Michigan Flu Focus
Weekly Influenza Surveillance Report

Michigan Influenza Activity

<table>
<thead>
<tr>
<th>Michigan Influenza Activity</th>
<th>No Activity</th>
<th>Sporadic</th>
<th>Local</th>
<th>Regional</th>
<th>Widespread</th>
</tr>
</thead>
</table>

*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

Join the Influenza Sentinel Hospital Network (ISHN)!
What is it? ISHN is a group of Michigan hospitals that voluntarily report weekly aggregate counts of flu positive inpatients to assist MDHHS with statewide flu surveillance

How it works: As a participating hospital in the IHSN, you would complete a brief survey every week containing:
- # of hospitalizations with a positive flu test by age group
- The total # of admissions during that time frame (if available)

If your facility is interested in participating or would like more details, please contact Sue Kim (KimS2@michigan.gov) or Seth Eckel (EckelS1@michigan.gov).

Influenza-associated Pediatric Mortality

To date, no (0) pediatric influenza deaths have been confirmed by MDHHS for the 2018-2019 flu season. Nationally, two (2) influenza-associated pediatric deaths have been reported thus far for the 2018-2019 flu season.
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.

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

Become a sentinel provider!
Contact Shelly Doebler at DoeplerM@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 3 (2 pediatric, 1 adult) influenza-related hospitalizations reported in the catchment area for the 2018-2019 season.
MDHHS Bureau of Laboratories reported 3 new positive influenza results (1C, 0N, 1SE, 1SW).

### Respiratory Virus Data

<table>
<thead>
<tr>
<th>Respiratory Virus</th>
<th># Positive Respiratory Virus Results by Region</th>
<th>Overall Total</th>
<th>2017-18 Total</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>C</td>
<td>N</td>
<td>SE</td>
</tr>
<tr>
<td>2009 A/H1N1pdm</td>
<td>6</td>
<td>0</td>
<td>7</td>
</tr>
<tr>
<td>Influenza A/H3</td>
<td>2</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Influenza B</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Total</td>
<td>8</td>
<td>0</td>
<td>7</td>
</tr>
</tbody>
</table>

### Influenza Positive Test Results, 2018-2019

- **FLU A, unsubtypable**
- **H1N1**
- **H3**
- **FLU B, no subtype**
- **Victoria**
- **Yamagata**

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:
There was 0 (0N, 0C, 0SE, 0SW) new respiratory viral outbreak reported to MDHHS during this time period.

Respiratory outbreaks for the 2018-2019 season are listed in the table below.

<table>
<thead>
<tr>
<th>Facility Type</th>
<th>C</th>
<th>N</th>
<th>SE</th>
<th>SW</th>
<th>Total</th>
<th>2016-2017 Total</th>
<th>2017-2018 Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Schools: K-12 &amp; College</td>
<td>1</td>
<td></td>
<td>1</td>
<td></td>
<td>25</td>
<td>14</td>
<td></td>
</tr>
<tr>
<td>Long-term Care / Assisted Living Facility</td>
<td>138</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>238</td>
<td></td>
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<tr>
<td>Healthcare Facility</td>
<td>23</td>
<td>4</td>
<td></td>
<td></td>
<td>26</td>
<td>4</td>
<td></td>
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<tr>
<td>Daycare</td>
<td>3</td>
<td>4</td>
<td></td>
<td></td>
<td>3</td>
<td>4</td>
<td></td>
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<tr>
<td>Homeless Shelter</td>
<td>1</td>
<td>0</td>
<td></td>
<td></td>
<td>1</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>Correctional Facility</td>
<td>2</td>
<td>10</td>
<td></td>
<td></td>
<td>2</td>
<td>10</td>
<td></td>
</tr>
<tr>
<td>Other</td>
<td>3</td>
<td>0</td>
<td></td>
<td></td>
<td>3</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td>1</td>
<td>1</td>
<td></td>
<td></td>
<td>195</td>
<td>270</td>
<td></td>
</tr>
</tbody>
</table>

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**
- Vaccine Effectiveness Not Reduced by Prior Vaccination
- Vaccine Uptake Dropped in 2017-18 Season

**MDHHS Contributors**

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**Bureau of Family Health Services** – M. Doebler, MPH

**Bureau of Labs** – B. Robeson, MT, V. Vavricka, MS

For questions or to be added to the distribution list, please contact Sue Kim at KimS2@michigan.gov