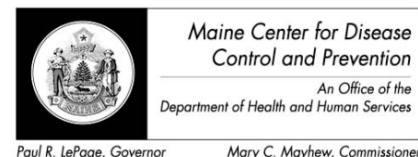


# Maine Weekly Influenza Surveillance Report

December 18, 2012



For MMWR week 50 (ending 12/15/12)

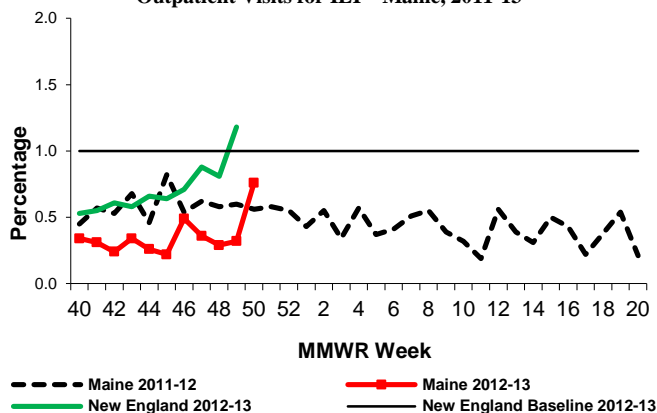
## New This Week

- Federal Flu Code: Widespread
- Three new outbreaks reported, 2 in long term care facilities, and 1 in an institution
- One pediatric influenza death reported

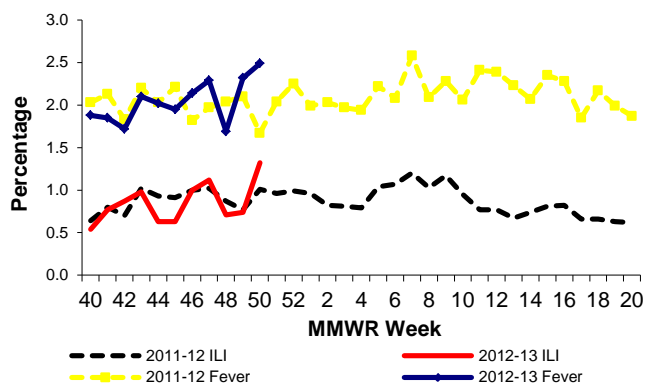
## Surveillance Information – Maine, 2012-2013 Influenza Season

- Number of ILINet Providers reporting: 20
  - % of visits for Influenza-Like Illness (ILI): 0.76
- Number of Emergency Departments participating: 26
  - % of visits for ILI: 1.32
  - % of visits for fever: 2.49
- Number of Hospitals reporting: 3
  - % of admissions due to Pneumonia & Influenza (P&I): 2.1
- Electronic Death Reporting System
  - % of deaths due to P&I: 9.1

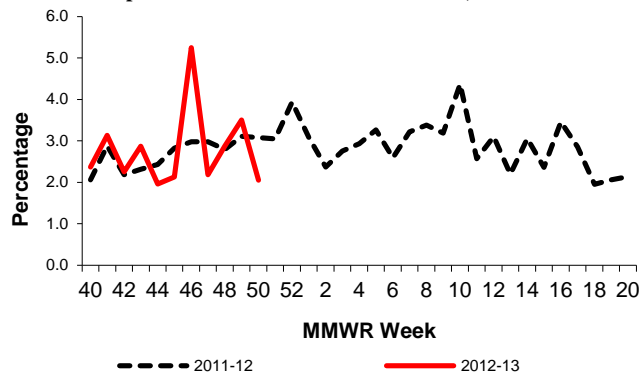
Outpatient Visits for ILI – Maine, 2011-13



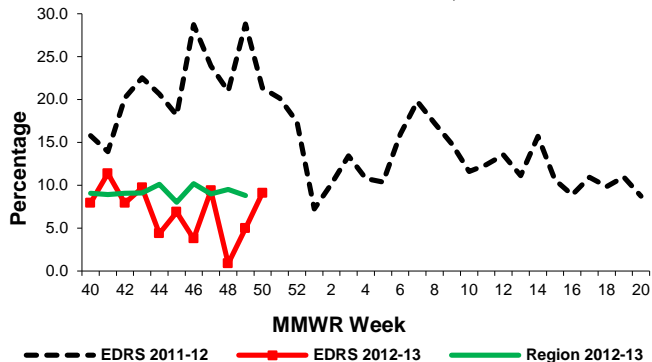
Emergency Department Visits for ILI and Fever – Maine, 2011 -13



Hospital Admissions Due to P&I – Maine, 2011-13



Deaths Attributable to P&I – Maine, 2011-13

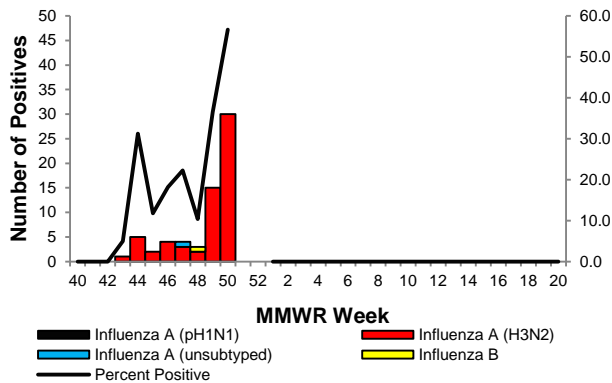


All data are preliminary and subject to change

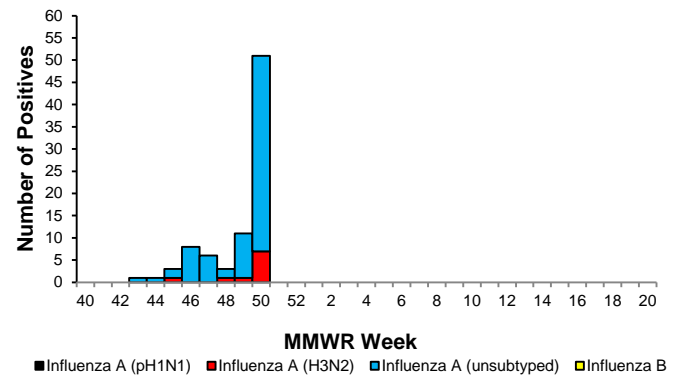
## Lab Data – Maine, 2012-2013 Influenza Season

- # of samples tested at HETL: 53
  - # positive: 30
  - % positive: 56.6
- # of samples tested at Maine Reference Labs: 120
  - # positive: 51
  - % positive: 43
- # of samples positive at National Reference Labs: 0
- # of samples positive by rapid antigen test: 26

Positive PCR Samples for Influenza, HETL – Maine, 2012-13



Positive PCR Samples for Influenza, Maine and National Reference Labs – Maine, 2012-13

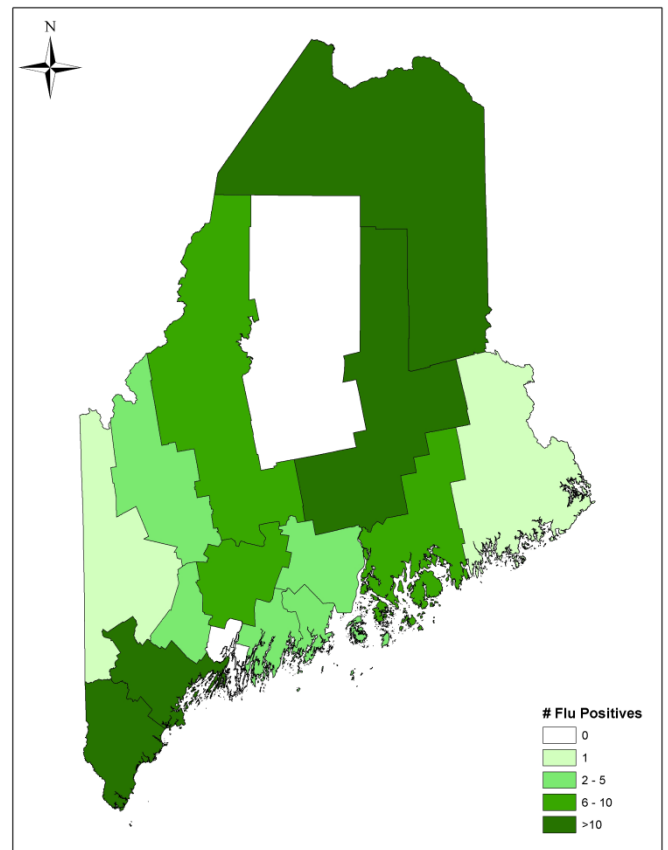


## Geographic Distribution of Lab Tests

Information about this map:

- Includes culture, PCR, and rapid antigen positive test results
- Aggregated lab data received from reference labs is not displayed on this map
- Influenza is not reportable, therefore this map is understood to be an underrepresentation of the true burden of influenza
- Only influenza tests reported on a patient level (with patient name and date of birth) are represented in this map
- If patient address is not received, the location of the ordering physician is used
- Does not include titer results as we cannot differentiate between infection and immunity

## Positive Influenza Tests, Maine 2012-13



## Antiviral Resistance – Maine, 2012-13 Influenza Season

- # of Influenza A (pH1N1) samples tested for Tamiflu resistance at HETL: 0
  - # with resistance: 0
- # of Influenza A(H3) samples tested for Tamiflu resistance at HETL: 9
  - # with resistance: 0

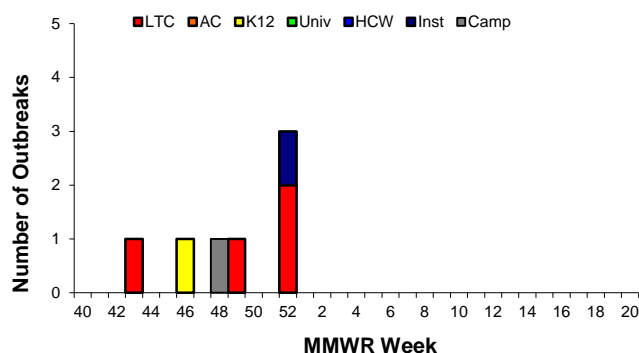
## Antigenic Characterization (Vaccine Match)

- Federal CDC has antigenically characterized 287 influenza viruses since October 1, 2012.
  - 100% of influenza A/H1 samples matched the vaccine strain
  - 98.9% of influenza A/H3 samples matched the vaccine strain
  - 66.3% of influenza B samples matched the vaccine strain

## Influenza-Like Illness Outbreaks – Maine, 2012-13 Influenza Season

- # new outbreaks: 3
- Total outbreaks 2012-13 season: 7

Influenza-Like Illness Outbreaks by Facility Type – Maine, 2012-13



### Outbreak Facility Type Key:

LTC - Long Term Care Facility  
 AC - Acute Care Facility (nosocomial)  
 K12 - School (K-12) or daycare  
 Univ - School (residential) or University  
 HCW - Health care workers  
 Inst - Other institutions (workplaces, correctional facilities etc)  
 Camp - Camp

## Influenza-Like Illness Outbreak by Facility Type and County – Maine, 2012-13

County	LTC	AC	K12	Univ	HCW	Inst	Camp	Total
Androscoggin								0
Aroostook						1		1
Cumberland								0
Franklin								0
Hancock								0
Kennebec								0
Knox								0
Lincoln							1	1
Oxford								0
Penobscot	2							2
Piscataquis								0
Sagadahoc								0
Somerset	2		1					3
Waldo								0
Washington								0
York								0
<b>Total</b>	<b>4</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>7</b>

## Pediatric Influenza Deaths

- 1 pediatric influenza-associated death reported in an unvaccinated child from Central Maine

## National Influenza Surveillance Data

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

### Influenza-Like Illness (ILI) Activity Level Indicator Determined by Data Reported to ILINet 2012-13 Influenza Season Week 49 ending Dec 08, 2012

