The WHO has recently finalized their recommendations for the influenza A (H3N2) component for the 2019-20 influenza vaccine. Please see the following links on the WHO’s Addendum to the recommended composition of influenza virus vaccines for use in the 2019–2020 northern hemisphere influenza season.

Links: [https://www.who.int/influenza/vaccines/virus/recommendations/201902_recommendation_addendum.pdf?ua=1](https://www.who.int/influenza/vaccines/virus/recommendations/201902_recommendation_addendum.pdf?ua=1)

**Influenza-associated Pediatric Mortality**

One (1) pediatric influenza (A/H1N1-09) death has been confirmed by MDHHS for the 2018-2019 flu season. Nationally, 76 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, 4.4% 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 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 **581 (87 pediatric, 494 adult)** influenza-related hospitalizations reported in the catchment area for the 2018-2019 season.

**Total IHSP Cases**

Washtenaw County was added in 2017-2018
### Laboratory Surveillance

**Week Ending March 16**

MDHHS Bureau of Laboratories reported 44 new positive influenza results (24C, 4N, 4SE, 12SW)

<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>141</td>
<td>22</td>
<td>49</td>
</tr>
<tr>
<td>Influenza A/H3</td>
<td>56</td>
<td>12</td>
<td>10</td>
</tr>
<tr>
<td>Influenza B</td>
<td>2</td>
<td>4</td>
<td>10</td>
</tr>
<tr>
<td>Total</td>
<td>199</td>
<td>38</td>
<td>69</td>
</tr>
</tbody>
</table>

**Respiratory Virus Data**

Eleven (11) sentinel clinical labs (2SE, 1SW, 7C, 1N) reported during this week

**SE Region**
- Influenza A: moderate-high; increasing
- Influenza B: elevated; some increases
- Parainfluenza: low
- RSV: slightly elevated; downward trend
- Adenovirus: slightly elevated
- hMPV: slightly elevated

**Central Region**
- Influenza A: moderate; increasing
- Influenza B: low-slightly elevated;
- Parainfluenza: low
- RSV: low; some decreases
- Adenovirus: low
- hMPV: low-slightly elevated

**SW Region**
- Influenza A: moderate; increasing
- Influenza B: sporadic-low
- Parainfluenza: low
- RSV: moderate; slight increase
- Adenovirus: low
- hMPV: slightly elevated

**North Region**
- Influenza A: slightly elevated
- Influenza B: elevated; increasing
- Parainfluenza: no data available
- RSV: low
- Adenovirus: no data available
- hMPV: no data available

**Influenza Positive Test Results, 2018-2019**

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: **March 21, 2019**
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>3</td>
<td>2</td>
<td>2</td>
<td>1</td>
<td>8</td>
<td>25</td>
<td>14</td>
</tr>
<tr>
<td>Long-term Care / Assisted Living Facility</td>
<td>9</td>
<td>2</td>
<td>10</td>
<td>8</td>
<td>29</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>1</td>
<td>3</td>
<td>0</td>
<td>0</td>
<td>4</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>14</td>
<td>7</td>
<td>13</td>
<td>9</td>
<td>43</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
- CHOP: Vaccine Decision Making Among Families
- WHO Recommendation Made for H3N2 Virus Vaccine Strain
- AAP: No Flu Vaccine Preference for 2019-20 Flu Season
- Getting a Flu Shot May Reduce Risk of Heart Attack
- Flu Activity Surveillance Update

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- 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