

Maine Weekly Influenza Surveillance Report

January 30, 2007

Synopsis

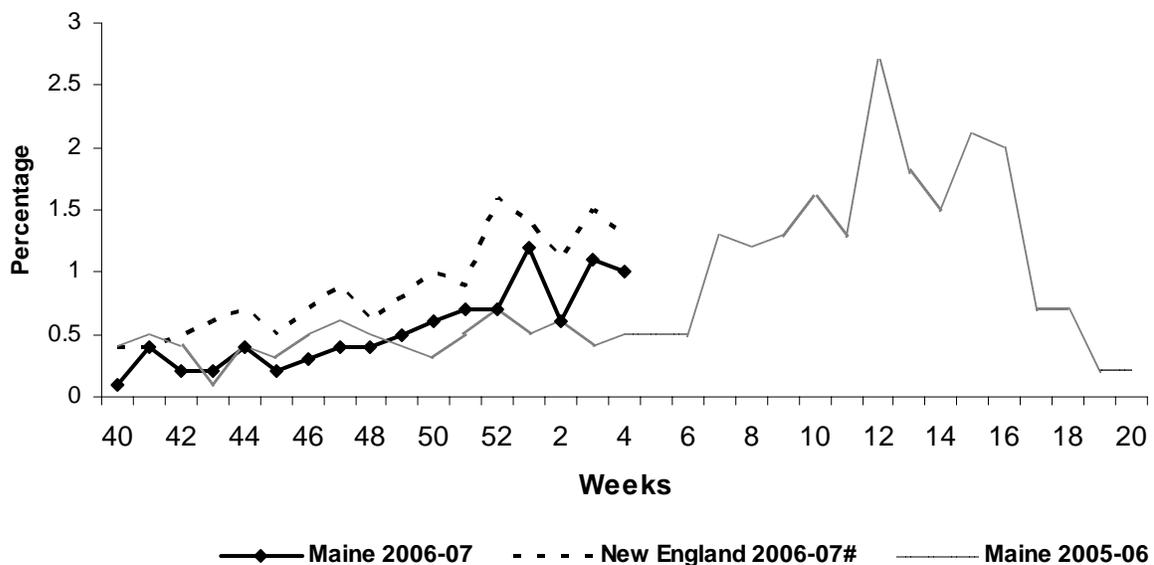
During the week ending January 27, 2007 (MMWR week 4)*, local influenza activity was reported in Maine. Laboratory-confirmed influenza has been detected in several regions of the state.

Moderate Disease Surveillance

Outpatient influenza-like illness (ILI)

During the week ending January 27, 2007, 1.0% of sentinel provider outpatient visits were due to ILI (range 0% - 3.8%).

Outpatient Visits for Influenza-like Illness -- Maine, 2005-07



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

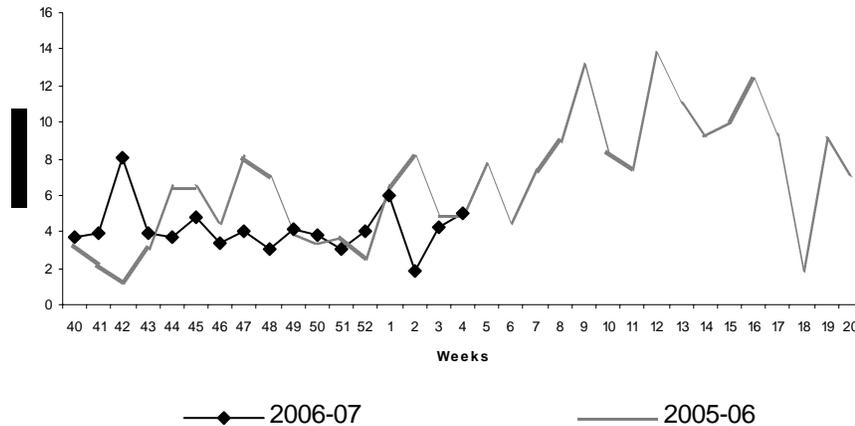
Severe Disease Surveillance

Hospital inpatients

During the week ending January 20, 2007 (week 3), 4.2% of admissions reported by four hospitals were due to respiratory illness (range 0.8% - 7.1%). During the week ending January 27, 2007 (week 4), 5.0% of admissions reported by three hospitals were due to respiratory illness (range 2.0% -- 6.7%).

* At time of publication, reporting may be incomplete. Numbers presented here may change as more reports are received.

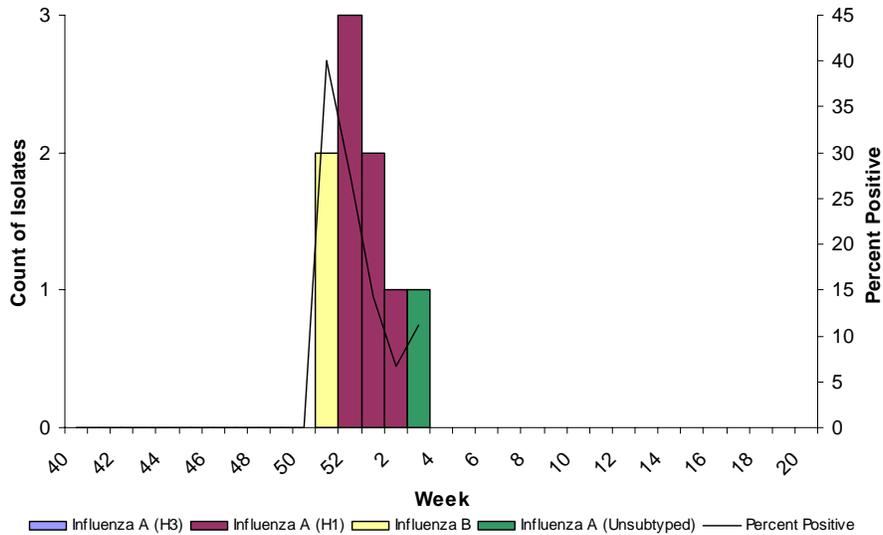
Hospital Admissions due to Respiratory Illness -- Maine, 2005-07



Laboratory Reporting

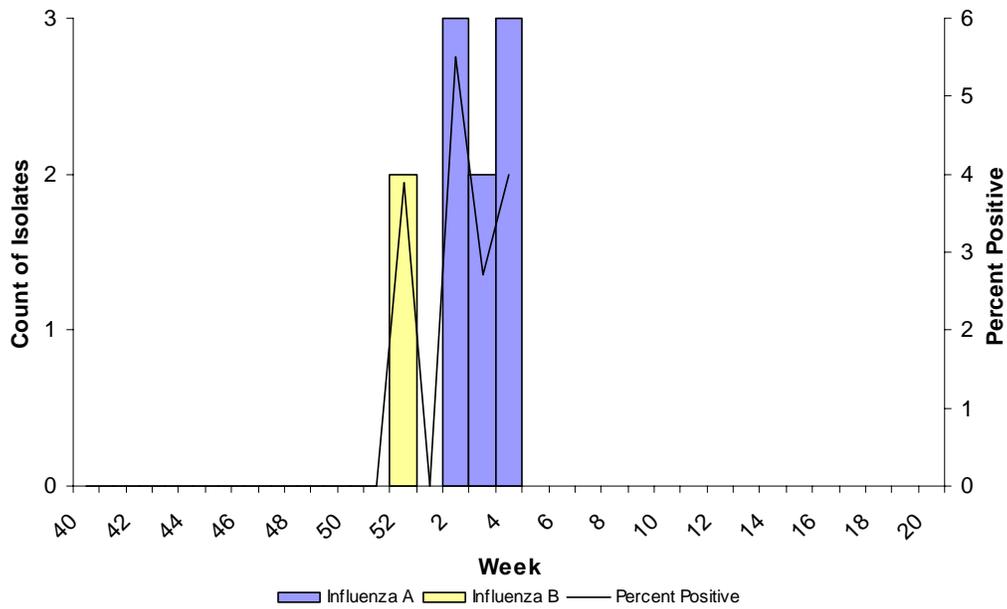
During the week ending January 27, 2007, seven respiratory specimens were submitted to the Maine Health and Environmental Testing Laboratory (HETL) for influenza culture; results are pending on these specimens. An additional two respiratory specimens were submitted to HETL for influenza PCR during the week of January 27, 2007; these specimens were negative. As of January 27, 2007, a total of 110 respiratory specimens have been submitted for culture and/or PCR to HETL since October when the influenza surveillance season began. Of these specimens, nine (8.2%) were culture or PCR-positive for influenza (five for influenza A [H1], two for influenza A [unsubtyped] and two for influenza B/Malaysia/2506/2004-like), three specimens were presumptive positive for enterovirus, results are pending for 21 specimens, and the remaining specimens were negative.

Respiratory Specimens Culture and/or PCR-Positive for Influenza – Maine Health and Environmental Testing Laboratory, 2006-07



During the week ending January 27, 2007, a total of 75 respiratory specimens were submitted to two private reference laboratories in Maine. Of these, three specimens (4.0%) were positive for influenza A, 23 specimens were positive for respiratory syncytial virus (RSV), and the remaining specimens were negative. As of January 27, 2007, a total of 535 respiratory specimens have been submitted for viral testing to two reference laboratories in Maine since October when the influenza surveillance season began. Ten specimens (1.9%) were positive for influenza (8 for influenza A and 2 for influenza B), 68 (12.7%) specimens were positive for RSV, 1 (0.2%) specimen was positive for parainfluenza-3, 8 (1.5%) specimens were positive for adenovirus, 9 (1.7%) specimens were positive for enterovirus, and the remaining specimens were negative.

Respiratory Specimens Positive for Influenza – Two



Outbreaks

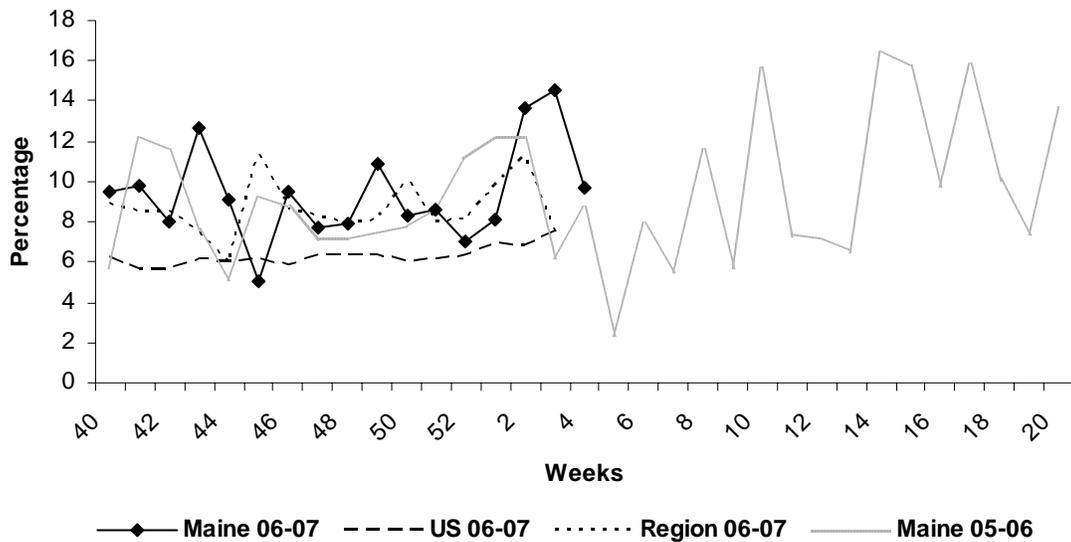
As of January 27, 2007, one outbreak of influenza associated illness was reported in a Midcoast region long-term care facility. Four respiratory specimens submitted from patients ill at this facility were negative for influenza.

Fatalities Surveillance

Death Certificates

During the week ending January 27, 2007, 9.7% of deaths reported by three city vital records offices were attributable to pneumonia and influenza (range 0% - 12.9%).

Percentage of Deaths Attributable to Pneumonia and Influenza – Maine, New England and the United States, 2005-07



^ 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

As of January 27, 2007, 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 20, 2007.

