Long-term Care / Assisted Living Facility	1	0	0	1	2	60
Healthcare Facility	0	0	0	0	0	1
Daycare	0	0	0	0	0	0
Homeless Shelter	0	0	0	0	0	1
Correctional Facility	0	0	0	0	0	8
Other	0	0	0	0	0	0
Total	1	0	0	1	2	
2018-19 Total	24	13	27	15		79

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](#)

Swine Variant Influenza Toolkit

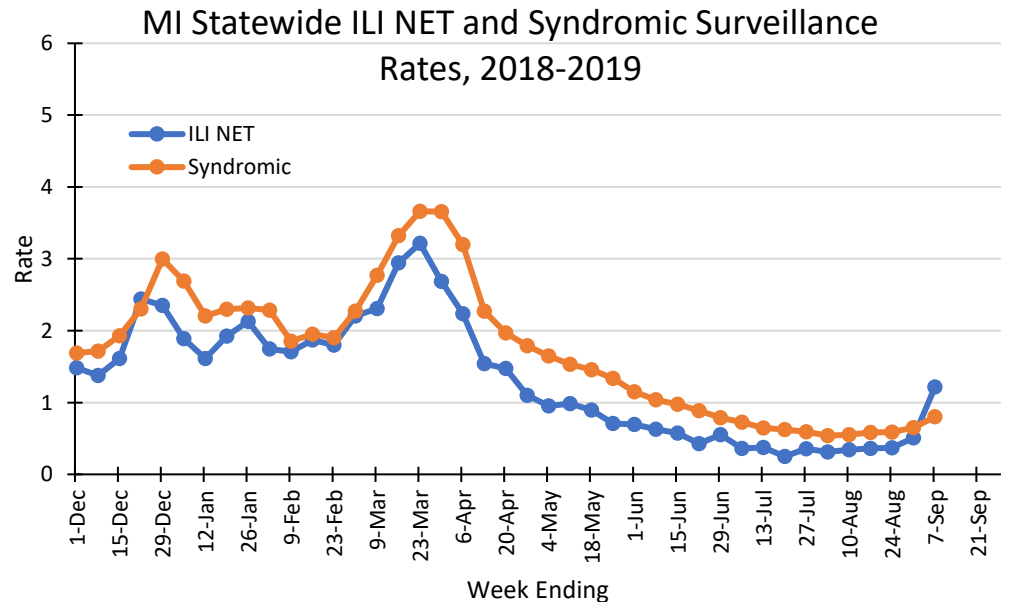
The Swine Variant Influenza Toolkit will help local health departments in planning for and responding to suspected influenza outbreaks associated with swine at agricultural fairs and exhibits. See:

- [Swine Variant Influenza Toolkit](#)
- [Swine Variant Influenza Toolkit Templates Document](#)

Influenza-like Illness (ILI) Activity

During the 2018-2019 influenza season, Michigan flu activity peaked week ending **March 23, 2019** (Week 12) at **3.2%** and reported above baseline of 1.8% for **12** weeks. National flu activity peaked week ending **February 16, 2019** (Week 7) at **5.1%**.

- Total number of reports by region: 21 [C(7), N(3), SE(8), SW(3)]
 - Proportion of visits due to ILI: 1.2% (regional baseline*: 1.8%)
 - 77 patient visits due to ILI were reported out of 6,339 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.



Become an ILINET provider!

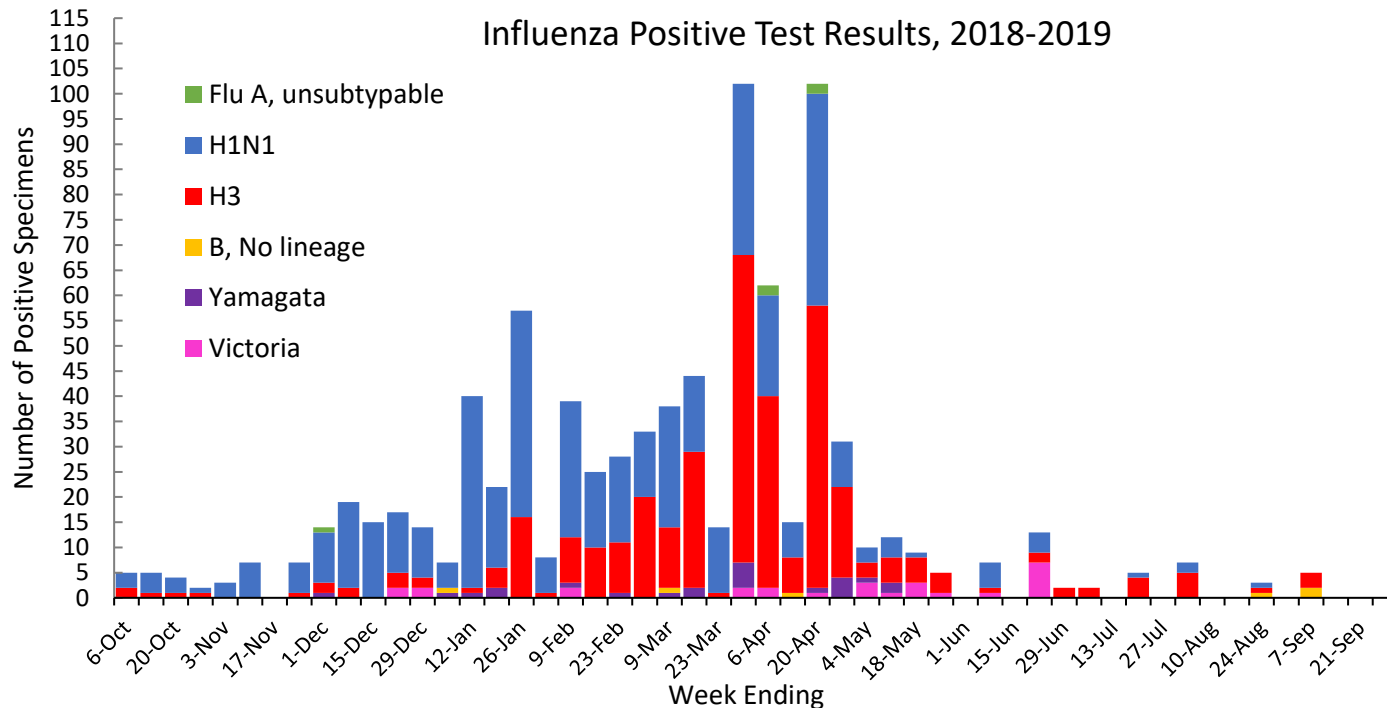
Contact Shelly Doebler at DoeblerM@michigan.gov

MDHHS Bureau of Laboratories (BOL)

There were 5 [C(0), N(0), SE(5), SW(0)] new respiratory virus results reported to MDHHS during this time period. Positive results for the 2019 summer season are listed below.

Respiratory Virus	# Positive Respiratory Virus Results by Region				Summer 2019 Total	2018-19 Flu Season Total
	C	N	SE	SW		
2009 A/H1N1pdm	3	0	5	5	13	442
Influenza A/H3	6	2	7	9	24	319
Influenza B	6	0	6	0	12	44
Total	15	2	18	14	49	
2018-2019 Total	376	47	95	287		805

Note: 1 specimen tested positive for A H3 and B; 2 specimens tested positive for A H1N1 and A H3



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: **July 23, 2019**

Michigan Sentinel Clinical Laboratories Respiratory Virus Data

Ten (10) sentinel clinical labs (2SE, 2SW, 6C, 0N) reported during Week 36

SE Region

- Influenza A: low; slightly increasing
- Influenza B: sporadic
- Parainfluenza: sporadic-low
- RSV: no activity
- Adenovirus: low–slightly elevated
- hMPV: sporadic-low

Central Region

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

SW Region

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

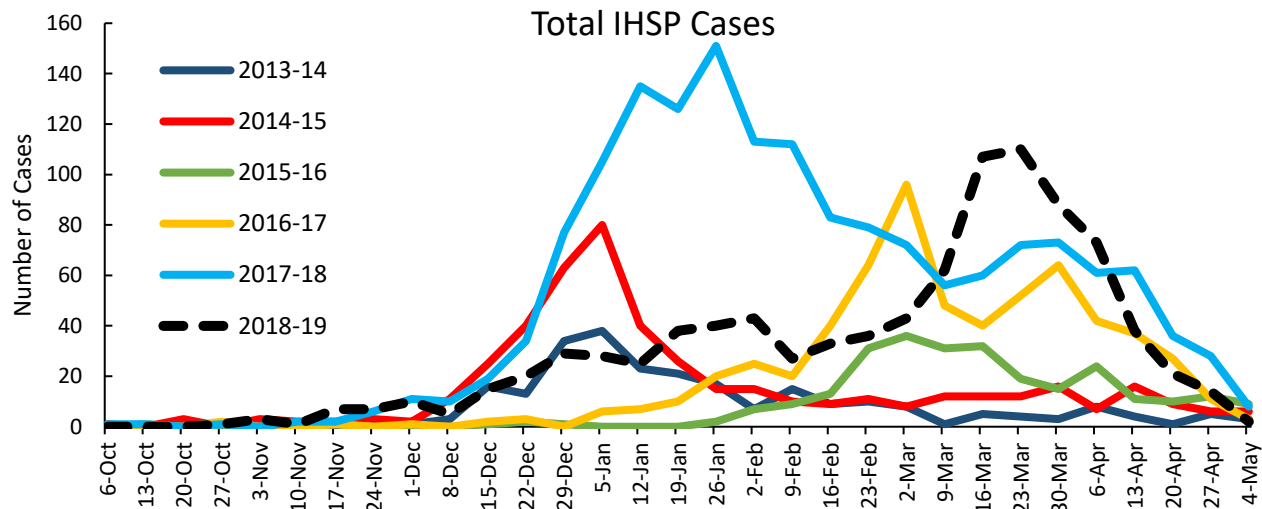
North Region

- 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

Influenza-related Hospitalization Surveillance

Week Ending Sept 7

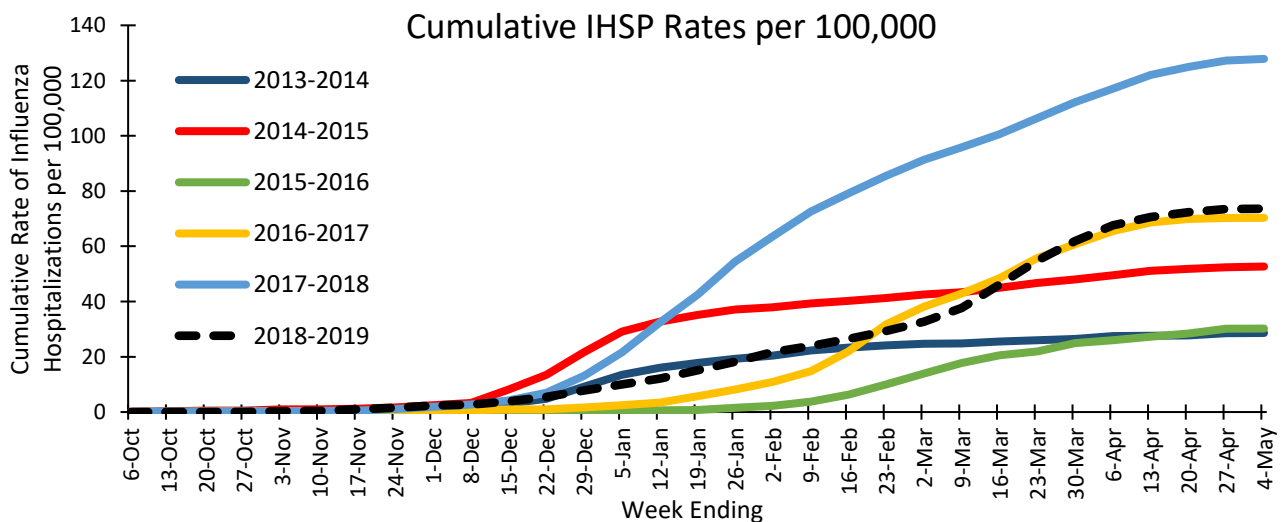
The CDC Influenza Hospitalization Surveillance Project (IHSP) provides population-based rates of hospitalization due to severe influenza-related illness through active surveillance and chart review of lab-confirmed cases from Oct. 1, 2018 until Apr. 30, 2019, for Clinton, Eaton, Ingham, Genesee, and Washtenaw counties. For the 2018-2019 influenza season, there have been a total of 922 (115 pediatric, 807 adult) influenza-related hospitalizations reported in the catchment area.



Influenza-associated Pediatric Mortality

Three (3) pediatric influenza (A/H1N1-09, A/H3N2, A/B undistinguished) deaths have been confirmed by MDHHS for the 2018-2019 flu season.

Nationally, 134 influenza-associated pediatric deaths have been reported for the 2018-2019 flu season.



Washtenaw County was added in 2017-2018

Note: IHSP surveillance period has ended as of April 30, 2019 and will resume October 1, 2019

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