Maine Weekly Influenza Surveillance Report
April 25, 2017

For MMWR week 16 (ending 4/22/2017)

New This Week
- Federal Flu Code: Widespread
- Forty-four new hospitalizations reported
- Nine new outbreaks reported

Surveillance Information – Maine, 2016-2017 Influenza Season
- Number of ILINet Providers reporting: 22
  - % of visits for Influenza-Like Illness (ILI): 1.14
- Syndromic Surveillance
  - % of Emergency Room visits for ILI: 2.4
  - % of Emergency Medical Services (EMS) runs for ILI: 1.7
- Number of Hospitals reporting: 1
  - % of admissions due to Pneumonia & Influenza (P&I): 1.1
- Electronic Death Reporting System
  - % of deaths due to P&I: 11.5

All data is preliminary and subject to change
Lab Data – Maine, 2016-2017 Influenza Season

- # of samples tested at HETL: 30
  - # positive: 13
  - % positive: 43.3

- # of samples tested at Maine Reference Labs: 193 (*Missing 1 lab this week)
  - # positive: 56
  - % positive: 29.0

- # of samples positive by rapid antigen test: 63

Cumulative Influenza Positive Tests Reported to Maine CDC by Strain and Test Type

All data is preliminary and subject to change
Geographic Distribution of Lab Tests, Maine 2016-17*

<table>
<thead>
<tr>
<th>County</th>
<th>Positive labs</th>
<th>Hospitalizations</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Tested this week</td>
<td>Total</td>
</tr>
<tr>
<td>Androscoggin</td>
<td>38</td>
<td>783</td>
</tr>
<tr>
<td>Aroostook</td>
<td>37</td>
<td>343</td>
</tr>
<tr>
<td>Cumberland</td>
<td>28</td>
<td>786</td>
</tr>
<tr>
<td>Franklin</td>
<td>4</td>
<td>167</td>
</tr>
<tr>
<td>Hancock</td>
<td>16</td>
<td>240</td>
</tr>
<tr>
<td>Kennebec</td>
<td>14</td>
<td>307</td>
</tr>
<tr>
<td>Knox</td>
<td>11</td>
<td>172</td>
</tr>
<tr>
<td>Lincoln</td>
<td>9</td>
<td>105</td>
</tr>
<tr>
<td>Oxford</td>
<td>15</td>
<td>177</td>
</tr>
<tr>
<td>Penobscot</td>
<td>57</td>
<td>1166</td>
</tr>
<tr>
<td>Piscataquis</td>
<td>0</td>
<td>52</td>
</tr>
<tr>
<td>Sagadahoc</td>
<td>3</td>
<td>75</td>
</tr>
<tr>
<td>Somerset</td>
<td>12</td>
<td>283</td>
</tr>
<tr>
<td>Waldo</td>
<td>9</td>
<td>129</td>
</tr>
<tr>
<td>Washington</td>
<td>1</td>
<td>133</td>
</tr>
<tr>
<td>York</td>
<td>11</td>
<td>585</td>
</tr>
<tr>
<td>Total</td>
<td>265</td>
<td>5503</td>
</tr>
</tbody>
</table>

*Only reported PCR, culture, and rapid antigen tests are included in the chart and map. For more information, see the methods page on http://www.maine.gov/dhhs/mecdc/infectious-disease/epi/influenza/influenza-surveillance-weekly-updates.shtml

Positive Influenza Tests, Maine 2016-17

Antiviral Resistance – Maine, 2016-17 Influenza Season

- # of Influenza A (pH1N1) samples tested for Tamiflu resistance at HETL: 0
  - # with resistance: 0
- # of Influenza A (H3) samples tested for Tamiflu resistance at HETL: 208
  - # with resistance: 0

Age and Gender Information – Maine, 2016-17 Influenza Season

- Minimum Age: 3 weeks
- Mean Age: 42 years
- Maximum Age: 103 years
- Hospitalized Minimum Age: 6 months
- Hospitalized Mean Age: 65 years
- Hospitalized Maximum Age: 101 years

All data is preliminary and subject to change
Antigenic Characterization (Vaccine Match)

- Federal CDC has antigenically characterized 1,444 influenza viruses since October 1, 2016
  - 99.2% of influenza A/H1N1 samples match the vaccine strain
  - 96.5% of influenza A/H3 samples match the vaccine strain
  - 91.9% of influenza B/Victoria samples match the vaccine strain
  - 100% of influenza B/Yamagata samples match the vaccine strain

Influenza-Like Illness Outbreaks – Maine, 2016-17 Influenza Season

- # new outbreaks: 9
- Total outbreaks 2016-17 season: 126

Influenza-Like Illness Outbreaks by Facility Type – Maine, 2016-17

Outbreak Facility Type Key:
LTC - Long Term Care Facility
AC - Acute Care Facility (nosocomial)
K12 - School (K-12) or daycare
Univ - School (residential) or University
HCW - Health care workers
Inst - Other institutions (workplaces, correctional facilities etc)
Camp - Camp

All data is preliminary and subject to change
National Influenza Surveillance Data
Source: http://www.cdc.gov/flu/weekly/

Influenza-Like Illness (ILI) Activity Level Indicator Determined by Data Reported to ILINet
2016-17 Influenza Season Week 15 ending Apr 15, 2017

ILI Activity Level
- High
- Moderate
- Low
- Minimal
- Insufficient Data

A Weekly Influenza Surveillance Report Prepared by the Influenza Division
Weekly Influenza Activity Estimates Reported by State and Territorial Epidemiologists*
Week Ending Apr 15, 2017 - Week 15

Influenza Activity Estimates
- No Activity
- Sporadic
- Local
- Regional
- Widespread
- No Report

*This map indicates geographic spread and does not measure the severity of influenza activity.

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