Laboratory Surveillance Report

Influenza (Week ending December 28, 2013)

National Influenza Update (CDC)

- Nationally, CDC reported that 26.7% of the 6,419 surveillance specimens were positive for influenza. Influenza B activity is low with 2.6% of specimens testing positive.
- 99% of the influenza viruses that were subtyped were 2009 H1N1.
- Antiviral resistance surveillance showed that 1.1% of the 910 specimens (2009 H1N1) tested nationally were resistant to Oseltamivir. No resistance was reported for Zanamivir.

Wisconsin Update

- Surveillance data showed increasing activity with 29% of the 924 respiratory specimens testing positive for influenza by PCR.
- All of the viruses subtyped were influenza A (2009 H1N1).
- No influenza B activity was detected in Wisconsin by PCR.
- No influenza antiviral resistance was detected in WI.

Other Surveillance Data (Wisconsin)

- RSV was the predominate non-influenza respiratory virus reported from clinical labs performing PCR in Wisconsin.
- Norovirus activity is increasing in Wisconsin. The number of norovirus suspected outbreaks reported to the WI Division of Public Health is increasing.

<table>
<thead>
<tr>
<th>Virus</th>
<th># Tested</th>
<th>% Positive</th>
</tr>
</thead>
<tbody>
<tr>
<td>RSV</td>
<td>341</td>
<td>6.5</td>
</tr>
<tr>
<td>Rhinovirus/enterovirus</td>
<td>181</td>
<td>4.4</td>
</tr>
<tr>
<td>Parainfluenza</td>
<td>211</td>
<td>2.4</td>
</tr>
<tr>
<td>Adenovirus</td>
<td>148</td>
<td>1.4</td>
</tr>
<tr>
<td>Human metapneumovirus</td>
<td>184</td>
<td>&lt;1</td>
</tr>
<tr>
<td>Coronavirus</td>
<td>152</td>
<td>&lt;1</td>
</tr>
</tbody>
</table>

Surveillance Specimen Requests:

Due to increasing activity, it is no longer necessary to send influenza rapid testing positive specimens for confirmatory testing.

- Please send the following specimens to WSLH:
  1. Influenza-related hospitalizations
  2. Specimens that fail to subtype (Ct <35) if subtyping was performed (e.g. 2009 H1N1 & H3).