MDHHS would like to welcome a new influenza coordinator in the Division of Immunizations. Michelle (Shelly) Doebler received her MPH from Grand Valley State University and will be coordinating the ILINet sentinel provider program. For questions about ILINet, please contact her at DoeblerM@michigan.gov or 517-335-8159.

Influenza-associated Pediatric Mortality

To date, no pediatric influenza deaths have been confirmed by MDHHS for the 2018-2019 flu season. Nationally, no 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, 1.4% of outpatient visits were due to influenza-like illness, which is below the national baseline of 2.2%.

National Surveillance

In the United States, 1.4% 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 no (0 pediatric, 0 adult) influenza-related hospitalizations reported in the catchment area for the 2018-2019 season.

Total IHSP Cases

Washtenaw County was added in 2017-2018
MDHHS Bureau of Laboratories reported 5 new positive influenza results (1C, 0N, 2SE, 2SW).

### 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>1</td>
<td>0</td>
<td>2</td>
</tr>
<tr>
<td>Influenza A/H3</td>
<td>0</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>1</td>
<td>0</td>
<td>2</td>
</tr>
</tbody>
</table>

**Influenza Positive Test Results, 2017-2018**

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: --

**Michigan Sentinel Clinical Lab Respiratory Virus Data**

Nine (9) sentinel clinical labs (2SE, 1SW, 5C, 1N) reported during this week.

**SE Region**
- Influenza A: no activity
- Influenza B: no activity
- Parainfluenza: low
- RSV: low
- Adenovirus: low/sporadic
- hMPV: low/sporadic

**Central Region**
- Influenza A: no activity
- Influenza B: no activity
- Parainfluenza: low/sporadic
- RSV: low/sporadic
- Adenovirus: no activity
- hMPV: no activity

**SW Region**
- Influenza A: no activity
- Influenza B: no activity
- Parainfluenza: low
- RSV: no activity
- Adenovirus: no activity
- hMPV: no activity

**North Region**
- Influenza A: no activity
- Influenza B: no activity
- Parainfluenza: no data available
- RSV: no activity
- Adenovirus: no data available
- hMPV: no data available
There were no (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>25</td>
<td>14</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>25</td>
<td>14</td>
</tr>
<tr>
<td>Long-term Care / Assisted Living Facility</td>
<td>138</td>
<td>238</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>138</td>
<td>238</td>
</tr>
<tr>
<td>Healthcare Facility</td>
<td>23</td>
<td>4</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>23</td>
<td>4</td>
</tr>
<tr>
<td>Daycare</td>
<td>3</td>
<td>4</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>3</td>
<td>4</td>
</tr>
<tr>
<td>Homeless Shelter</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td>Correctional Facility</td>
<td>2</td>
<td>10</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>2</td>
<td>10</td>
</tr>
<tr>
<td>Other</td>
<td>3</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>0</td>
<td>195</td>
<td>0</td>
<td>0</td>
<td>0</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

- Flu Vaccine Reduces Risk of Flu Hospitalization Among Pregnant Women
- New Antiviral Shortens Flu Symptoms in High-risk Patients
- Phase 2 Flu Challenge Finds Mucosal Protection for Oral Flu Vaccine Tablet

MDHHS Contributors

- Bureau of Family Health Services
- 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