The Michigan Department of Health & Human Services Bureau of Laboratories (MDHHS BOL) has 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.


Influenza-associated Pediatric Mortality

One (1) pediatric influenza (A/H1N1-09) death has been confirmed by MDHHS for the 2018-2019 flu season. Nationally, 24 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, 3.8% 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 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 230 (35 pediatric, 195 adult) influenza-related hospitalizations reported in the catchment area for the 2018-2019 season.

Washtenaw County was added in 2017-2018
Laboratory Surveillance

Week Ending January 26

MDHHS Bureau of Laboratories reported 57 new positive influenza results (32, 3N, 8SE, 14SW)

<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>81</td>
<td>13</td>
<td>33</td>
</tr>
<tr>
<td>Influenza A/H3</td>
<td>20</td>
<td>3</td>
<td>5</td>
</tr>
<tr>
<td>Influenza B</td>
<td>1</td>
<td>0</td>
<td>8</td>
</tr>
<tr>
<td>Total</td>
<td>102</td>
<td>16</td>
<td>46</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Influenza Positive Test Results, 2018-2019</th>
</tr>
</thead>
</table>

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; increasing
- Influenza B: low
- Parainfluenza: low-moderate
- RSV: moderate; variable
- Adenovirus: low
- hMPV: low-moderate; slight decrease

Central Region
- Influenza A: low-moderate; some increases
- Influenza B: sporadic
- Parainfluenza: low
- RSV: low-moderate; some decreases
- Adenovirus: low
- hMPV: very low

SW Region
- Influenza A: moderate; slight increase
- Influenza B: sporadic
- Parainfluenza: low; slight decrease
- RSV: moderate; steady
- Adenovirus: low
- hMPV: low

North Region
- Influenza A: increased
- Influenza B: sporadic
- Parainfluenza: no data available
- RSV: sporadic-low
- Adenovirus: no data available
- hMPV: no data available
There were three (0N, 1C, 2SE, 0SW) new respiratory viral outbreaks 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>2</td>
<td>1</td>
<td>0</td>
<td>1</td>
<td>4</td>
<td>25</td>
<td>14</td>
</tr>
<tr>
<td>Long-term Care / Assisted Living Facility</td>
<td>4</td>
<td>1</td>
<td>2</td>
<td>2</td>
<td>9</td>
<td>138</td>
<td>238</td>
</tr>
<tr>
<td>Healthcare Facility</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>1</td>
<td>23</td>
<td>4</td>
</tr>
<tr>
<td>Daycare</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>3</td>
<td>4</td>
</tr>
<tr>
<td>Homeless Shelter</td>
<td>0</td>
<td>0</td>
<td>1</td>
<td>0</td>
<td>1</td>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td>Correctional Facility</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>2</td>
<td>10</td>
</tr>
<tr>
<td>Other</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>3</td>
<td>0</td>
</tr>
<tr>
<td>Total</td>
<td>7</td>
<td>2</td>
<td>3</td>
<td>3</td>
<td>15</td>
<td>195</td>
<td>270</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**
- [Interim Vaccine Effectiveness Estimates Against Influenza A/H1N1-2018-19 season](#)
- [Widespread Flu Across Most of US](#)
- [Children’s Hospital of Michigan Offering Rapid Flu Testing](#)
- [Expanded Indication for Fluzone Quadrivalent Vaccine](#)

**MDHHS Contributors**

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For questions or to be added to the distribution list, please contact Sue Kim at [KimS2@michigan.gov](mailto:KimS2@michigan.gov)