

Maine Weekly Influenza Surveillance Report

January 16, 2008

Synopsis

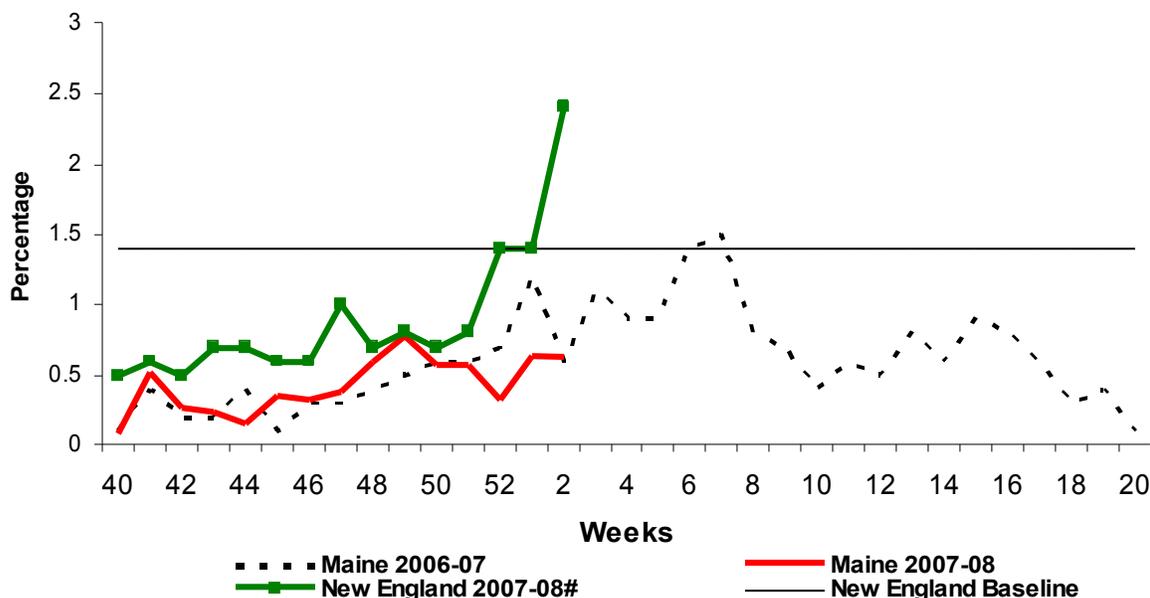
During the week ending January 12, 2008 (MMWR week 2)*, Maine reported sporadic influenza activity.

Moderate Disease Surveillance

Outpatient influenza-like illness (ILI)

During the week ending January 12, 2008 (week 2), 0.6% of outpatient visits reported by ten Maine Sentinel Providers were for influenza-like illness (ILI), defined as fever ($\geq 100^{\circ}$ F / $\geq 37.8^{\circ}$ C) and cough or sore throat in the absence of a known cause. In the New England States, 2.4% of outpatient visits were attributed to influenza-like illness during week 2.

Outpatient Visits for Influenza-like Illness -- Maine, 2006-08



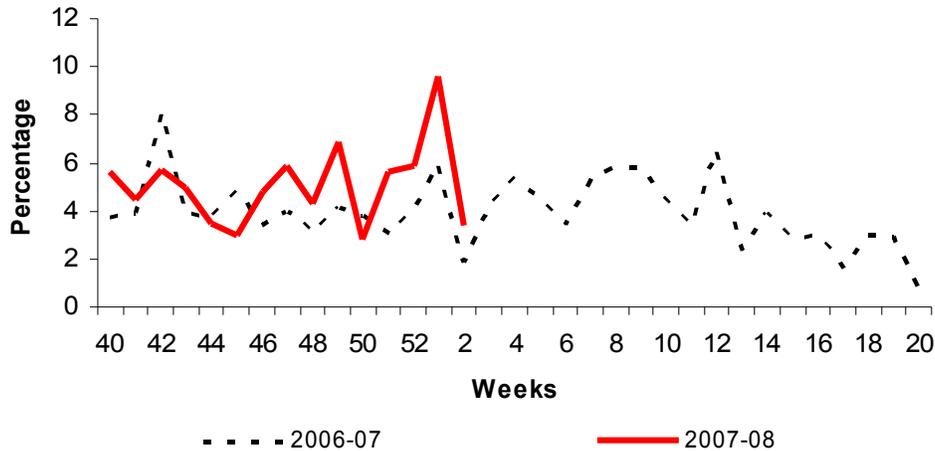
New England is defined as Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont.

Severe Disease Surveillance

Hospital inpatients

During the week ending January 12, 2008 (week 2), 3.4% of hospital admissions reported by three hospitals were attributable to pneumonia or influenza. This is a decrease from week 1 when 9.6% of hospital admissions were attributable to pneumonia or influenza.

Hospital Admissions Due to Pneumonia or Influenza -- Maine, 2006-08

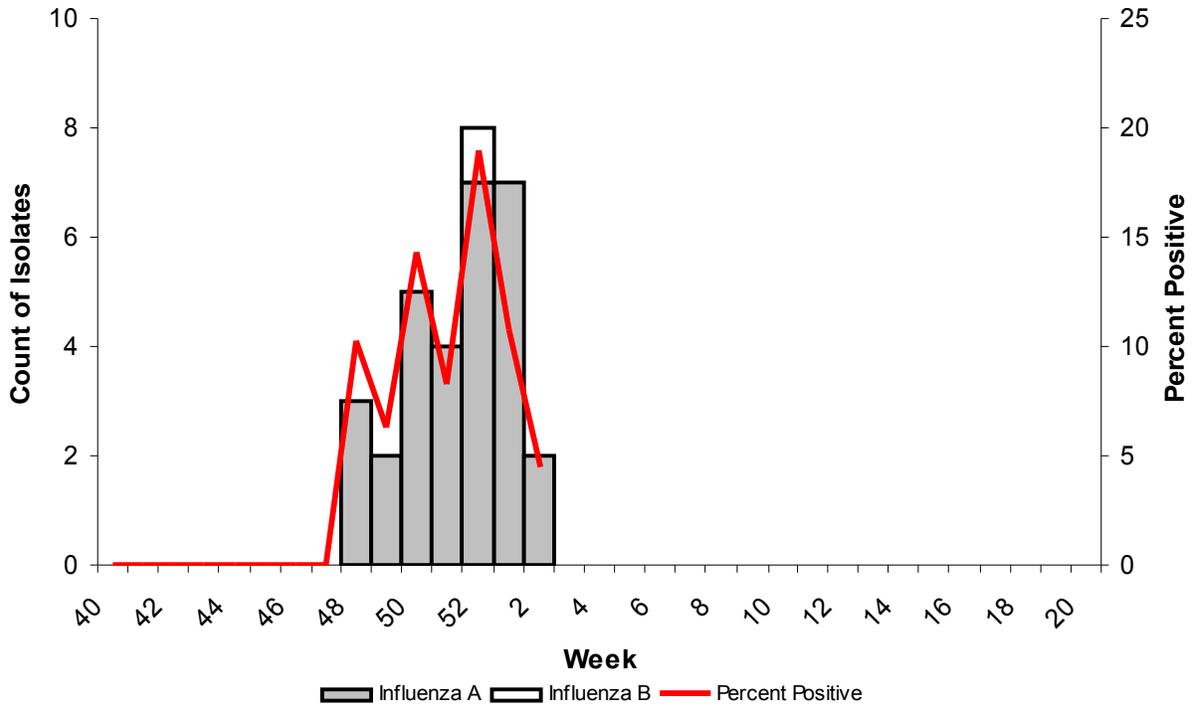


Laboratory Reporting

During the week ending January 12, 2008 (week 2), seven respiratory specimens were submitted to the Maine Health and Environmental Testing Laboratory (HETL) for influenza testing; results were positive for one (14.2%) specimen and are pending for the remaining six specimens. As of January 12, 2008 (week 2), a cumulative total of 92 respiratory specimens had been submitted to the Maine Health and Environmental Testing Laboratory (HETL) for influenza testing. To date, four (4.3%) specimens were positive for influenza A, two (2.2%) specimens were positive for parainfluenza-2, and one (1.1%) specimen was positive for parainfluenza-1. Results are pending on 13 specimens; the remaining specimens tested negative.

Two private reference laboratories in Maine reported for the week ending January 12, 2008 (week 2). Two (4.5%) of 44 specimens were positive for influenza A. In addition 13 specimens were positive for RSV and 1 specimen was positive for adenovirus. As of January 12, 2008, a cumulative total of 426 respiratory specimens had been submitted to two private reference laboratories in Maine. Of these, 30 (7.0%) specimens were positive for influenza A and one (0.2%) was positive for influenza B. Fifty-five (12.9%) specimens were positive for RSV, nine (2.1%) specimens were positive for parainfluenza-1, nine (2.1%) specimens were positive for parainfluenza-2, three (0.7%) specimens were positive for parainfluenza-3, five (1.1%) specimens was positive for adenovirus, three (0.7%) specimens were positive for enterovirus, and the remaining specimens were negative.

Respiratory Specimens Positive for Influenza from Two Reference Laboratories – Maine, 2007-08



Outbreaks

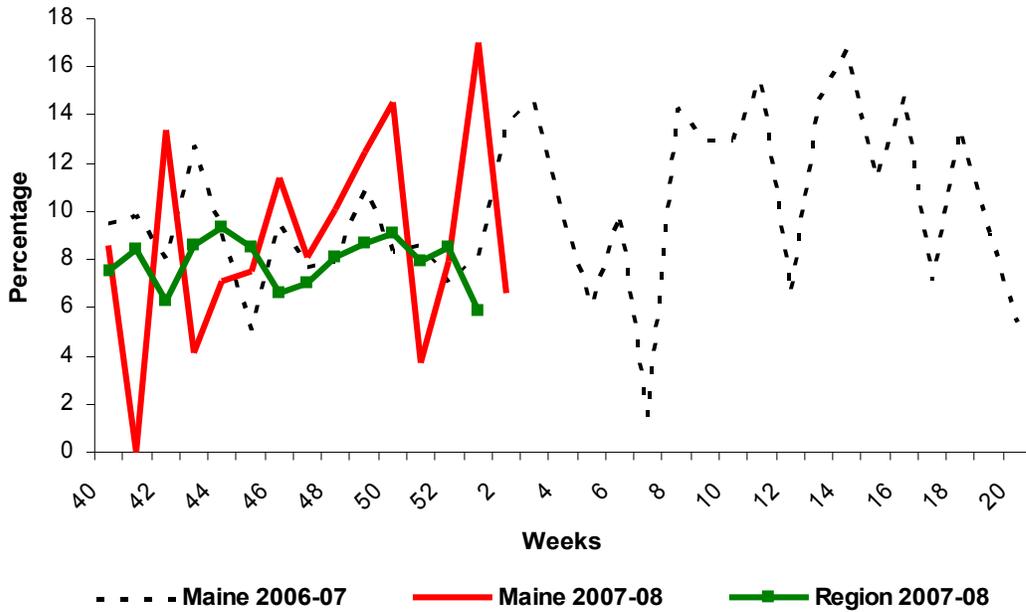
The first outbreak of the season was reported on December 27 in a long-term care facility in the Midcoast region. Approximately 9% of residents were ill. None were hospitalized. No staff were reported to be ill. Influenza immunization for residents was 100%; approximately 55% of staff were immunized. Influenza type A was identified by a rapid antigen test.

Fatalities Surveillance

Death Certificates

During the week ending January 12, 2008 (week 2), 6.6% of deaths reported by three city vital records offices were attributable to pneumonia and influenza.

**Percentage of Deaths Attributable to Pneumonia and Influenza –
Maine, New England and the United States, 2006-08**



^ New England includes the following reporting areas: Boston, MA; Bridgeport, CT; Cambridge, MA; Fall River, MA; Hartford, CT; Lowell, MA; Lynn, MA; New Bedford, MA; New Haven, CT; Providence, RI; Somerville, MA; Springfield, MA; Waterbury, CT; Worcester, MA.

Pediatric Fatalities

No influenza-associated pediatric deaths have been reported in Maine this season.

National Influenza Activity

State health departments report the estimated level of influenza activity in their states each week. States report influenza activity as: 1) no activity, 2) sporadic, 3) local, 4) regional, or 5) widespread (definitions of these levels can be found at: www.cdc.gov/flu/weekly/usmap.htm). Maine reported sporadic influenza activity for the week ending January 5, 2008 (week 1). For the week ending January 12, 2008 (week 2), Maine reported sporadic activity.

FLUVIEW



A Weekly Influenza Surveillance Report Prepared by the Influenza Division
Weekly Influenza Activity Estimates Reported by State and Territorial Epidemiologists*

Week Ending January 05, 2008- Week 1



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