Maine Weekly Influenza Surveillance Report
December 28, 2016

For MMWR week 51 (ending 12/24/2016)

New This Week

- Federal Flu Code: Sporadic
- One new hospitalization in Cumberland County reported

Surveillance Information – Maine, 2016-2017 Influenza Season

- Number of ILINet Providers reporting: 22
  - % of visits for Influenza-Like Illness (ILI): 0.72
- Syndromic Surveillance
  - % of Emergency Room visits for ILI: 1.2
  - % of Emergency Medical Services (EMS) runs for ILI: 1.2
- Number of Hospitals reporting: 2
  - % of admissions due to Pneumonia & Influenza (P&I): 1.9
- Electronic Death Reporting System
  - % of deaths due to P&I: no data

Outpatient Visits for ILI – Maine, 2015-17

Syndromic Surveillance data for ILI – Maine, 2015-17

Hospital Admissions Due to P&I – Maine, 2015-17

Deaths Attributable to P&I – Maine, 2015-17

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

- # of samples tested at HETL: 10
  - # positive: 5
  - % positive: 50.0
- # of samples tested at Maine Reference Labs: 41
  - # positive: 6
  - % positive: 14.6
- # of samples positive by rapid antigen test: 1

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.
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Geographic Distribution of Lab Tests, Maine
2016-17*

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<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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*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: 3
  - # with resistance: 0

Age and Gender Information – Maine, 2016-17 Influenza Season
- Minimum Age: 6 years
- Mean Age: 43 years
- Maximum Age: 90 years
- Hospitalized Minimum Age: 47 years
- Hospitalized Mean Age: 75 years
- Hospitalized Maximum Age: 90 years

Positive Influenza Tests by Age – Maine, 2016-17

Positive Influenza Tests by Gender – Maine, 2016-17

All data is preliminary and subject to change
Antigenic Characterization (Vaccine Match)
- Federal CDC has antigenically characterized 89 influenza viruses since October 1, 2016
  - 100% of influenza A/H1N1 samples match the vaccine strain
  - 92.9% of influenza A/H3 samples match the vaccine strain
  - 85.7% of influenza B/Victoria samples match the vaccine strain
  - 100% of influenza B/Yamagata samples match the vaccine strain

Influenza-Like Illness Outbreaks – Maine, 2016-17 Influenza Season
- # new outbreaks: 0
- Total outbreaks 2016-17 season: 1

Pediatric Influenza Deaths
- No pediatric influenza-associated deaths reported during the 2016-17 influenza season
All data is preliminary and subject to change