Maine Weekly Influenza Surveillance Report

February 6, 2018

For MMWR week 5 (ending 2/3/2018)

New This Week
- Federal Flu Code: Widespread
- 120 new hospitalizations
- 21 new outbreaks: 19 in long term care facilities, 1 in a school and 1 in an institution

Surveillance Information – Maine, 2017-2018 Influenza Season
- Number of ILINet Providers reporting: 18
  - % of visits for Influenza-Like Illness (ILI): 1.09
- Syndromic Surveillance
  - % of Emergency Room visits for ILI: 5.7
  - % of Emergency Medical Services (EMS) runs for ILI: 1.7
- Influenza Hospitalizations
  - # of hospitalizations: 120
- Electronic Death Reporting System
  - % of deaths due to P&I: 10.1

All data is preliminary and subject to change
Lab Data – Maine, 2017-2018 Influenza Season
- # of samples tested at HETL: 72
  - # positive: 24
  - % positive: 33.3
- # of samples tested at Maine Reference Labs: 1,228
  - # positive: 340
  - % positive: 27.7
- # of samples positive by rapid antigen test: 354

Positive PCR Samples for Influenza, HETL – Maine, 2017-18

Positive Samples for Influenza, Maine Reference Labs – Maine, 2017-18

Positive Influenza Rapid Antigen Tests – Maine, 2017-18

All Positive Influenza Results – Maine 2017-18

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

- HETL
- Reference Labs
- Rapid Tests

All data is preliminary and subject to change
Geographic Distribution of Lab Tests, Maine 2017-18

<table>
<thead>
<tr>
<th>County</th>
<th>Tested this week</th>
<th>Total</th>
<th>New this week</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Androscoggin</td>
<td>75</td>
<td>266</td>
<td>2</td>
<td>30</td>
</tr>
<tr>
<td>Aroostook</td>
<td>43</td>
<td>125</td>
<td>0</td>
<td>6</td>
</tr>
<tr>
<td>Cumberland</td>
<td>145</td>
<td>482</td>
<td>25</td>
<td>109</td>
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<tr>
<td>Franklin</td>
<td>23</td>
<td>120</td>
<td>3</td>
<td>6</td>
</tr>
<tr>
<td>Hancock</td>
<td>26</td>
<td>113</td>
<td>2</td>
<td>25</td>
</tr>
<tr>
<td>Kennebec</td>
<td>37</td>
<td>196</td>
<td>5</td>
<td>23</td>
</tr>
<tr>
<td>Knox</td>
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<td>194</td>
<td>17</td>
<td>90</td>
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<tr>
<td>Lincoln</td>
<td>41</td>
<td>116</td>
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<tr>
<td>Oxford</td>
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<td>138</td>
<td>8</td>
<td>39</td>
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<tr>
<td>Penobscot</td>
<td>117</td>
<td>458</td>
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<td>Piscataquis</td>
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<td>19</td>
<td>0</td>
<td>1</td>
</tr>
<tr>
<td>Sagadahoc</td>
<td>22</td>
<td>52</td>
<td>3</td>
<td>21</td>
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<tr>
<td>Somerset</td>
<td>44</td>
<td>153</td>
<td>0</td>
<td>21</td>
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<td>Waldo</td>
<td>33</td>
<td>93</td>
<td>12</td>
<td>45</td>
</tr>
<tr>
<td>Washington</td>
<td>3</td>
<td>32</td>
<td>0</td>
<td>10</td>
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<tr>
<td>York</td>
<td>183</td>
<td>740</td>
<td>23</td>
<td>114</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>876</strong></td>
<td><strong>3297</strong></td>
<td><strong>120</strong></td>
<td><strong>667</strong></td>
</tr>
</tbody>
</table>

*Only reported PCR, culture, and rapid antigen tests are included in the chart and map.

Antiviral Resistance – Maine, 2017-18 Influenza Season

- # of Influenza A (pH1N1) samples tested for Tamiflu resistance at HETL: 9
  - # with resistance: 0
- # of Influenza A (H3) samples tested for Tamiflu resistance at HETL: 129
  - # with resistance: 0

Age and Gender Information – Maine, 2017-18 Influenza Season

- Minimum Age: 3 weeks
- Mean Age: 45 years
- Maximum Age: 103 years
- Hospitalized Minimum Age: 2 months
- Hospitalized Mean Age: 60 years
- Hospitalized Maximum Age: 99 years

Positive Influenza Tests by Age – Maine, 2017-18

Positive Influenza Tests by Gender – Maine, 2017-18

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

- Federal CDC has antigenically or genetically characterized 1,289 influenza viruses from October 1 – January 27, 2018.
  - 100% of influenza A/H1N1 samples match the vaccine strain
  - 98.8% of influenza A/H3 samples match the vaccine strain
  - 58.6% of influenza B/Victoria samples match the vaccine strain
  - 100% of influenza B/Yamagata samples match the vaccine strain

Influenza-Like Illness Outbreaks – Maine, 2017-18 Influenza Season

- # new outbreaks: 21
- Total outbreaks 2017-18 season: 77

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

Influenza Deaths

- # deaths reported this week: 5
- Total influenza deaths 2017-18 season: 34

Pediatric Influenza Deaths

- No pediatric influenza-associated deaths reported during the 2017-18 influenza season
National Influenza Surveillance Data
Source: http://www.cdc.gov/flu/weekly/

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