

Maine Weekly Influenza Surveillance Report

January 28, 2014

For MMWR week 4 (ending 1/25/14)

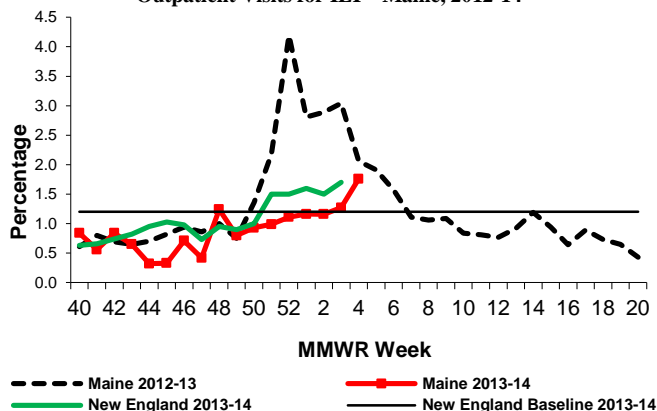
New This Week

- Federal Flu Code: Widespread
- 2 new outbreaks reported; 1 in a long term care facility, and 1 in a K-12 school

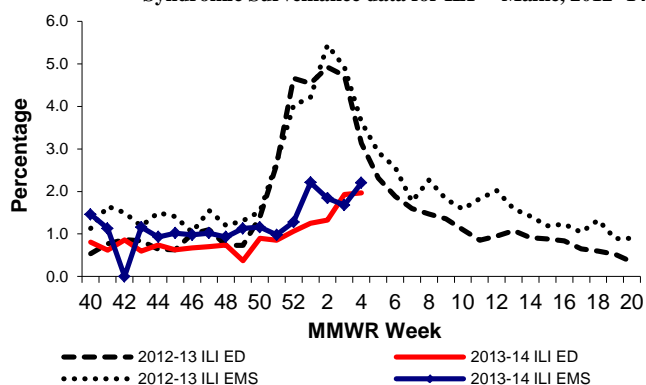
Surveillance Information – Maine, 2013-2014 Influenza Season

- Number of ILINet Providers reporting: 22
 - % of visits for Influenza-Like Illness (ILI): 1.76
- Syndromic Surveillance
 - % of Emergency Room visits for ILI: 1.97
 - % of Emergency Medical Services (EMS) runs for ILI: 2.20
- Number of Hospitals reporting: 3
 - % of admissions due to Pneumonia & Influenza (P&I): 3.8
- Electronic Death Reporting System
 - % of deaths due to P&I: no data

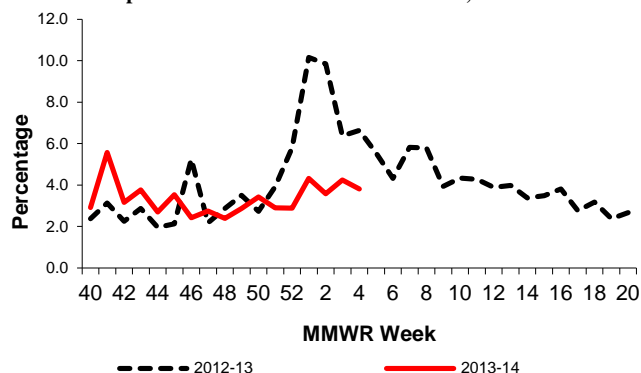
Outpatient Visits for ILI – Maine, 2012-14



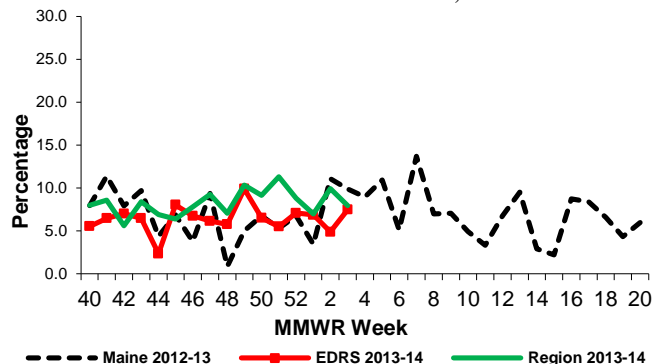
Syndromic Surveillance data for ILI – Maine, 2012 -14



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



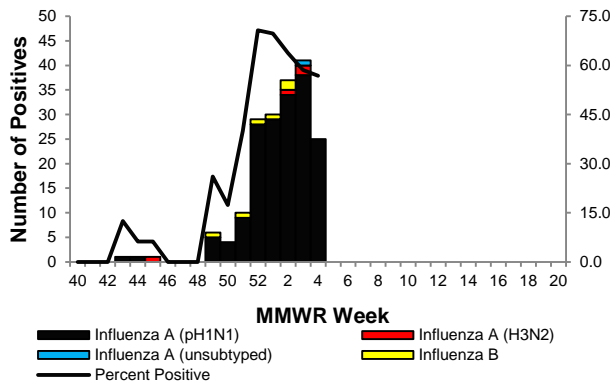
Deaths Attributable to P&I – Maine, 2012-14



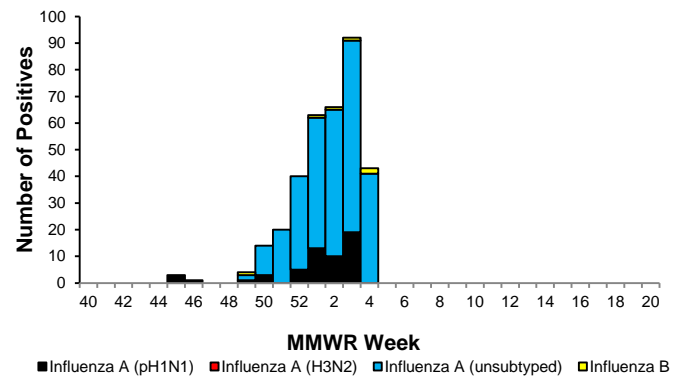
Lab Data – Maine, 2013-2014 Influenza Season

- # of samples tested at HETL: 44
 - # positive: 25
 - % positive: 56.8
- # of samples tested at Maine Reference Labs: 142
 - # positive: 43
 - % positive: 30.3
- # of samples positive at National Reference Labs: 0
- # of samples positive by rapid antigen test: 51

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



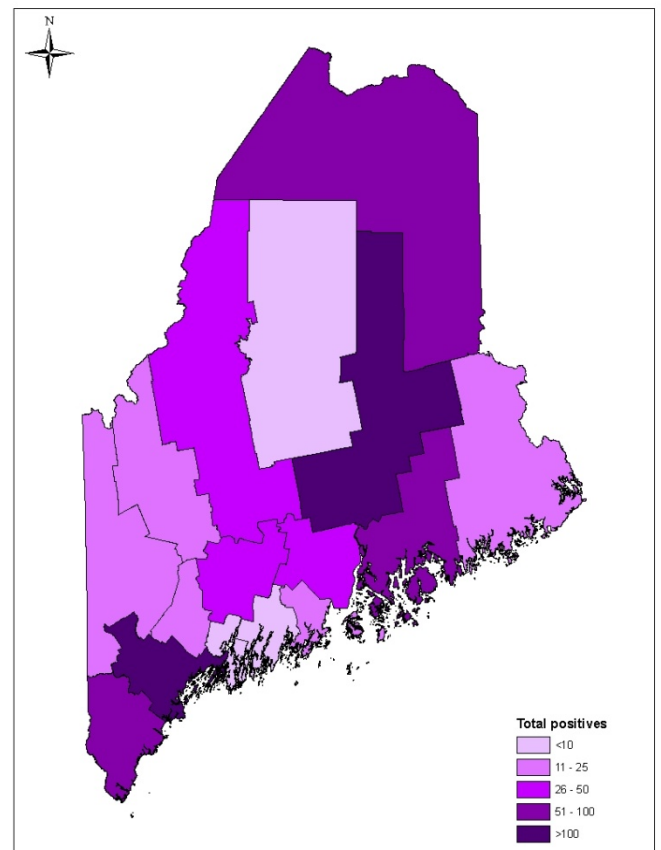
Positive PCR Samples for Influenza, Maine and National Reference Labs – Maine, 2013-14



Geographic Distribution of Lab Tests, Maine 2013-14

| County | New this week | Total positives |
|--------------|---------------|-----------------|
| Androscoggin | 3 | 25 |
| Aroostook | 3 | 83 |
| Cumberland | 38 | 114 |
| Franklin | 1 | 21 |
| Hancock | 11 | 53 |
| Kennebec | 11 | 30 |
| Knox | 3 | 12 |
| Lincoln | 2 | 8 |
| Oxford | 3 | 11 |
| Penobscot | 34 | 236 |
| Piscataquis | 0 | 5 |
| Sagadahoc | 1 | 9 |
| Somerset | 6 | 27 |
| Waldo | 4 | 38 |
| Washington | 8 | 14 |
| York | 14 | 79 |
| Total | 142 | 765 |

Positive Influenza Tests, Maine 2013-14



*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>

Antiviral Resistance – Maine, 2013-14 Influenza Season

- # of influenza A (pH1N1) samples tested for Tamiflu resistance at HETL: 28
 - # with resistance: 0
- # of influenza A (H3) samples tested for Tamiflu resistance at HETL: 1
 - # with resistance: 0

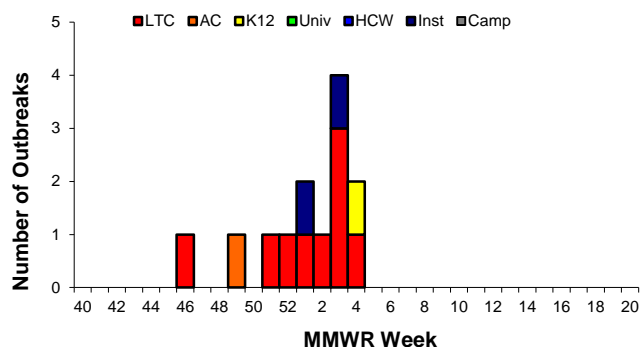
Antigenic Characterization (Vaccine Match)

- Federal CDC has antigenically characterized 799 influenza viruses since October 1, 2013
 - 99.8% of influenza A/H1 samples match the vaccine strain
 - 100% of influenza A (H3N2) samples match the vaccine strain
 - 56% 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: 13

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 | | 2 |
| Aroostook | | | | | | 1 | | 1 |
| Cumberland | 2 | | | | | | | 2 |
| Franklin | | | | | | | | 0 |
| Hancock | 1 | | | | | | | 1 |
| Kennebec | 2 | | | | | | | 2 |
| Knox | | | | | | | | 0 |
| Lincoln | | | | | | | | 0 |
| Oxford | | | | | | | | 0 |
| Penobscot | 3 | | | | | | | 3 |
| Piscataquis | | | | | | | | 0 |
| Sagadahoc | | | | | | | | 0 |
| Somerset | 1 | | | | | | | 1 |
| Waldo | | | | | | | | 0 |
| Washington | | | 1 | | | | | 1 |
| York | | | | | | | | 0 |
| Total | 9 | 1 | 1 | 0 | 0 | 2 | 0 | 13 |

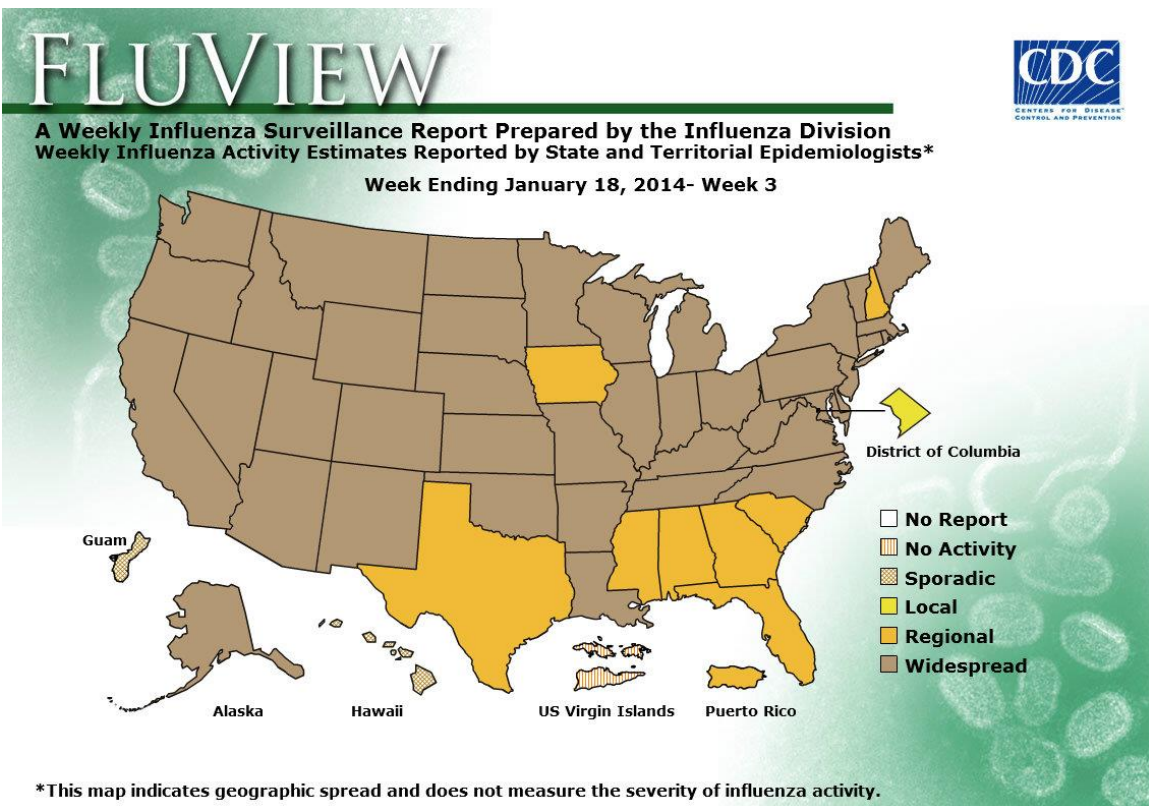
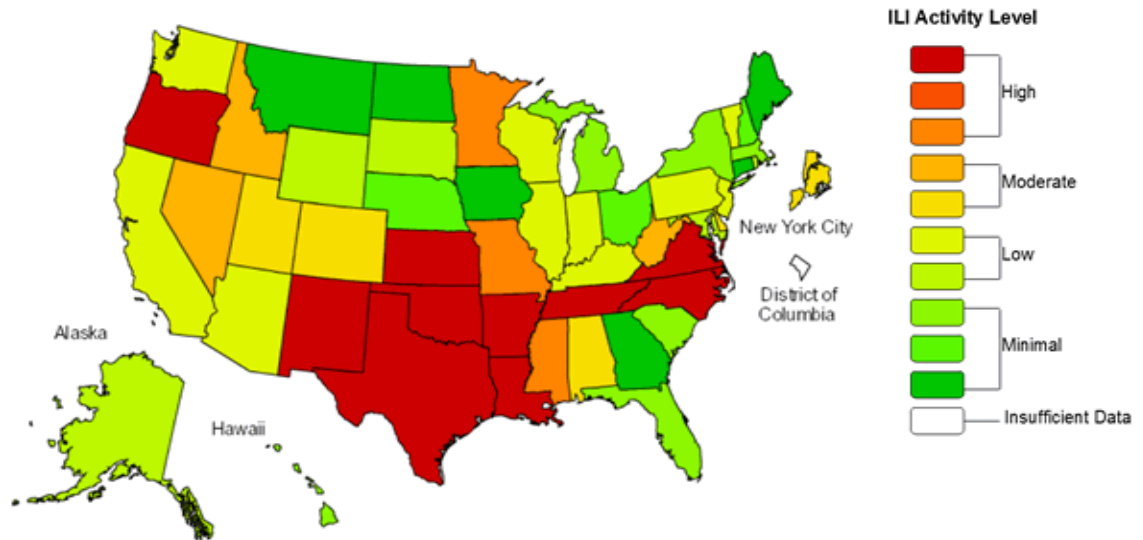
Pediatric Influenza Deaths

- No pediatric influenza-associated deaths reported during the 2013-14 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 2013-14 Influenza Season Week 3 ending Jan 18, 2014



All data is preliminary and subject to change