Laboratory Surveillance Report

Influenza (Week ending April 28, 2018)

National Influenza Update (CDC)
- Nationally, the CDC reported that 7.4% of the 12,794 surveillance specimens tested positive for influenza virus (A and B). Overall, activity is decreasing.
- Influenza B remained the predominant influenza virus reported accounting for 66.4% of the positives.
- A total of 163 influenza-associated pediatric deaths have been reported for the 2017-2018 season. This was the highest recorded since the 2012-2013 season (171).

Wisconsin Influenza Update
- 12.9% of the influenza specimens tested by PCR were positive. Activity continues to decrease in Wisconsin.
- Influenza B was the predominant influenza virus reported (86%).
- No influenza antiviral resistance has been detected in Wisconsin this season.

Gastrointestinal Pathogens
- Norovirus was the predominant gastropathogen reported.
- Other gastropathogens reported included *V. cholera* (1.5%), astrovirus (2.9%) and adenovirus 40/41 (1.9%).
- Please send positive rotavirus specimens to WSLH.

To enhance surveillance activities for influenza viruses, the WSLH asks labs to please send:
1. A sampling of specimens from influenza-related hospitalizations (e.g. 1 per week).
2. Specimens that fail to subtype (Ct <35) if subtyping for 2009 pdmH1 and H3 were performed.

**Surveillance Data-Wisconsin**

<table>
<thead>
<tr>
<th>Resp. Pathogen PCR</th>
<th># Tested</th>
<th>% Positive</th>
</tr>
</thead>
<tbody>
<tr>
<td>Influenza</td>
<td>1268</td>
<td>12.9↓</td>
</tr>
<tr>
<td>Rhinovirus/enterovirus</td>
<td>527</td>
<td>8.5</td>
</tr>
<tr>
<td>Human metapneumovirus</td>
<td>545</td>
<td>6.2</td>
</tr>
<tr>
<td>RSV</td>
<td>722</td>
<td>3.2↓</td>
</tr>
<tr>
<td>Parainfluenza</td>
<td>535</td>
<td>3.0</td>
</tr>
<tr>
<td>Adenovirus</td>
<td>280</td>
<td>1.8</td>
</tr>
<tr>
<td>Coronavirus</td>
<td>280</td>
<td>0</td>
</tr>
<tr>
<td>B. pertussis</td>
<td>204</td>
<td>1.5</td>
</tr>
</tbody>
</table>

**Respiratory**
- Influenza and RSV activities are decreasing.

**Gastrointestinal**
- Norovirus was the predominant gastropathogen reported.
- Other gastropathogens reported included *V. cholera* (1.5%), astrovirus (2.9%) and adenovirus 40/41 (1.9%).
- Please send positive rotavirus specimens to WSLH.