Maine Weekly Influenza Surveillance Report

January 24, 2007

Synopsis

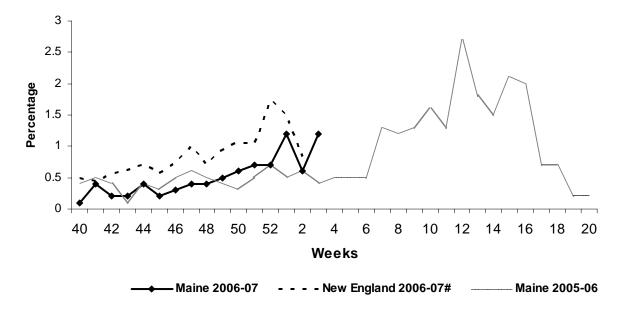
During the week ending January 20, 2007 (MMWR week 3)*, local influenza activity was reported in Maine. Laboratory-confirmed influenza has been detected in several regions of the state.

Moderate Disease Surveillance

Outpatient influenza-like illness (ILI)

During the week ending January 20, 2007, 1.2% of sentinel provider outpatient visits were due to ILI (range 0% - 3.7%).

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



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

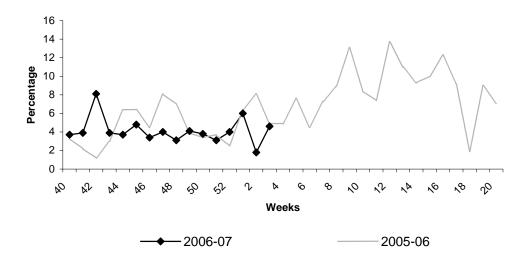
Severe Disease Surveillance

Hospital inpatients

During the week ending January 13, 2007 (week 2), 1.8% of admissions reported by three hospitals were due to respiratory illness (range 0.0% - 3.6%). During the week ending January 20, 2007 (week 3), 4.6% of admissions reported by three hospitals were due to respiratory illness (range 0.8% - 7.1%).

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

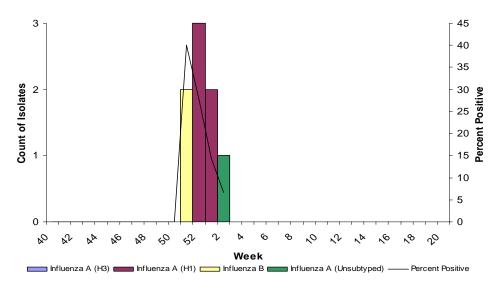
Hospital Admissions due to Respiratory Illness -- Maine, 2005-07



Laboratory Reporting

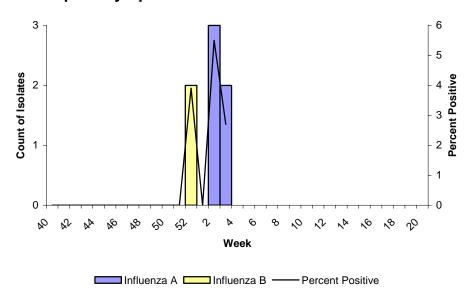
During the week ending January 20, 2007, seven respiratory specimens were submitted to the Maine Health and Environmental Testing Laboratory (HETL); results are pending on these specimens. As of January 20, 2007, a total of 97 respiratory specimens have been submitted for viral testing to HETL since October when the influenza surveillance season began. Of these, eight specimens (8.2%) were culture or PCR-positive for influenza (five for influenza A [H1], one for influenza A [unsubtyped] and two for influenza B/Malaysia/2506/2004-like), three specimens were presumptive positive for enterovirus, results are pending for 22 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 20, 2007, a total of 73 respiratory specimens were submitted to two private reference laboratories in Maine. Of these, two specimens (2.7%) were positive for influenza, 14 specimens were positive for respiratory syncytial virus (RSV), and the remaining specimens were negative. As of January 20, 2007, a total of 460 respiratory specimens have been submitted for viral testing to two reference laboratories in Maine since October when the influenza surveillance season began. Seven specimens (1.5%) were positive for influenza (5 for influenza A and 2 for influenza B), 45 (9.8%) specimens were positive for RSV, 1 (0.2%) specimen was positive for parainfluenza-3, 8 (1.7%) specimens were positive for adenovirus, 9 (2.0%) specimens were positive for enterovirus. and the remaining specimens were negative.

Respiratory Specimens Positive for Influenza - Two

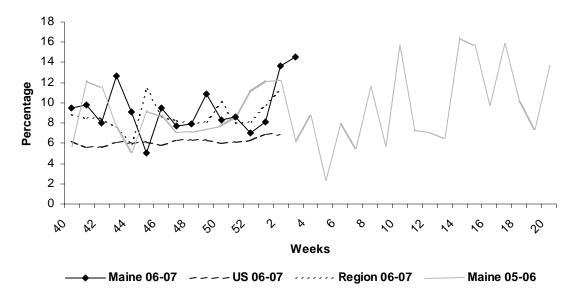


Fatalities Surveillance

Death Certificates

During the week ending January 20, 2007, 14.5% of deaths reported by three city vital records offices were attributable to pneumonia and influenza (range 11.8% - 16.1%).

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 20, 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.

