

Maine Weekly Influenza Surveillance Report

April 8, 2014

For MMWR week 14 (ending 4/5/14)

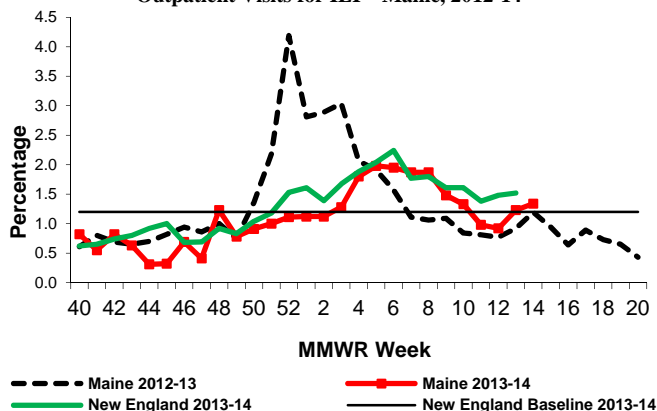
New This Week

- Federal Flu Code: Regional
- 2 new outbreaks reported, in K-12 schools

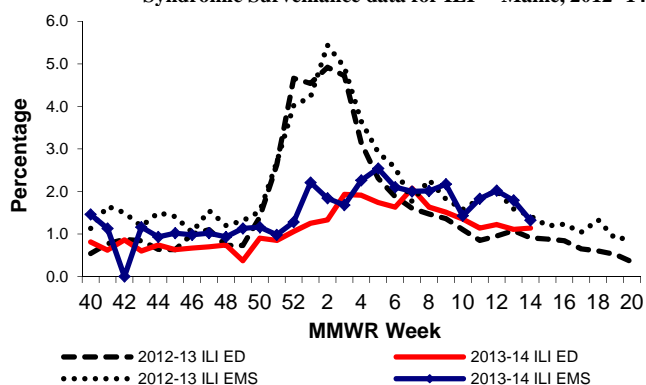
Surveillance Information – Maine, 2013-2014 Influenza Season

- Number of ILINet Providers reporting: 21
 - % of visits for Influenza-Like Illness (ILI): 1.34
- Syndromic Surveillance
 - % of Emergency Room visits for ILI: 1.14
 - % of Emergency Medical Services (EMS) runs for ILI: 1.32
- Number of Hospitals reporting: 2
 - % of admissions due to Pneumonia & Influenza (P&I): 2.8
- Electronic Death Reporting System
 - % of deaths due to P&I: 14.3

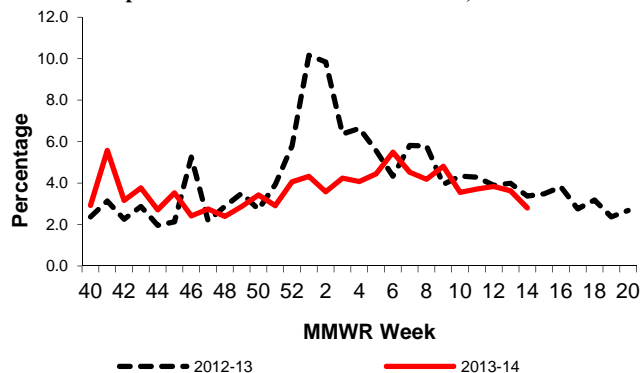
Outpatient Visits for ILI – Maine, 2012-14



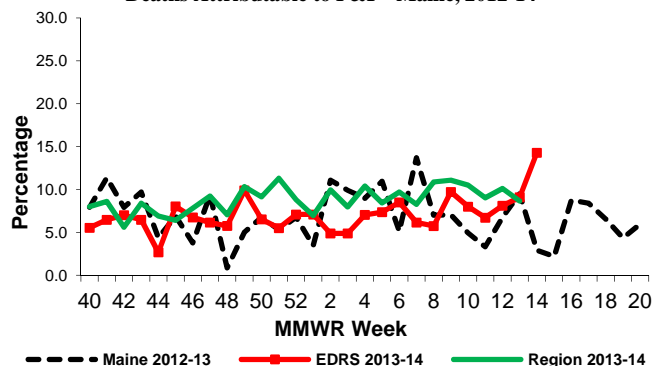
Syndromic Surveillance data for ILI – Maine, 2012 -14



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



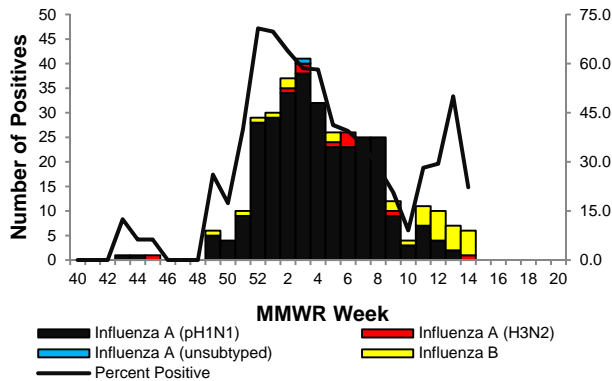
Deaths Attributable to P&I – Maine, 2012-14



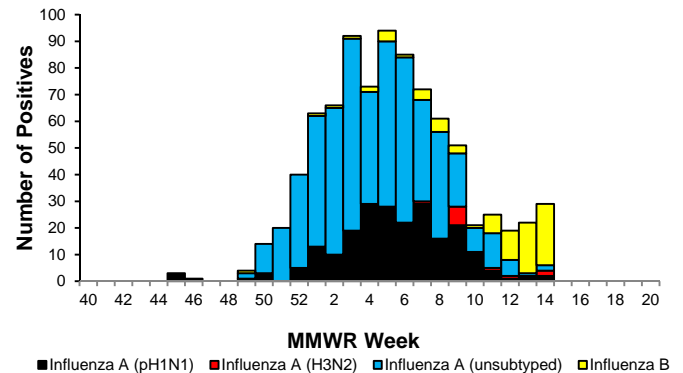
Lab Data – Maine, 2013-2014 Influenza Season

- # of samples tested at HETL: 27
 - # positive: 6
 - % positive: 22.2
- # of samples tested at Maine Reference Labs: 118
 - # positive: 29
 - % positive: 24.6
- # of samples positive by rapid antigen test: 18

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



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

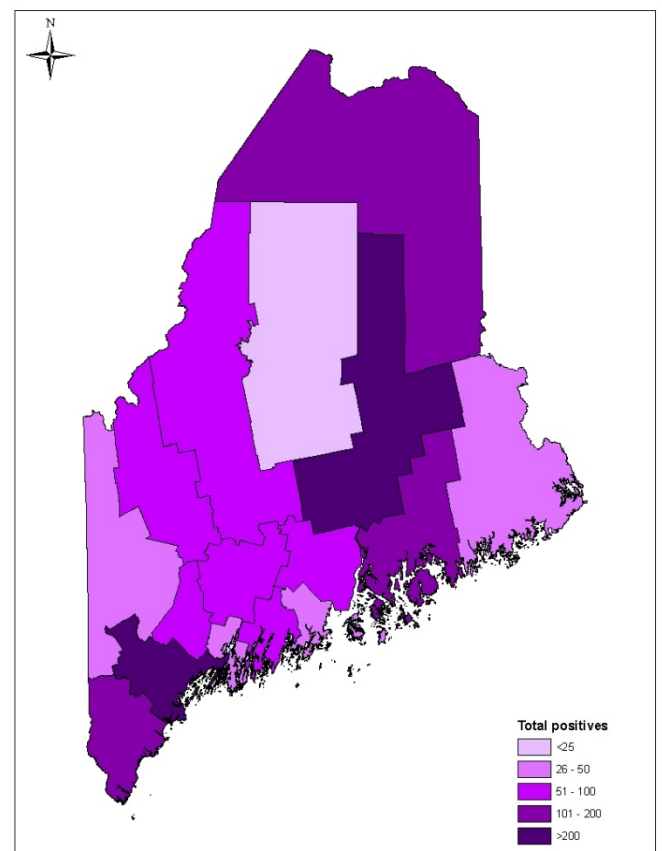


Geographic Distribution of Lab Tests, Maine 2013-14

County	New this week	Total positives
Androscoggin	2	84
Aroostook	0	102
Cumberland	23	325
Franklin	0	82
Hancock	2	119
Kennebec	1	95
Knox	1	35
Lincoln	1	72
Oxford	1	30
Penobscot	10	458
Piscataquis	0	15
Sagadahoc	0	28
Somerset	3	64
Waldo	3	68
Washington	0	53
York	7	174
Total	54	1804

*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



Antiviral Resistance – Maine, 2013-14 Influenza Season

- # of influenza A (pH1N1) samples tested for Tamiflu resistance at HETL: 62
 - # with resistance: 0
- # of influenza A (H3) samples tested for Tamiflu resistance at HETL: 6
 - # with resistance: 0

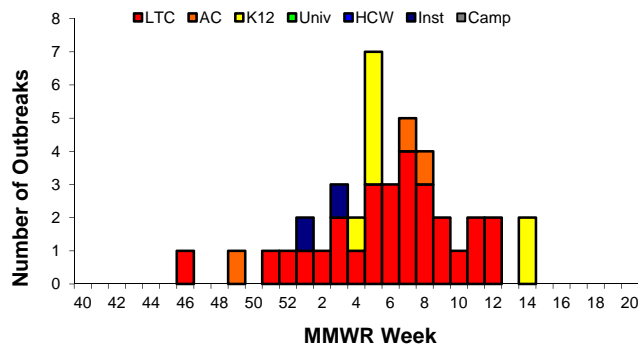
Antigenic Characterization (Vaccine Match)

- Federal CDC has antigenically characterized 2,110 influenza viruses since October 1, 2013
 - 99.9% of influenza A/H1 samples match the vaccine strain
 - 98.1% of influenza A (H3N2) samples match the vaccine strain
 - 67% 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: 40

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	2	2				1		5
Aroostook						1		1
Cumberland	9							9
Franklin								0
Hancock	1							1
Kennebec	1							1
Knox								0
Lincoln	2							2
Oxford	1							1
Penobscot	8	1						9
Piscataquis	2							2
Sagadahoc			1					1
Somerset	2							2
Waldo			5					5
Washington			1					1
York								0
Total	28	3	7	0	0	2	0	40

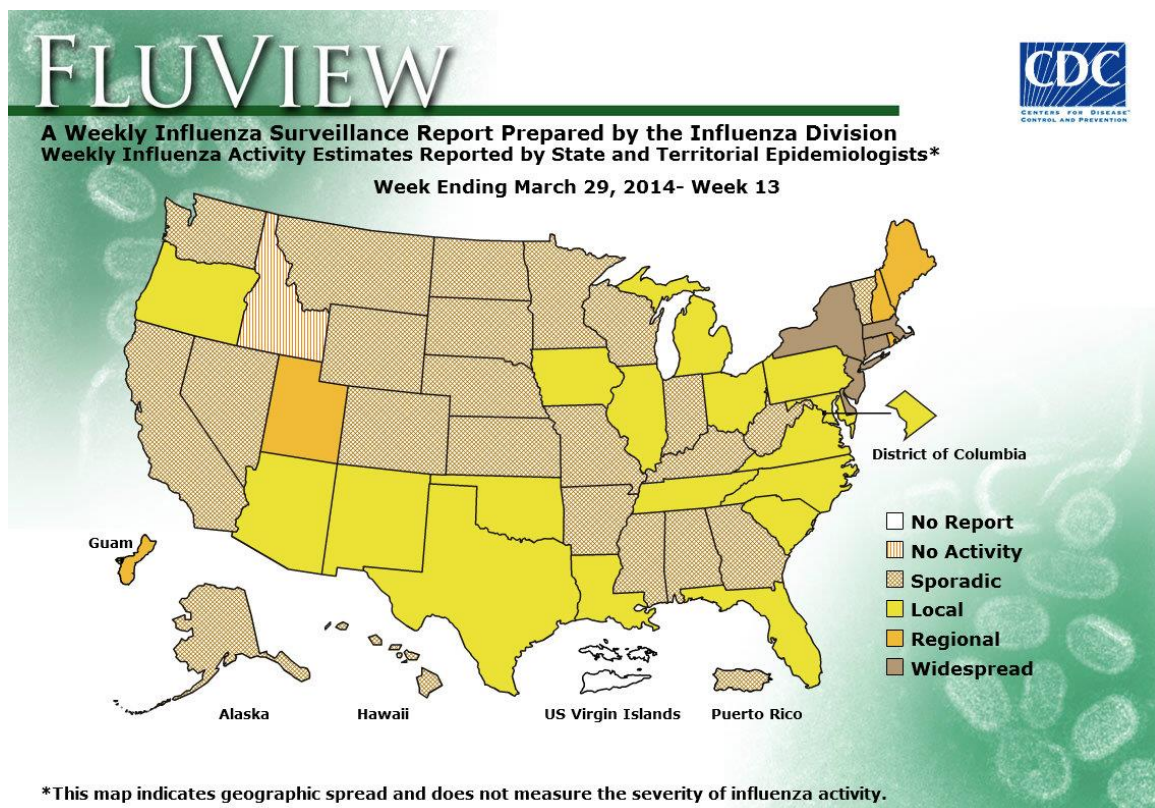
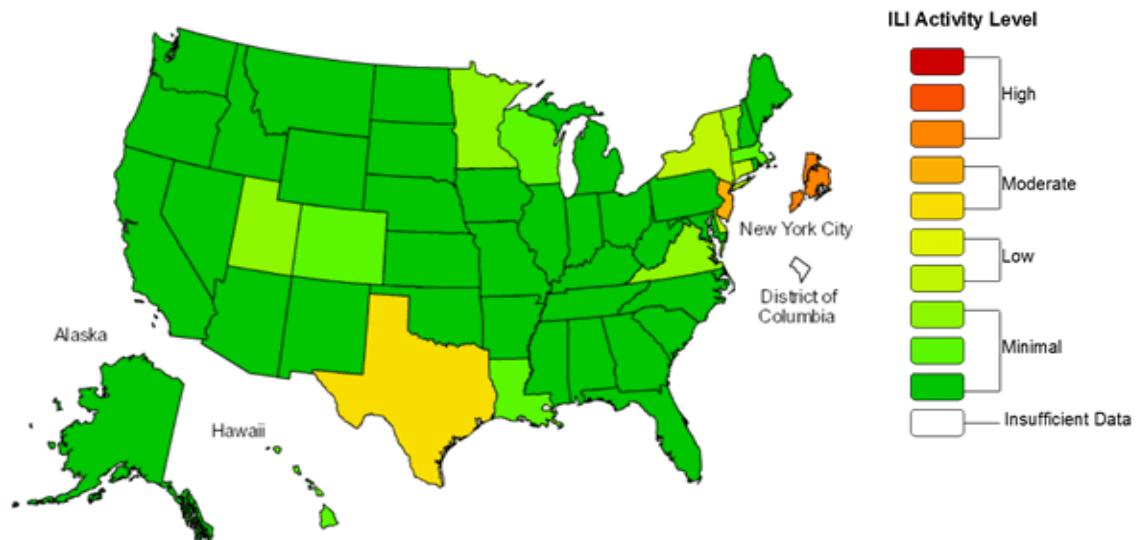
Pediatric Influenza-Associated Deaths

- 1 pediatric influenza-associated death reported in a child from Western 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 2013-14 Influenza Season Week 13 ending Mar 29, 2014



All data is preliminary and subject to change