Maine Weekly Influenza Surveillance Report
November 22, 2016

For MMWR week 46 (ending 11/19/2016)

New This Week

- Federal Flu Code: Local
- 1 new outbreak reported in a long term care facility

Surveillance Information – Maine, 2016-2017 Influenza Season

- Number of ILINet Providers reporting: 20
  - % of visits for Influenza-Like Illness (ILI): 0.99
- Syndromic Surveillance
  - % of Emergency Room visits for ILI: 1.1
  - % of Emergency Medical Services (EMS) runs for ILI: 1.6
- Number of Hospitals reporting: 2
  - % of admissions due to Pneumonia & Influenza (P&I): 2.8
- Electronic Death Reporting System
  - % of deaths due to P&I: no data
Lab Data – Maine, 2016-2017 Influenza Season
- # of samples tested at HETL: 14
  - # positive: 0
  - % positive: 0
- # of samples tested at Maine Reference Labs: 33
  - # positive: 0
  - % positive: 0
- # of samples positive by rapid antigen test: 4

Positive PCR Samples for Influenza, HETL – Maine, 2016-17

Positive Samples for Influenza, Maine Reference Labs – Maine, 2016-17

Positive Influenza Rapid Antigen Tests – Maine, 2016-17

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>Tested this week</th>
<th>Total</th>
<th>New this week</th>
<th>Total</th>
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<td><strong>Total</strong></td>
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<td><strong>17</strong></td>
<td><strong>1</strong></td>
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*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

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: 2
  - # with resistance: 0

Age and Gender Information – Maine, 2016-17 Influenza Season
- Minimum Age: 6 years
- Mean Age: 55 years
- Maximum Age: 90 years
- Hospitalized Minimum Age: 74 years
- Hospitalized Mean Age: 82 years
- Hospitalized Maximum Age: 90 years
Antigenic Characterization (Vaccine Match)
- Federal CDC antigenically characterized 182 influenza viruses between May 22 – November 12, 2016
  - 100% of influenza A/H1N1 samples match the vaccine strain
  - 85.9% of influenza A/H3 samples match the vaccine strain
  - 100% of influenza B/Yamagata samples match the vaccine strain
  - 100% of influenza B/Victoria samples match the vaccine strain

Influenza-Like Illness Outbreaks – Maine, 2016-17 Influenza Season
- # new outbreaks: 1
- Total outbreaks 2016-17 season: 1

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

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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>
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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 2016-17 influenza season
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 45 ending Nov 12, 2016

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

FLUVIEW
A Weekly Influenza Surveillance Report Prepared by the Influenza Division
Weekly Influenza Activity Estimates Reported by State and Territorial Epidemiologists*
Week Ending November 12, 2016 - Week 45

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

All data is preliminary and subject to change