Maine Weekly Influenza Surveillance Report
March 26, 2019

For MMWR week 12 (ending 03/23/2019)

Federal Flu Code: Widespread

Surveillance Information – Maine, 2018-2019 Influenza Season

- Number of ILINet Providers reporting: 49
  - % of visits for Influenza-Like Illness (ILI): 3.0
- Syndromic Surveillance
  - % of Emergency Room visits for ILI: 4.7
  - % of Emergency Medical Services (EMS) runs for ILI: 1.8

Influenza Hospitalizations

- # of hospitalizations: 74

Pneumonia and Influenza (P&I) Deaths

- % of deaths due to P&I: 13.8
- # influenza deaths reported this week: 4
- Total influenza deaths this season: 33

*This number represents the number of individuals who had influenza specifically listed on their death certificate. This is likely an underrepresentation of the true burden, as many influenza-associated deaths are due to secondary infections. This is why Maine CDC reports Pneumonia and Influenza (P&I) deaths.

All data is preliminary and subject to change
Lab Data – Maine, 2018-2019 Influenza Season

- # of samples tested at HETL: 19
  - # positive: 14
  - % positive: 74
- # of samples tested at Maine Reference Labs: 762
  - # positive: 227
  - % positive: 29.8
- # of samples positive by rapid antigen test: 279

Positive PCR Samples for Influenza, HETL – Maine, 2018-19

Positive Samples for Influenza, Maine Reference Labs – Maine, 2018-19

Positive Influenza Rapid Antigen Tests – Maine, 2018-19

Cumulative Influenza Positive Tests by Strain, HETL – Maine, 2018-19

Antiviral Resistance – Maine, 2018-19 Influenza Season

- # of Influenza A (pH1N1) samples tested for Tamiflu resistance at HETL: 147
  - # with resistance: 0
- # of Influenza A (H3) samples tested for Tamiflu resistance at HETL: 10
  - # with resistance: 0

All data is preliminary and subject to change
## Geographic Distribution of Lab Tests, Maine 2018-19*

<table>
<thead>
<tr>
<th>County</th>
<th>Positive labs Tested this week</th>
<th>Positive labs Total</th>
<th>New this week</th>
<th>Hospitalizations Tested this week</th>
<th>Hospitalizations Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Androscoggin</td>
<td>101</td>
<td>1120</td>
<td>3</td>
<td>79</td>
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<tr>
<td>Aroostook</td>
<td>60</td>
<td>553</td>
<td>6</td>
<td>22</td>
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<tr>
<td>Cumberland</td>
<td>88</td>
<td>1076</td>
<td>16</td>
<td>172</td>
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<td>Franklin</td>
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<td>266</td>
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<td>Hancock</td>
<td>47</td>
<td>299</td>
<td>12</td>
<td>36</td>
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<td>Oxford</td>
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<td>438</td>
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<tr>
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<td>1034</td>
<td>12</td>
<td>96</td>
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<td>Waldo</td>
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<td>Washington</td>
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<td>114</td>
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<td><strong>Total</strong></td>
<td>776</td>
<td>7816</td>
<td>74</td>
<td>824</td>
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</table>

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

## Positive Influenza Tests, Maine 2018-19

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### Age Information – Maine, 2018-19 Influenza Season

<table>
<thead>
<tr>
<th>Age Information – Maine, 2018-19 Influenza Season</th>
<th>Cases</th>
<th>Hospitalizations</th>
<th>Deaths</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minimum Age</td>
<td>2 days</td>
<td>2 days</td>
<td>40 years</td>
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<tr>
<td>Mean Age</td>
<td>34 years</td>
<td>60 years</td>
<td>75 years</td>
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<tr>
<td>Maximum Age</td>
<td>102 years</td>
<td>102 years</td>
<td>98 years</td>
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### Positive Influenza Tests by Age – Maine, 2018-19

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All data is preliminary and subject to change
Antigenic Characterization (Vaccine Strain Match)
- Federal CDC has antigenically or genetically characterized 1656 influenza viruses from September 30–March 16, 2019.
  - 96.9% of influenza A/H1N1 samples match the vaccine strain
  - 60.5% of influenza A/H3N2 samples match the vaccine strain
  - 81.5% of influenza B/Victoria samples match the vaccine strain
  - 100% of influenza B/Yamagata samples match the vaccine strain
- Antigenic characterization shows if the circulating strains are the same strains that were used to make the vaccine. This does not tell you how effective the vaccine is at creating an immune response. For current vaccine effectiveness rates visit https://www.cdc.gov/mmwr/volumes/68/wr/mm6806a2.htm.

Influenza-Like Illness Outbreaks – Maine, 2018-19 Influenza Season
- # new outbreaks: 8
- Total outbreaks 2018-19 season: 73

Influenza-Like Illness Outbreaks by Facility Type – Maine, 2018-19

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

<table>
<thead>
<tr>
<th>County</th>
<th>LTC</th>
<th>AC</th>
<th>K12</th>
<th>Univ</th>
<th>HCW</th>
<th>Inst</th>
<th>Camp</th>
<th>Total</th>
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<tr>
<td>Androscoggin</td>
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National Influenza Surveillance Data
Source: https://www.cdc.gov/flu/weekly/

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