Maine Weekly Influenza Surveillance Report
November 21, 2017

For MMWR week 46 (ending 11/18/2017)

New This Week
- Federal Flu Code: Local
- One new hospitalization

Surveillance Information – Maine, 2017-2018 Influenza Season
- Number of ILINet Providers reporting: 20
  - % of visits for Influenza-Like Illness (ILI): 0.91%
- Syndromic Surveillance
  - % of Emergency Room visits for ILI: 1.5%
  - % of Emergency Medical Services (EMS) runs for ILI: 0.6%
- Influenza Hospitalizations
  - # of hospitalizations: 1
- Electronic Death Reporting System
  - % of deaths due to P&I: 7.9%

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All data is preliminary and subject to change
Lab Data – Maine, 2017-2018 Influenza Season

- # of samples tested at HETL: 16
  - # positive: 1
  - % positive: 6.3%
- # of samples tested at Maine Reference Labs: 219
  - # positive: 7
  - % positive: 3.2
- # of samples positive by rapid antigen test: 8

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

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

<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>0</td>
<td>4</td>
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<tr>
<td>Aroostook</td>
<td>0</td>
<td>2</td>
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<tr>
<td>Cumberland</td>
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<td>13</td>
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<td>Franklin</td>
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<td>Hancock</td>
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<td>3</td>
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<td>Kennebec</td>
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<td>Knox</td>
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<td>Oxford</td>
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<td>Penobscot</td>
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<td>Piscataquis</td>
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<td>Somerset</td>
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<td>Waldo</td>
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<td>York</td>
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<tr>
<td><strong>Total</strong></td>
<td><strong>16</strong></td>
<td><strong>58</strong></td>
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*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: 0
  - # with resistance: 0
- # of Influenza A (H3) samples tested for Tamiflu resistance at HETL: 3
  - # with resistance: 0

Age and Gender Information – Maine, 2017-18 Influenza Season
- Minimum Age: 5 months
- Mean Age: 49 years
- Maximum Age: 100 years
- Hospitalized Minimum Age: 44 years
- Hospitalized Mean Age: 70 years
- Hospitalized Maximum Age: 89 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 characterized 282 influenza viruses from May 21 – November 11, 2017
  - 100% of influenza A/H1N1 samples match the vaccine strain
  - 97.0% of influenza A/H3 samples match the vaccine strain
  - 66.7% 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: 0
- Total outbreaks 2017-18 season: 1

Influenza-Like Illness Outbreaks by Facility Type – Maine, 2017-18

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<thead>
<tr>
<th>Facility Type</th>
<th>Androscoggin</th>
<th>Aroostook</th>
<th>Cumberland</th>
<th>Franklin</th>
<th>Hancock</th>
<th>Kennebec</th>
<th>Knox</th>
<th>Lincoln</th>
<th>Oxford</th>
<th>Penobscot</th>
<th>Piscataquis</th>
<th>Sagadahoc</th>
<th>Somerset</th>
<th>Waldo</th>
<th>Washington</th>
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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

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/](http://www.cdc.gov/flu/weekly/)

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