

Maine Weekly Influenza Surveillance Report

December 31, 2013

For MMWR week 52 (ending 12/28/13)

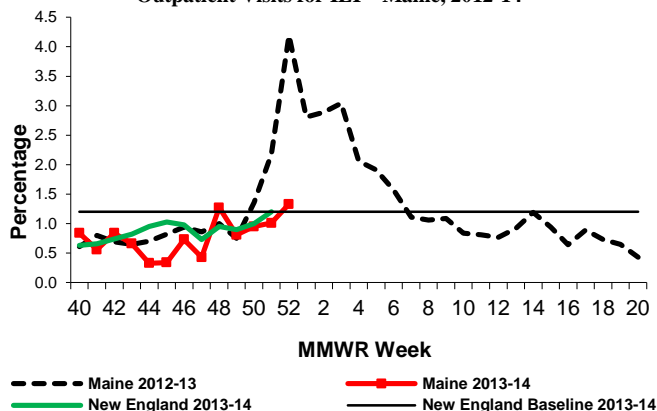
New This Week

- Federal Flu Code: Regional
- 1 new outbreak reported, in a long term care facility

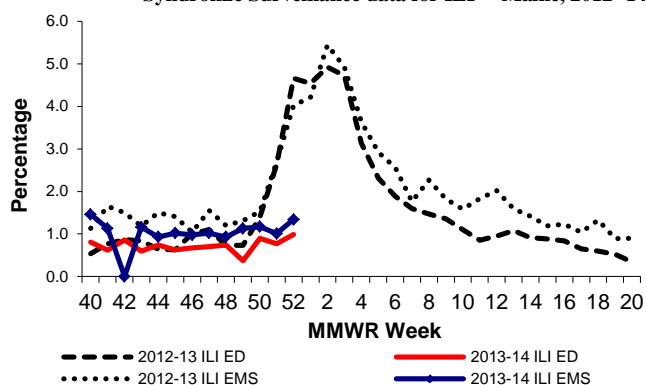
Surveillance Information – Maine, 2013-2014 Influenza Season

- Number of ILINet Providers reporting: 20
 - % of visits for Influenza-Like Illness (ILI): 1.33
- Syndromic Surveillance
 - % of Emergency Room visits for ILI: 0.99
 - % of Emergency Medical Services (EMS) runs for ILI: 1.34
- Number of Hospitals reporting: 3
 - % of admissions due to Pneumonia & Influenza (P&I): 2.9
- Electronic Death Reporting System
 - % of deaths due to P&I: 12.5

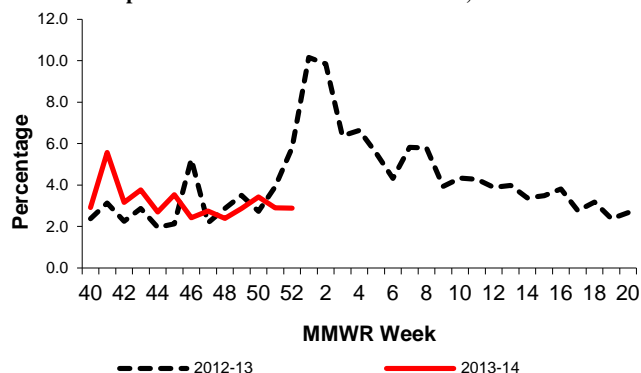
Outpatient Visits for ILI – Maine, 2012-14



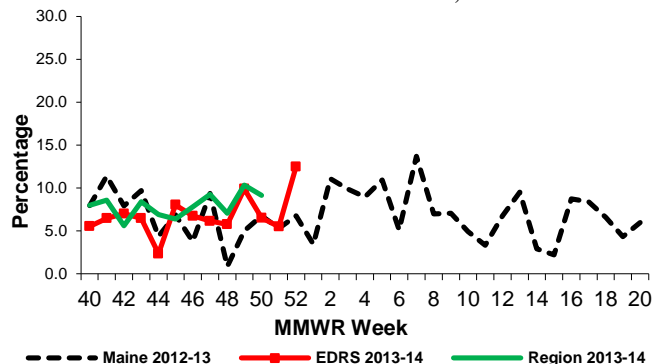
Syndromic Surveillance data for ILI – Maine, 2012 -14



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



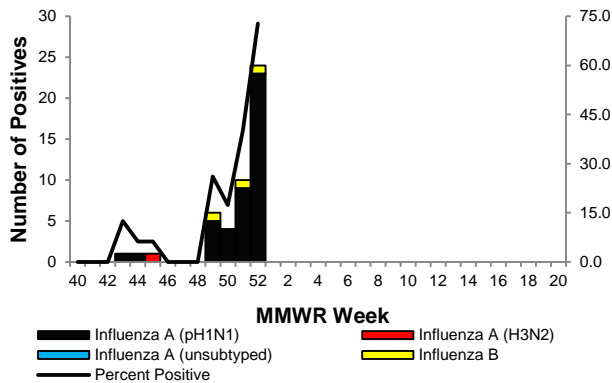
Deaths Attributable to P&I – Maine, 2012-14



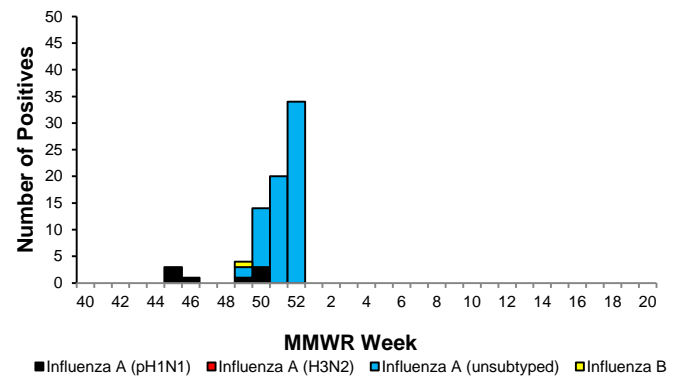
Lab Data – Maine, 2013-2014 Influenza Season

- # of samples tested at HETL: 33
 - # positive: 24
 - % positive: 72.7
- # of samples tested at Maine Reference Labs: 80
 - # positive: 34
 - % positive: 42.5
- # of samples positive at National Reference Labs: 0
- # of samples positive by rapid antigen test: 26

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



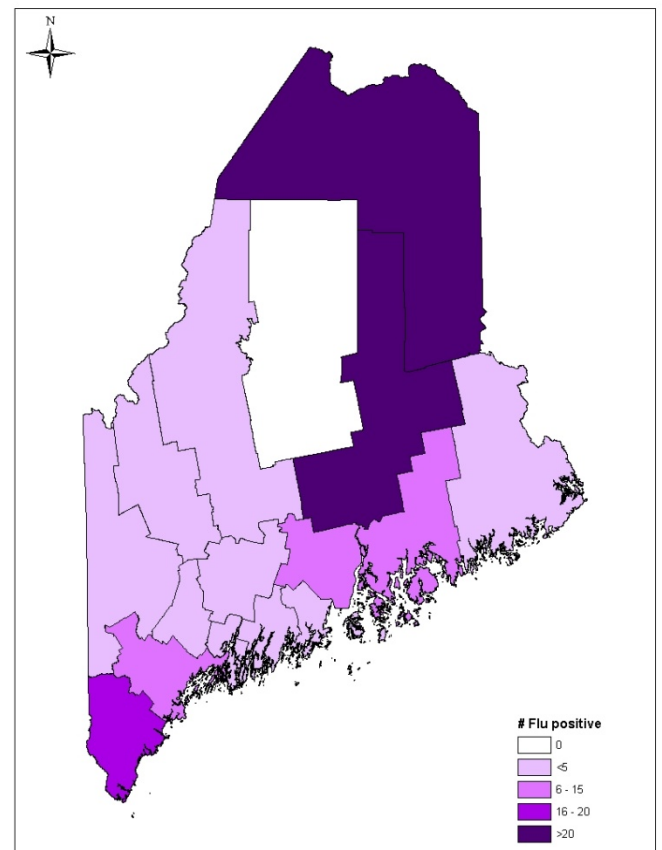
Positive PCR Samples for Influenza, Maine and National Reference Labs – Maine, 2013-14



Geographic Distribution of Lab Tests, Maine 2013-14

| County | # Positives |
|--------------|-------------|
| Androscoggin | 2 |
| Aroostook | 44 |
| Cumberland | 15 |
| Franklin | 2 |
| Hancock | 6 |
| Kennebec | 2 |
| Knox | 1 |
| Lincoln | 1 |
| Oxford | 1 |
| Penobscot | 49 |
| Piscataquis | 0 |
| Sagadahoc | 1 |
| Somerset | 1 |
| Waldo | 12 |
| Washington | 1 |
| York | 20 |

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

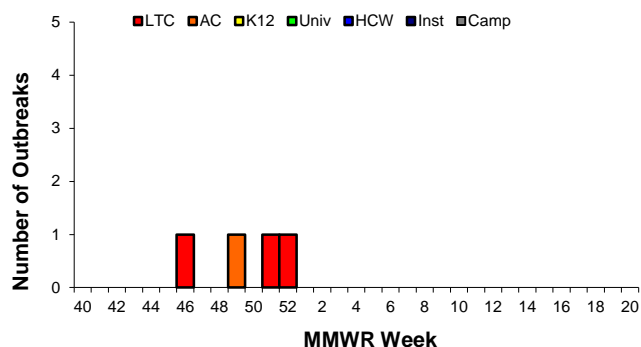
Antigenic Characterization (Vaccine Match)

- Federal CDC has antigenically characterized 408 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: 1
- Total outbreaks 2013-14 season: 4

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 | | | | | | | | 0 |
| Cumberland | | | | | | | | 0 |
| Franklin | | | | | | | | 0 |
| Hancock | | | | | | | | 0 |
| Kennebec | 1 | | | | | | | 1 |
| Knox | | | | | | | | 0 |
| Lincoln | | | | | | | | 0 |
| Oxford | | | | | | | | 0 |
| Penobscot | 1 | | | | | | | 1 |
| Piscataquis | | | | | | | | 0 |
| Sagadahoc | | | | | | | | 0 |
| Somerset | 1 | | | | | | | 1 |
| Waldo | | | | | | | | 0 |
| Washington | | | | | | | | 0 |
| York | | | | | | | | 0 |
| Total | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 4 |

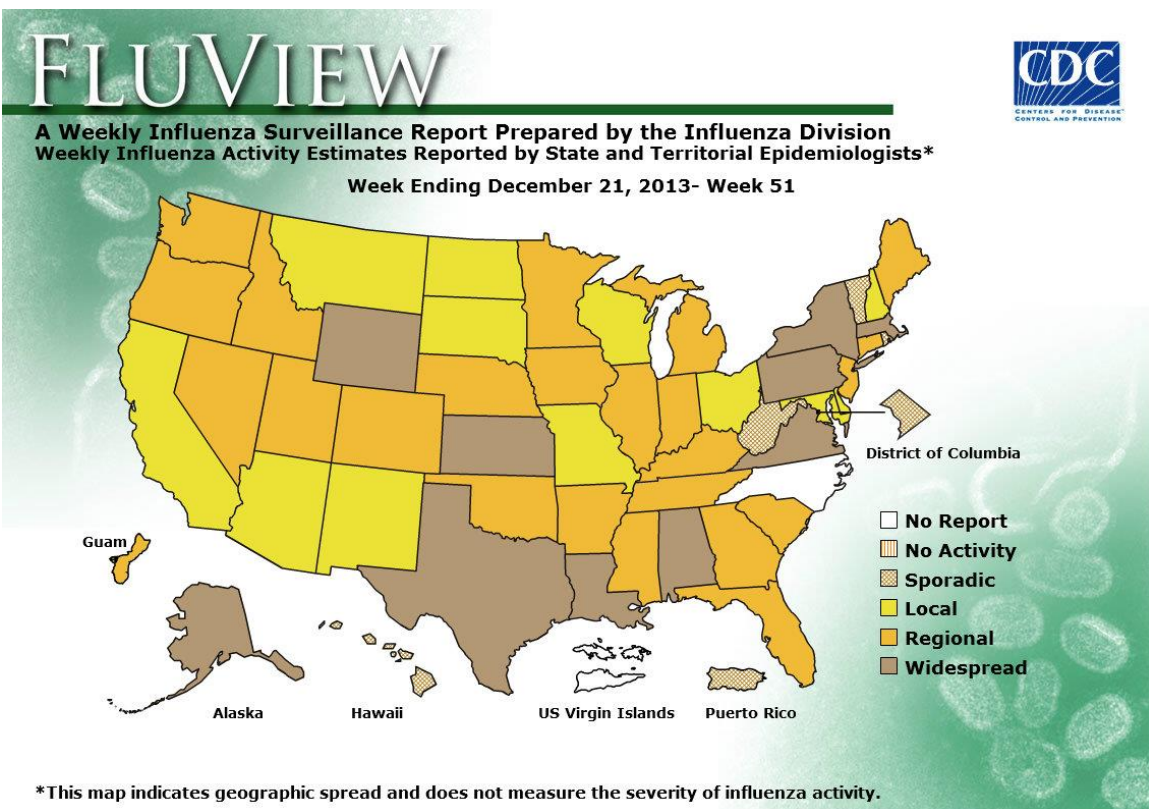
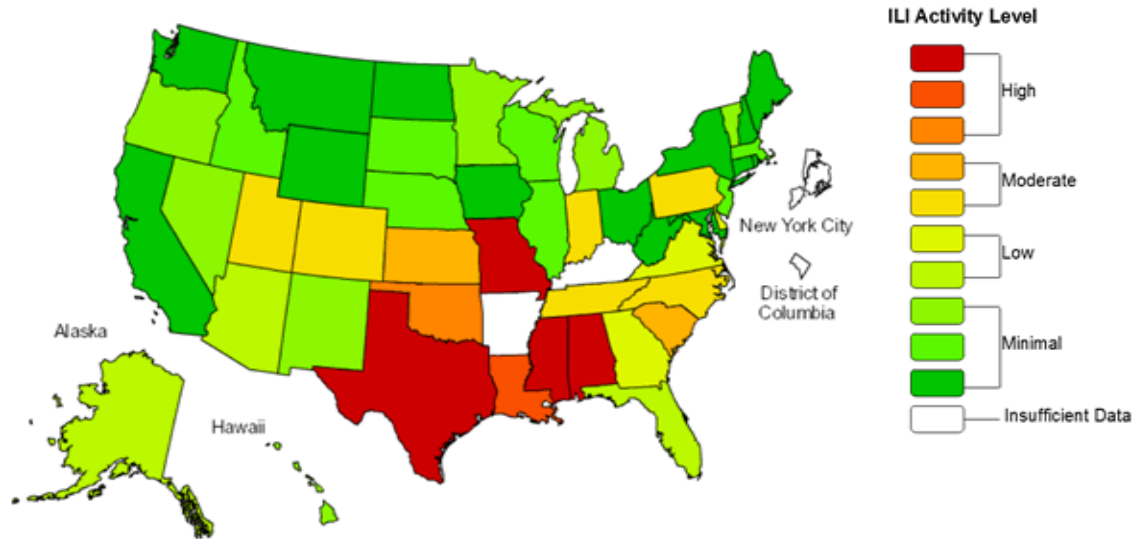
Pediatric Influenza Deaths

- 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 51 ending Dec 21, 2013



All data is preliminary and subject to change