2011-12 North Dakota Weekly Influenza Update

Editor: Lindsey VanderBusch
lvanderbusch@nd.gov

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Week: 16

1235 Total Influenza Cases
61 Hospitalizations
0 Deaths

Current Summary:

Influenza activity in North Dakota is LOCAL.

Outpatient ILI Surveillance is well below baseline at 1.04%

There currently have been no deaths related directly to influenza this year (September 1, 2011 to present).

Respiratory Viruses

<table>
<thead>
<tr>
<th>Virus Type</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>RSV A</td>
<td>5</td>
</tr>
<tr>
<td>RSV B</td>
<td>3</td>
</tr>
<tr>
<td>Rhinovirus</td>
<td>11</td>
</tr>
<tr>
<td>Adenovirus</td>
<td>4</td>
</tr>
<tr>
<td>Parainfluenza</td>
<td>4</td>
</tr>
<tr>
<td>Human Metapneumovirus</td>
<td>5</td>
</tr>
</tbody>
</table>

*Only providers participating in IISP have specimens tested for these viruses.

Influenza Cases by County

Outpatient Illness Surveillance–Influenza-like Illness

<table>
<thead>
<tr>
<th>Week</th>
<th>% ILI</th>
<th>0-4</th>
<th>5-24</th>
<th>25-49</th>
<th>50-64</th>
<th>65+</th>
</tr>
</thead>
<tbody>
<tr>
<td>14</td>
<td>0.82%</td>
<td>10</td>
<td>8</td>
<td>14</td>
<td>3</td>
<td>1</td>
</tr>
<tr>
<td>15</td>
<td>1.09%</td>
<td>16</td>
<td>14</td>
<td>6</td>
<td>5</td>
<td>6</td>
</tr>
<tr>
<td>16</td>
<td>1.04%</td>
<td>13</td>
<td>13</td>
<td>11</td>
<td>3</td>
<td>2</td>
</tr>
</tbody>
</table>

www.ndflu.com
North Dakota School Surveillance:

-- 5 Schools Reporting

-- Percent Absent due to illness for this week is well below what would be considered significant absenteeism.

-- If your school would be willing to participate in our surveillance, please contact Lindsey VanderBusch, lvanderbusch@nd.gov.

Sentinel Laboratory Surveillance

-- 15 North Dakota Laboratories Reporting

-- The number of percent positive on influenza tests is sustaining.

-- RSV activity peaked in Week 8. Seasonably late.

*These data do not represent all laboratory results for influenza.
Week: 16

Influenza-like Illness--National Graph

Percentage of Visits for Influenza-like Illness (ILI) Reported by the U.S. Outpatient Influenza-like Illness Surveillance Network (ILINet), Weekly National Summary, September 29, 2008 – April 21, 2012

Influenza-like Illness--National Map

Influenza Positive Lab Tests---National

During week 16 (April 15-21, 2012), influenza activity was elevated in some areas of the United States, but declined nationally and in most regions.

U.S. Virologic Surveillance: Of the 2,987 specimens tested by U.S. World Health Organization (WHO) and National Respiratory and Enteric Virus Surveillance System (NREVSS) collaborating laboratories and reported to CDC/Influenza Division, 662 (22.2%) were positive for influenza.

Pneumonia and Influenza (P&I) Mortality Surveillance: The proportion of deaths attributed to P&I was below the epidemic threshold.

Influenza-associated Pediatric Mortality: Three influenza-associated pediatric deaths were reported. One was associated with a 2009 H1N1 virus, one was associated with a seasonal influenza A (H3) virus, and one was associated with an influenza A virus for which the subtype was not determined.

Outpatient Illness Surveillance: The proportion of outpatient visits for influenza-like illness (ILI) was 1.3%, which is below the national baseline of 2.4%. Region 10 reported ILI above its region-specific baseline level. Four states experienced low ILI activity; New York City and 46 states experienced minimal ILI activity, and the District of Columbia had insufficient data to calculate ILI activity.

Geographic Spread of Influenza: Four states reported widespread geographic activity; 10 states reported regional influenza activity; 14 states reported local activity; the District of Columbia and 21 states reported sporadic activity; Guam, the U.S. Virgin Islands, and one state reported no influenza activity, and Puerto Rico did not report.

Influenza Positive Lab Tests--National

Number of Specimens Tested

Week 16

- 2,987

Number of Positive Specimens

- 662 (22.2%)

Positive by Subtype

- Influenza A: 491
  - A (2009 H1N1): 78
  - A (H1): 0
  - A (H3): 283
  - A (Untyped): 130
- Influenza B: 171