# Maine Weekly Influenza Surveillance Report

January 7, 2017
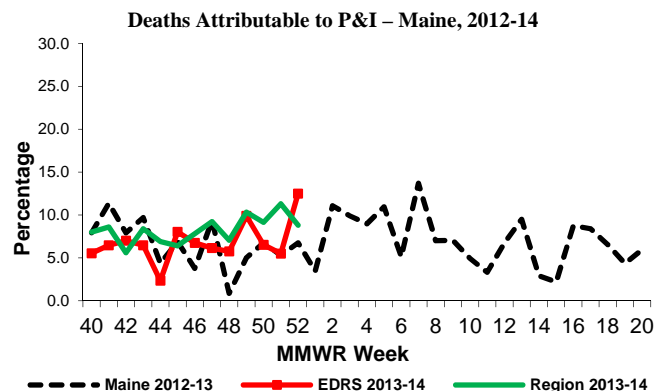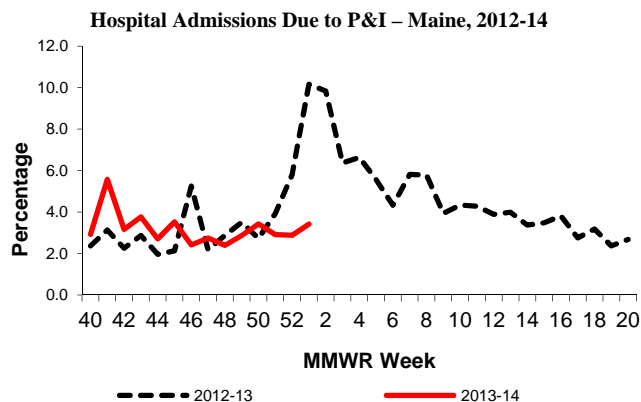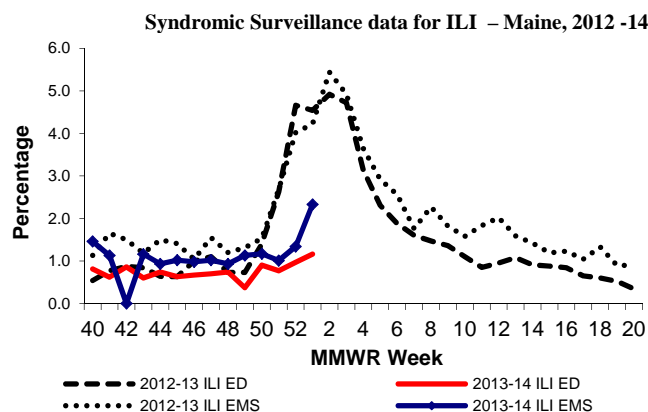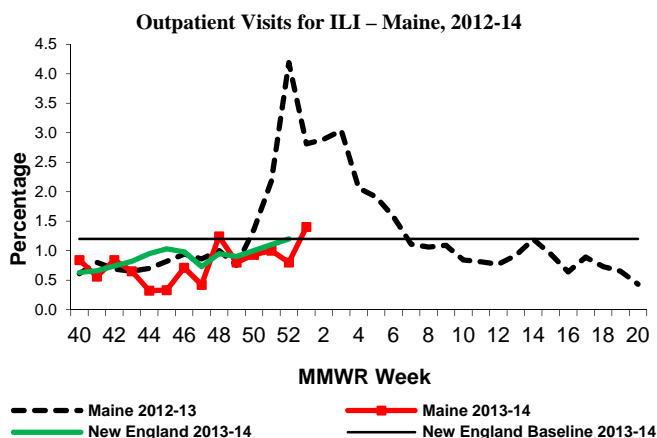
For MMWR week 1 (ending 1/4/14)

**New This Week**
- Federal Flu Code:  Widespread
- 2 new outbreaks reported, 1 in a long term care facility and 1 in an institution

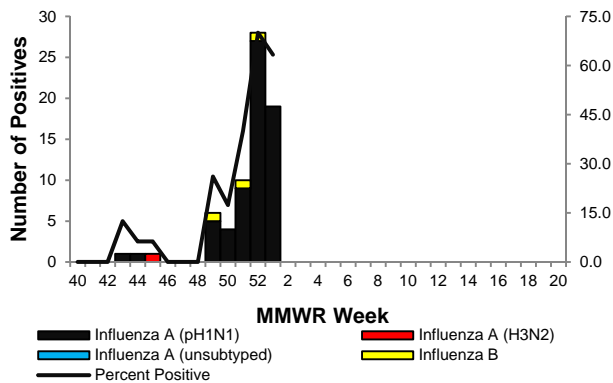**Surveillance Information – Maine, 2013-2014 Influenza Season**
- Number of ILINet Providers reporting: 20
  - % of visits for Influenza-Like Illness (ILI):  1.4
- Syndromic Surveillance
  - % of Emergency Room visits for ILI:  1.16
  - % of Emergency Medical Services (EMS) runs for ILI:  2.33
- Number of Hospitals reporting:  3
  - % of admissions due to Pneumonia &Influenza (P&I):  3.4
- Electronic Death Reporting System
  - % of deaths due to P&I:  no data



Outpatient Visits for ILI – Maine, 2012-14



Syndromic Surveillance data for ILI  – Maine, 2012 -14



Hospital Admissions Due to P&I – Maine, 2012-14



Deaths Attributable to P&I – Maine, 2012-14

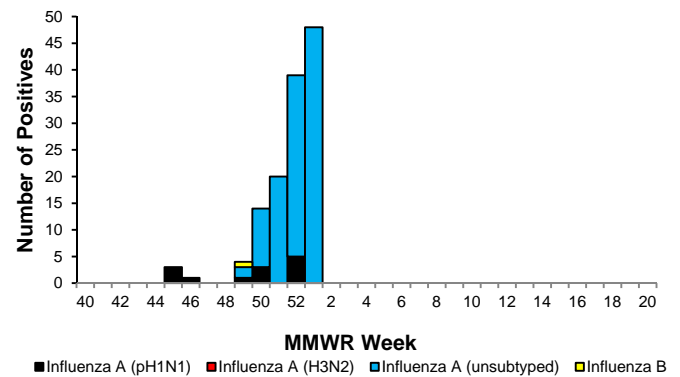*All data is preliminary and subject to change*

## Lab Data – Maine, 2013-2014 Influenza Season

- # of samples tested at HETL: 30
  - o # positive: 19
  - o % positive: 63.3
- # of samples tested at Maine Reference Labs: 113
  - o # positive: 48
  - o % positive: 42.5
- # of samples positive at National Reference Labs: 0
- # of samples positive by rapid antigen test: 31

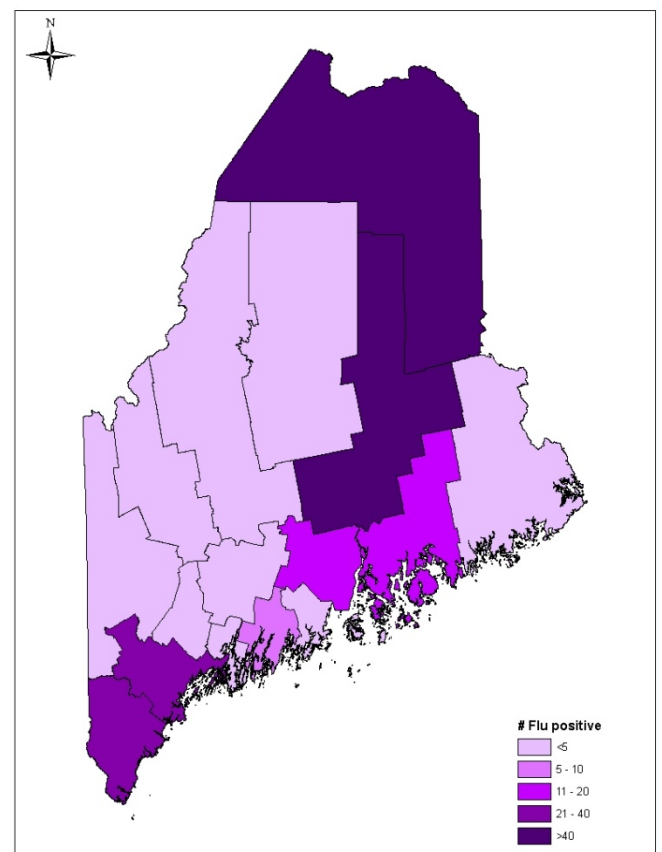**Positive PCR Samples for Influenza, HETL – Maine, 2013-14**



**Positive PCR Samples for Influenza, Maine and National Reference Labs – Maine, 2013-14**



## Geographic Distribution of Lab Tests, Maine 2013-14

| County | New this week | Total positives |
|---|---|---|
| Androscoggin | 1 | 3 |
| Aroostook | 17 | 61 |
| Cumberland | 15 | 30 |
| Franklin | 1 | 3 |
| Hancock | 10 | 16 |
| Kennebec | 0 | 2 |
| Knox | 3 | 4 |
| Lincoln | 4 | 5 |
| Oxford | 0 | 1 |
| Penobscot | 40 | 89 |
| Piscataquis | 2 | 2 |
| Sagadahoc | 2 | 3 |
| Somerset | 1 | 2 |
| Waldo | 4 | 16 |
| Washington | 0 | 1 |
| York | 8 | 28 |
| **Total** | **108** | **266** |

*Only reported PCR, culture, and rapid antigen tests are included in the chart and map. For more information, see the methods page on
http://www.maine.gov/dhhs/mecdc/infectious-disease/epi/influenza/influenza-surveillance-weekly-updates.shtml

## Positive Influenza Tests, Maine 2013-14



*All data is preliminary and subject to change*

## Antiviral Resistance – Maine, 2013-14 Influenza Season
- # of influenza A (pH1N1) samples tested for Tamiflu resistance at HETL: 7
  - # with resistance: 0
- # of influenza A (H3) samples tested for Tamiflu resistance at HETL: 1
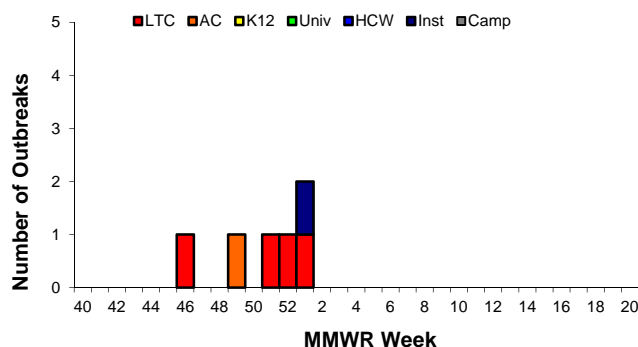  - # with resistance: 0

## Antigenic Characterization (Vaccine Match)
- Federal CDC has antigenically characterized 452 influenza viruses since October 1, 2013
  - 100% of influenza A/H1 samples match the vaccine strain
  - 100% of influenza A (H3N2) samples match the vaccine strain
  - 38% of influenza B samples match the trivalent vaccine strain
  - 100% of influenza B samples match the quadrivalent vaccine strain

## Influenza-Like Illness Outbreaks – Maine, 2013-14 Influenza Season
- # new outbreaks:  2
- Total outbreaks 2013-14 season:  6

**Influenza-Like Illness Outbreaks by Facility Type – Maine, 2013-14**



**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, 2013-14

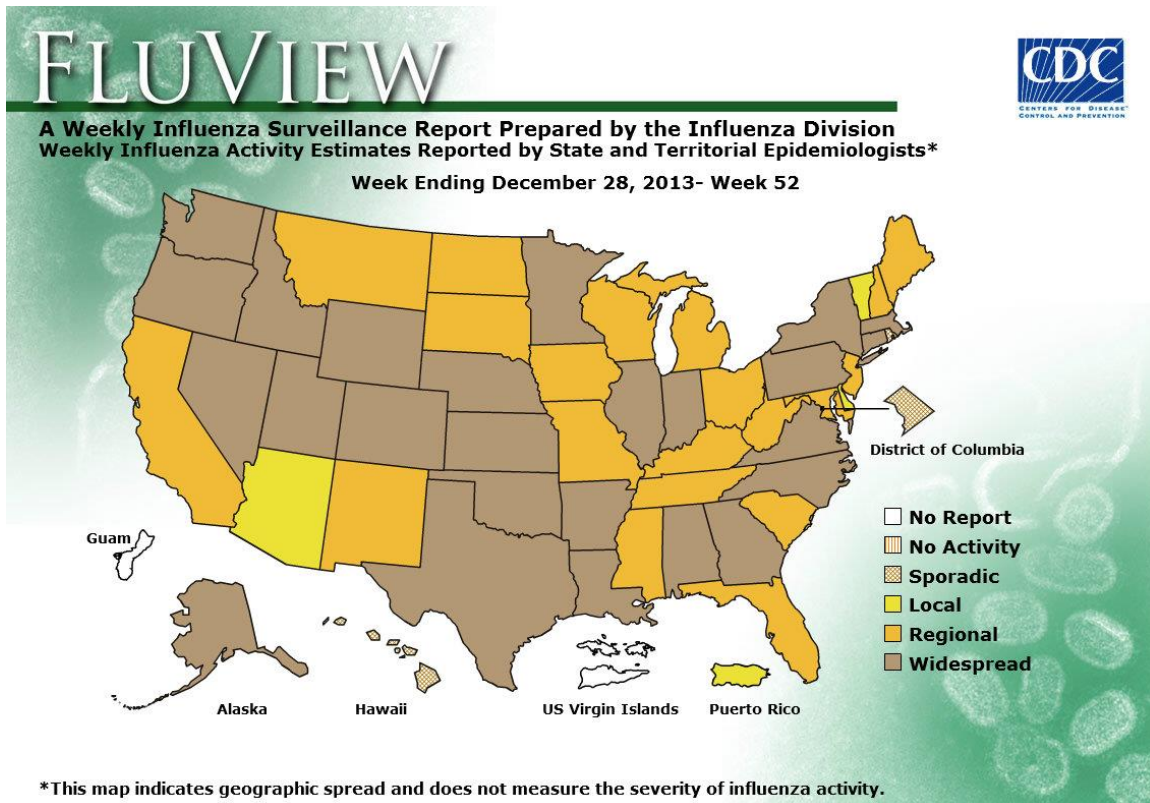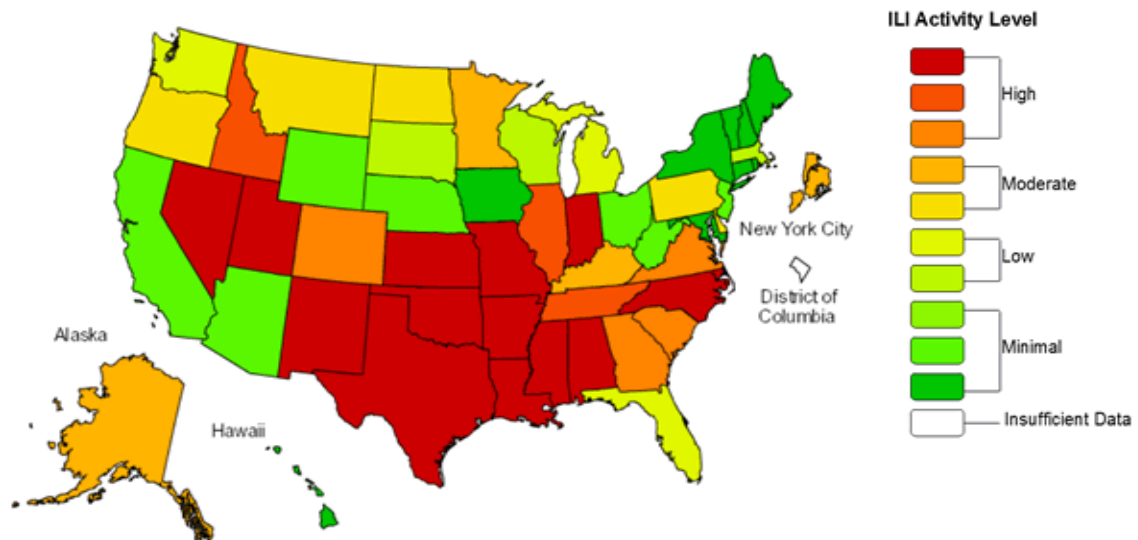| County | LTC | AC | K12 | Univ | HCW | Inst | Camp | Total |
|---|---|---|---|---|---|---|---|---|
| Androscoggin | | 1 | | | | | | 1 |
| Aroostook | | | | | | 1 | | 1 |
| Cumberland | | | | | | | | 0 |
| Franklin | | | | | | | | 0 |
| Hancock | | | | | | | | 0 |
| Kennebec | 1 | | | | | | | 1 |
| Knox | | | | | | | | 0 |
| Lincoln | | | | | | | | 0 |
| Oxford | | | | | | | | 0 |
| Penobscot | 2 | | | | | | | 2 |
| Piscataquis | | | | | | | | 0 |
| Sagadahoc | | | | | | | | 0 |
| Somerset | 1 | | | | | | | 1 |
| Waldo | | | | | | | | 0 |
| Washington | | | | | | | | 0 |
| York | | | | | | | | 0 |
| **Total** | **4** | **1** | **0** | **0** | **0** | **1** | **0** | **6** |

## Pediatric Influenza Deaths
- No pediatric influenza-associated deaths reported during the 2013-14 influenza season

3

*All data is preliminary and subject to change*

**National Influenza Surveillance Data**
Source: http://www.cdc.gov/flu/weekly/

Influenza-Like Illness (ILI) Activity Level Indicator Determined by Data Reported to ILINet
2013-14 Influenza Season Week 52 ending Dec 28, 2013



FLUVIEW

A Weekly Influenza Surveillance Report Prepared by the Influenza Division
Weekly Influenza Activity Estimates Reported by State and Territorial Epidemiologists*
Week Ending December 28, 2013- Week 52



*This map indicates geographic spread and does not measure the severity of influenza activity.

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