

# Maine Weekly Influenza Surveillance Report

May 1, 2012

For MMWR week 17 (ending 4/28/2012)

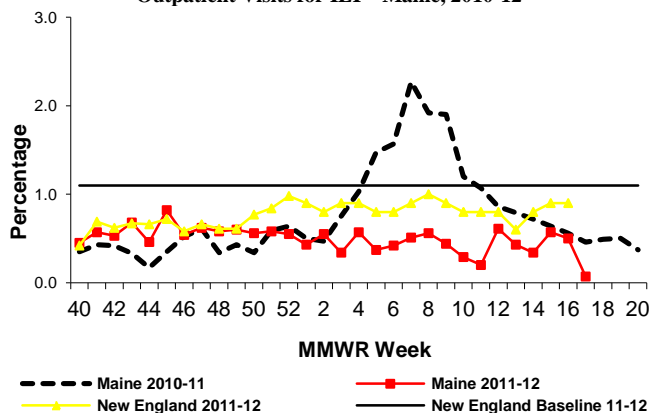
## New This Week

- Federal Flu Code: Regional
- Two new influenza outbreaks reported, both in long term care facilities

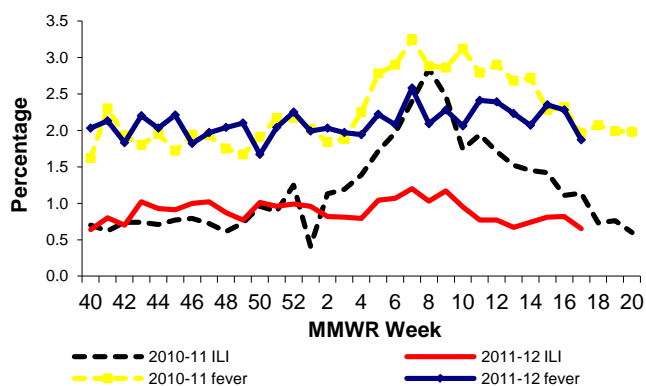
## Surveillance Information – Maine, 2011-2012 Influenza Season

- Number of ILINet Providers reporting: 16
  - % of visits for Influenza-Like Illness (ILI): 0.07
- Number of Emergency Departments participating: 24
  - % of visits for ILI: 0.65
  - % of visits for fever: 1.87
- Number of Hospitals reporting: 2
  - % of admissions due to Pneumonia & Influenza (P&I): 2.7
- Number of Vital Records Offices Reporting: 1
  - % of deaths due to P&I: 26.3

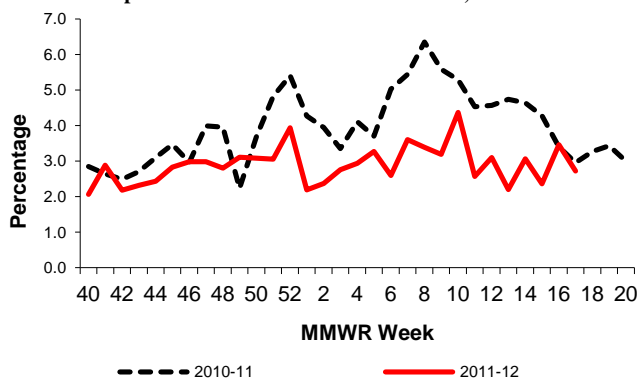
Outpatient Visits for ILI – Maine, 2010-12



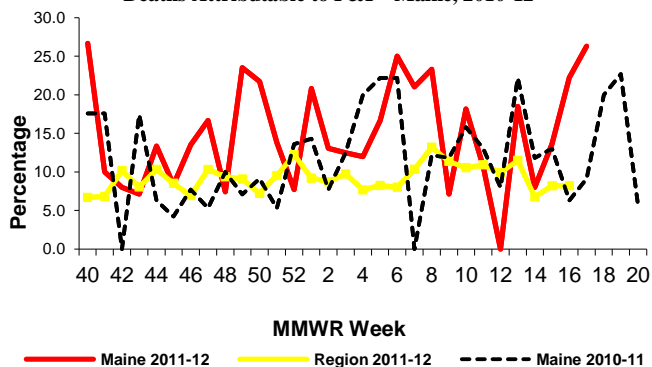
Emergency Department Visits for ILI and Fever – Maine, 2010 -12



Hospital Admissions Due to P&I – Maine, 2010-12



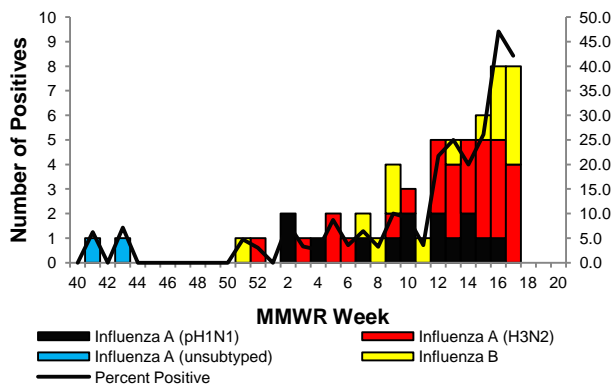
Deaths Attributable to P&I – Maine, 2010-12



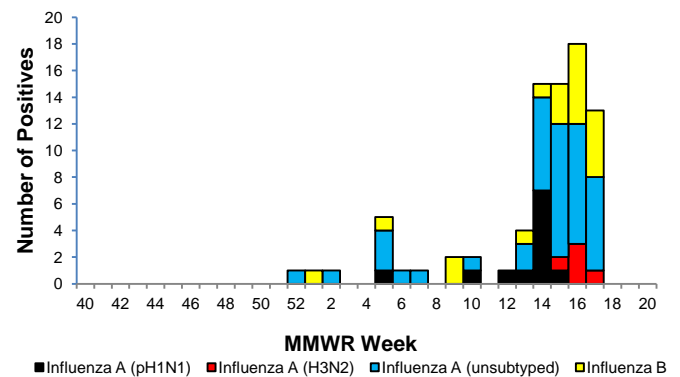
## Lab Data – Maine, 2011-2012 Influenza Season

- # of samples tested at HETL: 19
  - # positive: 8
  - % positive: 42.1
- # of samples tested at Maine Reference Labs: 56
  - # positive: 13
  - % positive: 23.2
- # of samples positive at National Reference Labs: 0
- # of samples positive by rapid antigen test: 4

Positive PCR Samples for Influenza, HETL – Maine, 2011-12



Positive PCR Samples for Influenza, Maine and National Reference Labs – Maine, 2011-2012



## Novel Influenza A Virus

- Maine confirmed two cases of variant influenza A virus. The first case was confirmed on October 17<sup>th</sup>, and the second case was confirmed October 31<sup>st</sup>. Both cases had multiple exposures to pigs. These cases are the 5<sup>th</sup> and 6<sup>th</sup> recognized cases of human infection with S-OtrH3N2 with the M segment gene from the pH1N1 virus. More information can be found in a Health Alert, released 10/19/2011 accessible through: <http://www.maine.gov/tools/whatsnew/attach.php?id=313425&an=1>.

## Antiviral Resistance – Maine, 2011-12 Influenza Season

- # of Influenza A (pH1N1) samples tested for Tamiflu resistance at HETL: 12
  - # with resistance: 0
- # of Influenza A(H3) samples tested for Tamiflu resistance at HETL: 14
  - # with resistance: 0

## Antigenic Characterization (Vaccine Match)

- Federal CDC has antigenically characterized 1,291 influenza viruses since October 1, 2011.
  - 98.3% of influenza A/pH1N1 samples matched the vaccine strain
  - 81.3% of influenza A/H3 samples matched the vaccine strain
  - 38.4% of influenza B samples matched the vaccine strain.

## Influenza-Like Illness Outbreaks – Maine, 2011-12 Influenza Season

- # new outbreaks: 2, both in long term care facilities
- Total outbreaks 2011-12 season: 10
  - 8 in long term care facilities, 1 in a K-12 school, 1 in a school (residential) or university

## Pediatric Influenza Deaths

- No pediatric influenza-associated deaths reported during the 2011-12 influenza season

## National Influenza Surveillance Data

Source: <http://www.cdc.gov/flu/weekly/>

**Influenza-Like Illness (ILI) Activity Level Indicator Determined by Data Reported to ILINet**  
**2011-12 Influenza Season Week 16 ending Apr 21, 2012**

