

Maine Weekly Influenza Surveillance Report

January 18, 2007

Synopsis

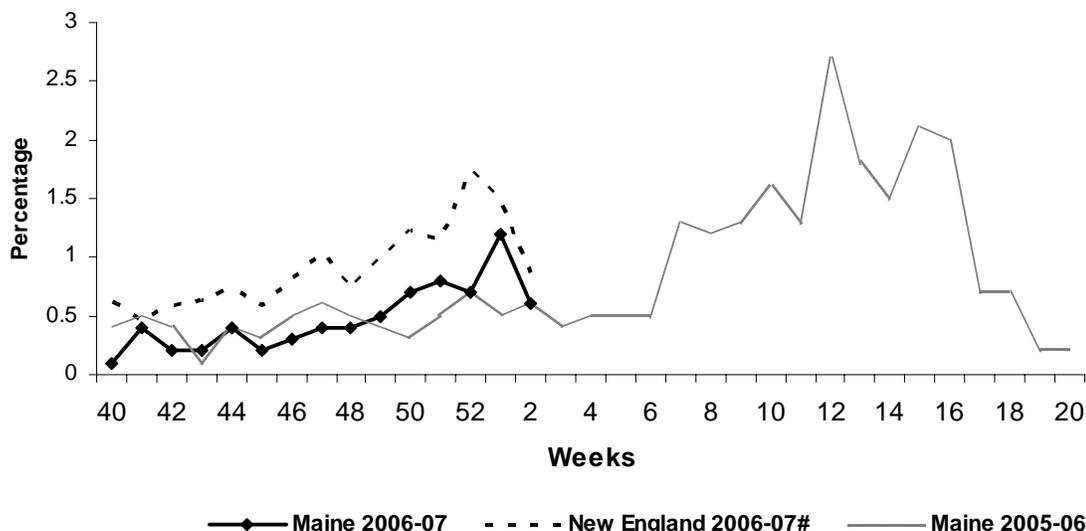
During the week ending January 13, 2007 (MMWR week 2)*, sporadic influenza activity was reported in Maine. Nine cases of influenza have been laboratory confirmed to date. Moderate increases in outpatient influenza-like illness visits, inpatient admissions for respiratory illness and influenza and pneumonia-associated deaths have been observed over the past several weeks.

Moderate Disease Surveillance

Outpatient influenza-like illness (ILI)

During the week ending January 13, 2007, 0.6% of sentinel provider outpatient visits were due to ILI (range 0% - 3.3%).

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



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

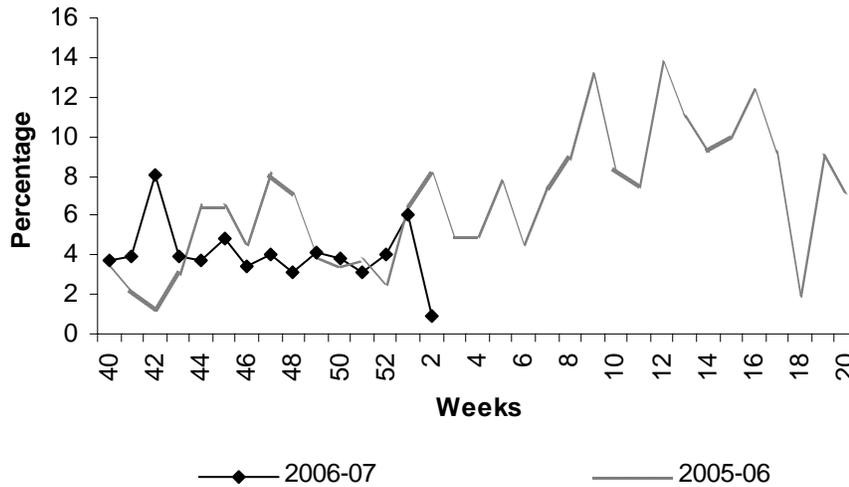
Severe Disease Surveillance

Hospital inpatients

During the week ending January 6, 2007 (week 1), 6.0% of admissions reported by four hospitals were due to respiratory illness (range 2.0% - 11.3%). During the week ending January 13, 2007 (week 2), 0.9% of admissions reported by two hospitals were due to respiratory illness (range 0% - 1.7%).

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

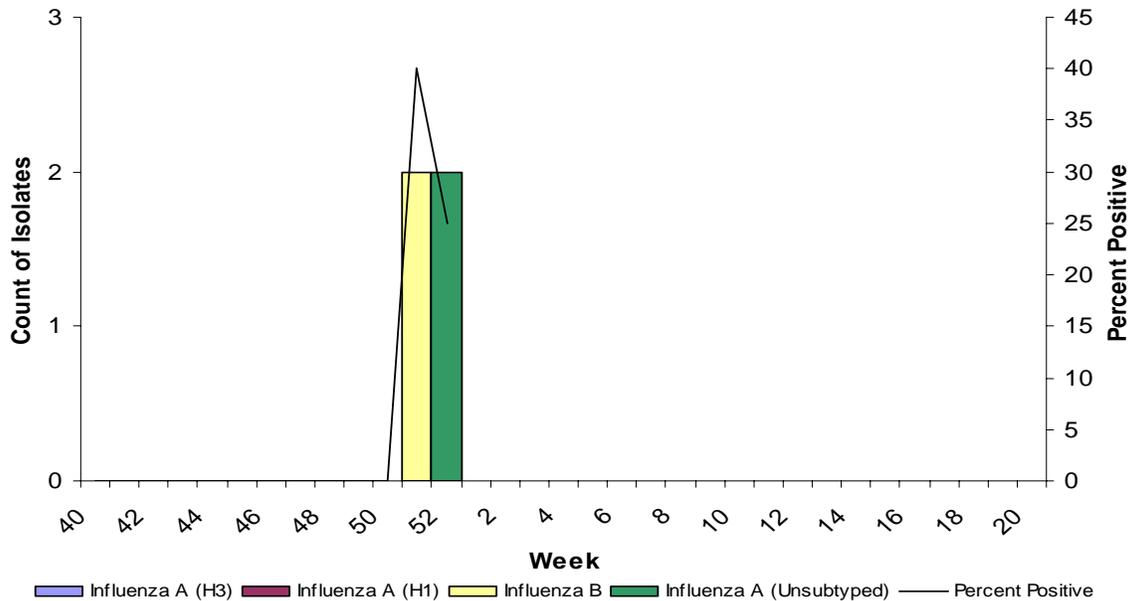
Hospital Admissions due to Respiratory Illness -- Maine, 2005-07



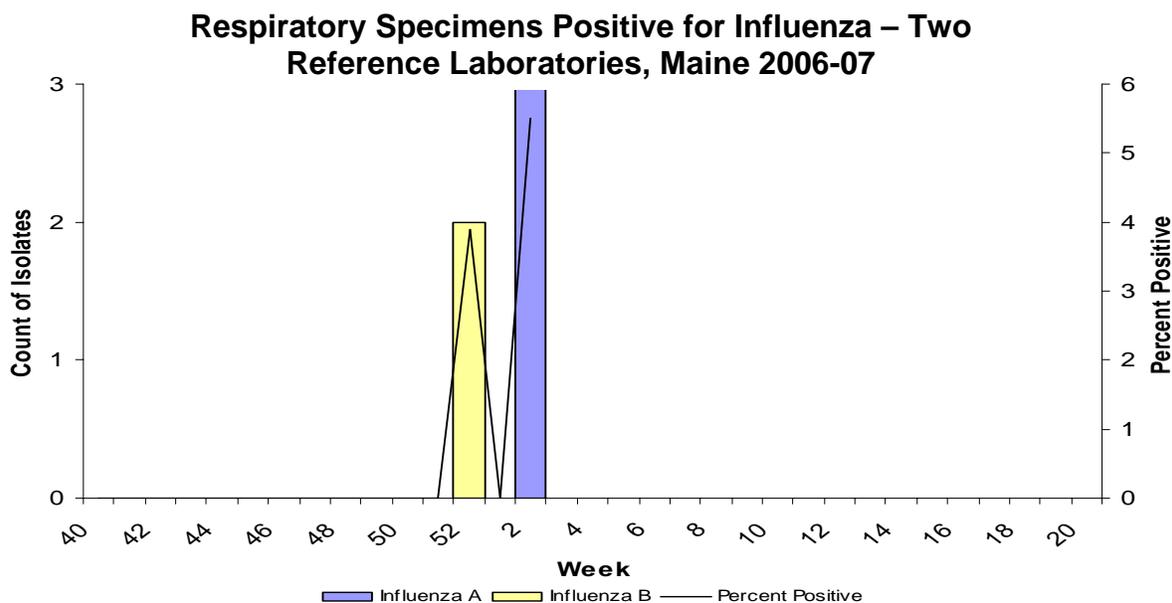
Laboratory Reporting

During the week ending January 13, 2007, six respiratory specimens were submitted to the Maine Health and Environmental Testing Laboratory (HETL); results are pending on these specimens. As of January 13, 2007, a total of 73 respiratory specimens have been submitted for viral testing to HETL since October when the influenza surveillance season began. Of these, four specimens (5.5%) were positive for influenza (2 for influenza A [H1] and 2 for influenza B/Malaysia/2506/2004-like), three specimens were presumptive positive for enterovirus, results are pending for 11 specimens, and the remaining specimens were negative.

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



During the week ending January 13, 2007, a total of 55 respiratory specimens were submitted to two private reference laboratories in Maine. Of these, three specimens (5.5%) were positive for influenza, 6 specimens were positive for respiratory syncytial virus (RSV), and the remaining specimens were negative. As of January 13, 2007, a total of 387 respiratory specimens have been submitted for viral testing to two reference laboratories in Maine since October when the influenza surveillance season began. Five specimens (1.3%) were positive for influenza (3 for influenza A and 3 for influenza B), 31 (8.0%) specimens were positive for RSV, 1 (0.2%) specimen was positive for parainfluenza-3, 8 (2.1%) specimens were positive for adenovirus, 9 (2.3%) specimens were positive for enterovirus, and the remaining specimens were negative.

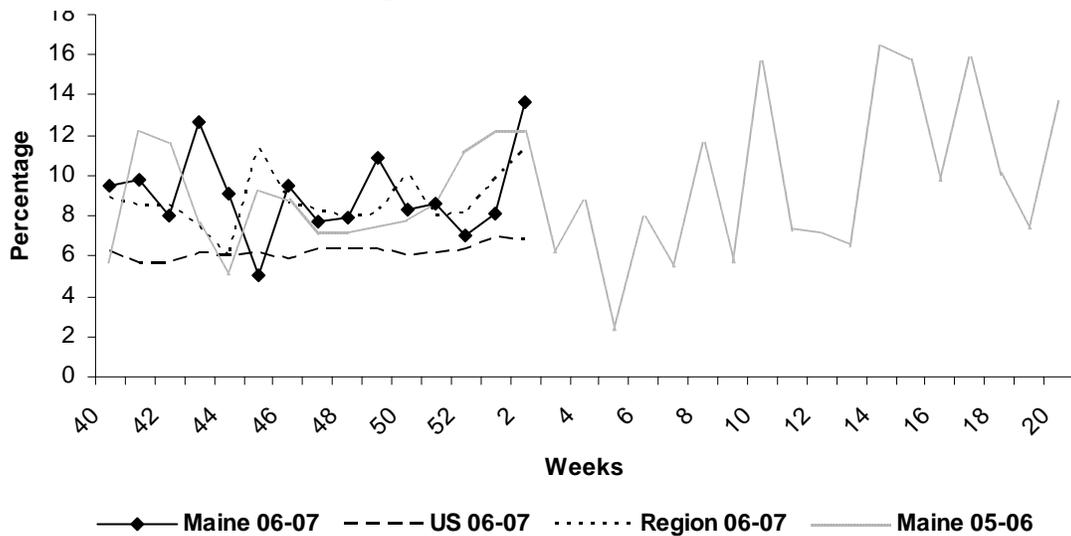


Fatalities Surveillance

Death Certificates

During the week ending January 13, 2007, 13.6% of deaths reported by three city vital records office were attributable to pneumonia and influenza (range 5.6% - 26.1%).

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 13, 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 13, 2007.

