

# Maine Weekly Influenza Surveillance Report

April 2, 2008

## Synopsis

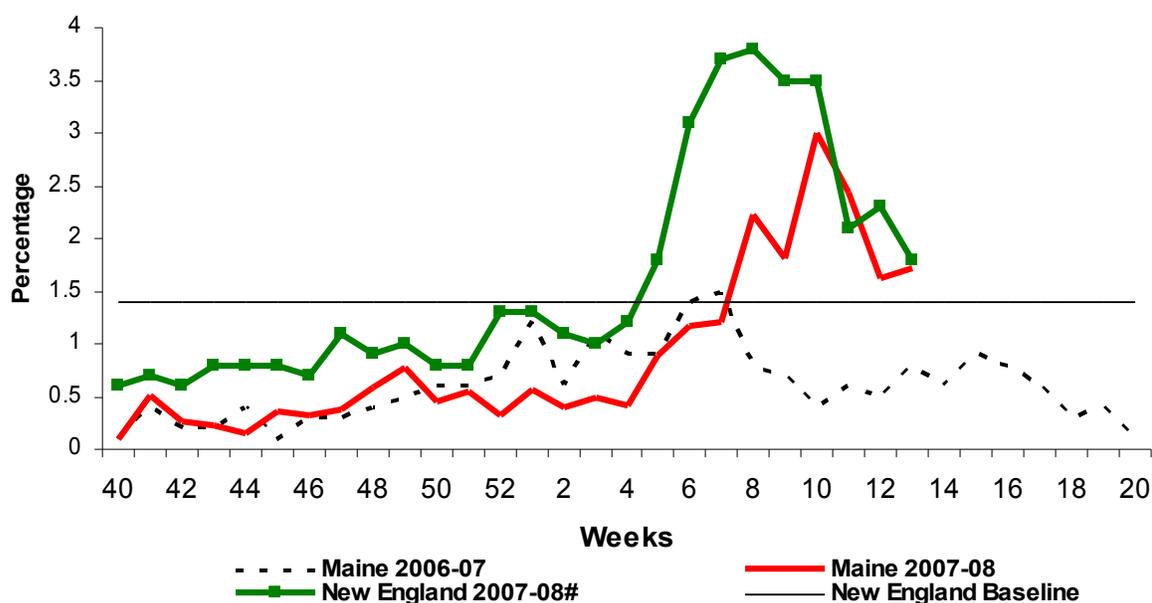
During the week ending March 29, 2008 (MMWR week 13)\*, Maine reported widespread influenza activity. Four outbreaks in long term care facilities were reported during week 13 and the [number of positive laboratory tests remained elevated](#).

## Moderate Disease Surveillance

### Outpatient influenza-like illness (ILI)

During the week ending March 29, 2008 (week 13), 1.7% of outpatient visits reported by eight Maine Sentinel Providers were for influenza-like illness (ILI), defined as fever ( $\geq 100^{\circ}$  F /  $\geq 37.8^{\circ}$  C) and cough or sore throat in the absence of a known cause. In the New England States, 1.8% of outpatient visits were attributed to influenza-like illness during week 13.

### Outpatient Visits for Influenza-like Illness -- Maine, 2006-08



# New England is defined as Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont.

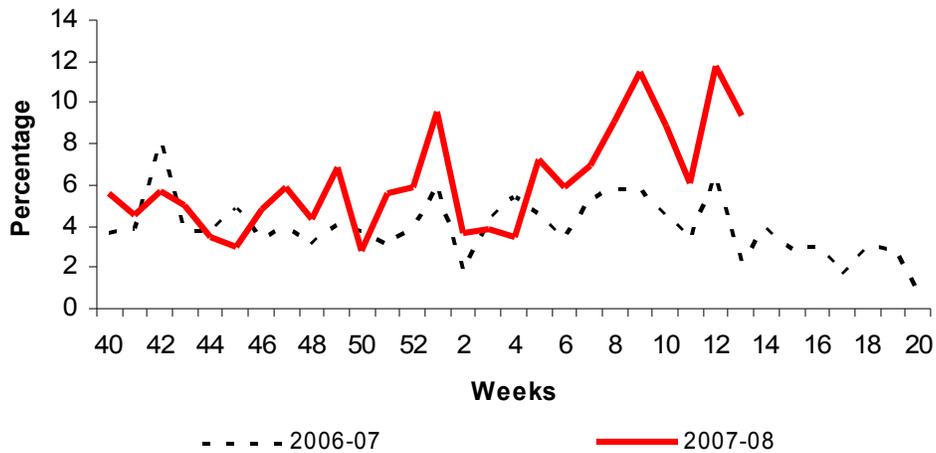
## Severe Disease Surveillance

### Hospital inpatients

During the week ending March 29, 2008 (week 13), 9.4% of hospital admissions reported by four hospitals were attributable to pneumonia or influenza. This was a slight decrease from week 12 when 11.8% of hospital admissions were attributable to pneumonia and influenza.

### Hospital Admissions Due to Pneumonia or Influenza -- Maine, 2006-08

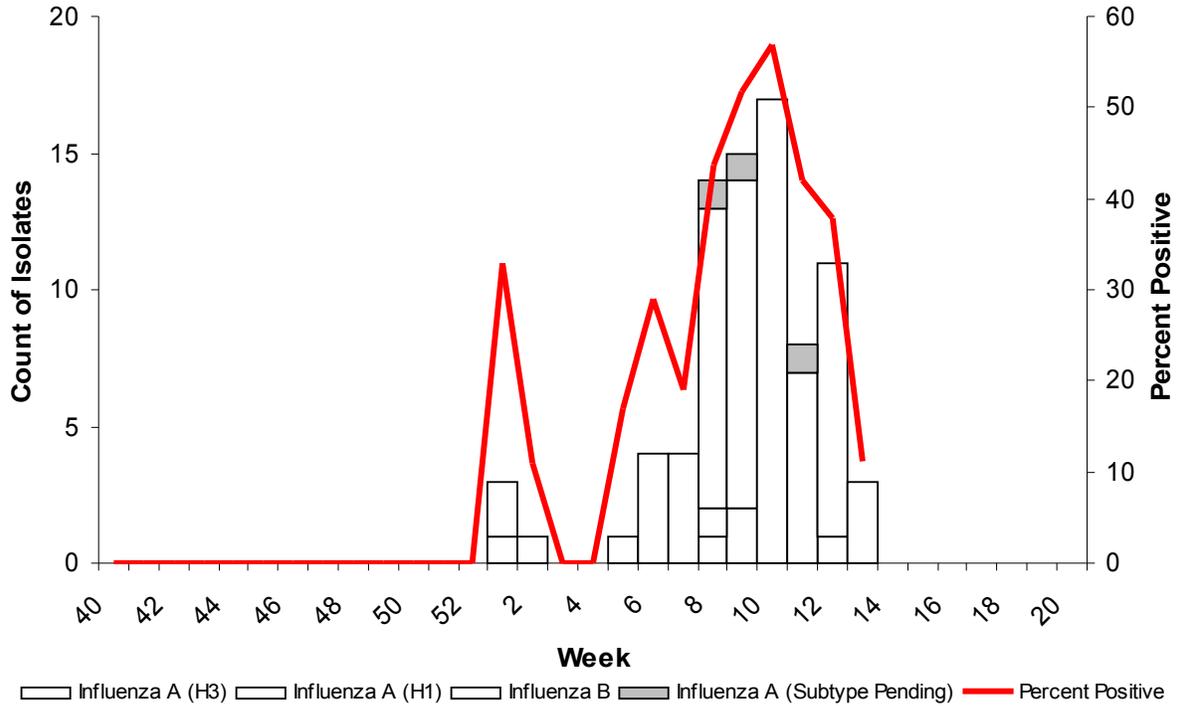
\* At time of publication, reporting may be incomplete. Numbers presented here may change as more reports are received.



**Laboratory Reporting**

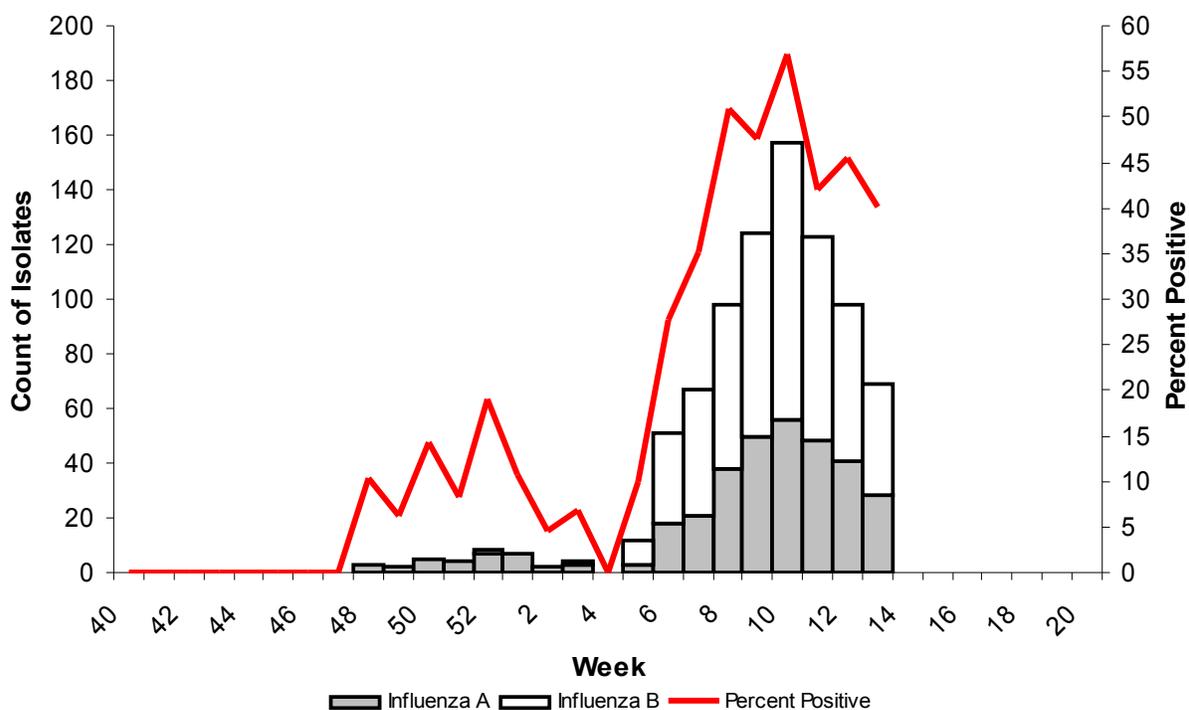
The Maine Health and Environmental Testing Laboratory (HETL) tested 27 specimens during week 13. Three specimens were positive for influenza B; the results for the remaining specimens are pending. As of March 29, 2008 (week 13), a cumulative total of 314 respiratory specimens had been submitted to HETL for testing. To date, a total of 81 (25.8%) specimens were positive for influenza; six were influenza A (H3), three were influenza A (H1), three were influenza A (subtype pending), and 69 specimens were influenza B. In addition, four specimens were positive for parainfluenza-2, one specimen was positive for parainfluenza-1, and one specimen was positive for mumps. Results on 33 specimens are pending; all other specimens were negative.

**Respiratory Specimens Positive for Influenza  
From the Health and Environmental Testing Laboratory – Maine, 2007-08**



Two private reference laboratories in Maine reported for the week ending March 29, 2008 (week 13). Twenty-eight of 172 specimens were positive for influenza A. Forty-one specimens were positive for influenza B. In addition, 12 specimens were positive for RSV. As of March 29, 2008, a cumulative total of 2,390 respiratory specimens had been submitted to two private reference laboratories in Maine. Of these, 336 (14%) specimens were positive for influenza A and 498 (21%) were positive for influenza B. Four hundred ninety-four specimens were positive for RSV, ten specimens were positive for parainfluenza-1, ten specimens were positive for parainfluenza-2, three specimens were positive for parainfluenza-3, six specimens was positive for adenovirus, three specimens were positive for enterovirus, and the remaining specimens were negative.

## Respiratory Specimens Positive for Influenza From Two Reference Laboratories – Maine, 2007-08



### Outbreaks

During the week ending March 29, 2008, four outbreaks of influenza-like illness were reported in Maine; all were in long term care facilities. A total of 70 outbreaks of influenza-like illness have been reported in Maine this season.

### Influenza-like illness outbreaks by selected characteristics – Maine, 2007-08

	Facility Type*	Region	Date Reported	Attack Rate (%)		Hospitalizations #	Deaths #	Vaccination rate (%)		Lab-confirmed
				Resident	Staff			Resident	Staff	
1	LTC	Midcoast	12/27/2007	9	0	0	0	100	55	Influenza A
2	LTC	Eastern	1/14/2008	31	6	1	0	100	94	^
3	School	Midcoast	1/28/2008	7	0	0	0	^	^	Influenza A
4	School	Aroostook	1/29/2008	15	^	^	^	^	^	^
5	School	Aroostook	1/29/2008	27	0	0	0	^	^	Influenza
6	School	Midcoast	1/31/2008	3	0	0	0	^	^	Influenza
7	School	Aroostook	2/4/2008	20	11	0	0	^	^	Influenza A
8	School	Northern	2/4/2008	17	25	^	^	^	^	Influenza
9	LTC	Midcoast	2/12/2008	24	5	0	0	98	5	Influenza B
10	LTC	Midcoast	2/13/2008	40	17	0	0	80	83	Influenza A
11	LTC	Western	2/15/2008	9	0	2	0	83	0	Influenza B
12	LTC	Eastern	2/15/2008	11	16	1	0	89	50	Influenza A
13	School	Midcoast	2/15/2008	20	0	0	0	^	^	Influenza B
14	LTC	Western	2/20/2008	34	^	0	0	^	^	Influenza A

15	ACF Unit	Western	2/20/2008	36	^	NA	0	^	^	Influenza
16	LTC	Eastern	2/21/2008	20	8	^	^	^	^	Influenza B
17	LTC	Western	2/21/2008	0	3	^	^	^	^	Influenza
18	LTC	Western	2/21/2008	1	3	^	^	96	50	Influenza
19	LTC	Southern	2/22/2008	1	0	^	^	^	^	Influenza
20	LTC	Eastern	2/22/2008	1	0	1	1	60	50	Influenza B
21	ACF	Eastern	2/25/2008	12	^	^	^	^	^	Influenza
22	ACF Unit	Western	2/25/2008	1	^	NA	^	^	^	Influenza B
23	LTC	Southern	2/26/2008	9	0	0	0	99	54	Influenza A
24	LTC	Western	2/26/2008	5	1	0	1	94	50	Influenza
25	LTC	Central	2/26/2008	3	2	0	0	96	75	Influenza A
26	LTC	Southern	2/26/2008	0	4	1	0	96	42	Influenza A
27	LTC	Eastern	2/26/2008	21	1	0	0	100	40	Influenza B
28	LTC	Western	2/27/2008	1	0	0	0	94	50	Influenza
29	LTC	Western	2/28/2008	5	3	1	0	80	^	Influenza A
30	LTC	Northern	2/29/2008	18	6	0	0	100	6	Influenza
31	LTC	Eastern	2/29/2008	7	2	0	0	100	50	Influenza B
32	LTC	Southern	2/29/2008	1	0	0	0	85		Influenza B
33	LTC	Western	3/3/2008	2	<1	^	^	99	30	Influenza
34	LTC	Western	3/3/2008	1	1	1	0	98	60	Influenza A
35	ACF Unit	Eastern	3/3/2008	8	2	NA	^	^	^	Influenza
36	LTC	Western	3/4/2008	4	0	0	0	90	72	Influenza B
37	LTC	Southern	3/4/2008	18	2	2	0	89	49	Influenza
38	LTC	Eastern	3/5/2008	33	12	0	^	99	5	Influenza B
39	LTC	Central	3/5/2008	1	1	^	^	^	^	Influenza A
40	LTC	Eastern	3/7/2008	27	6	3	0	100	^	Influenza A
41	LTC	Eastern	3/7/2008	6	6	0		91	39	Influenza B
42	LTC	Central	3/7/2008	3	31	3	0	99	43	Influenza B
43	LTC	Western	3/7/2008	5	^	^	^	^	^	Influenza B
44	School	Eastern	3/10/2008	18	^	^	^	^	^	Influenza
45	LTC	Southern	3/10/2008	7	^	2	0	100	33	Influenza A
46	School	Eastern	3/10/2008	21	1	^	^	^	^	Influenza
47	LTC	Western	3/10/2008	5	3	0	0	^	20	Influenza B
48	School	Eastern	3/10/2008	23	11	^	^	^	^	Influenza
49	School	Eastern	3/10/2008	17	0	^	^	^	^	Influenza
50	LTC	Western	3/10/2008	5	0	1	0	99	50	Influenza
51	LTC	Western	3/10/2008	1	0	0	0	100	50	Influenza
52	LTC	Southern	3/11/2008	26	1	3	0	88	69	Influenza
53	LTC	Southern	3/11/2008	2	0	0	0	100	90	Influenza
54	LTC	Southern	3/12/2008	8	0	0	0	93	56	Influenza
55	LTC	Eastern	3/12/2008	11	10	1	1	100	100	Influenza B
56	LTC	Eastern	3/12/2008	8	0	1	1	100	60	Influenza B
57	LTC	Central	3/12/2008	6	2	1	0	90	70	Influenza B
58	LTC	Central	3/13/2008	25	35	2	0	^	^	Influenza
59	ACF	Central	3/13/2008	1	0	^	^	^	^	Influenza B
60	LTC	Central	3/14/2008	1	1	0	0	98	83	Influenza B
61	LTC	Western	3/18/2008	3	0	^	^	100	70	Influenza A
62	LTC	Eastern	3/19/2008	0	2	^	^	^	^	Influenza
63	LTC	Midcoast	3/20/2008	3	0	0	0	92	50	Influenza A
64	LTC	Central	3/21/2008	3	4	^	^	^	^	Influenza B

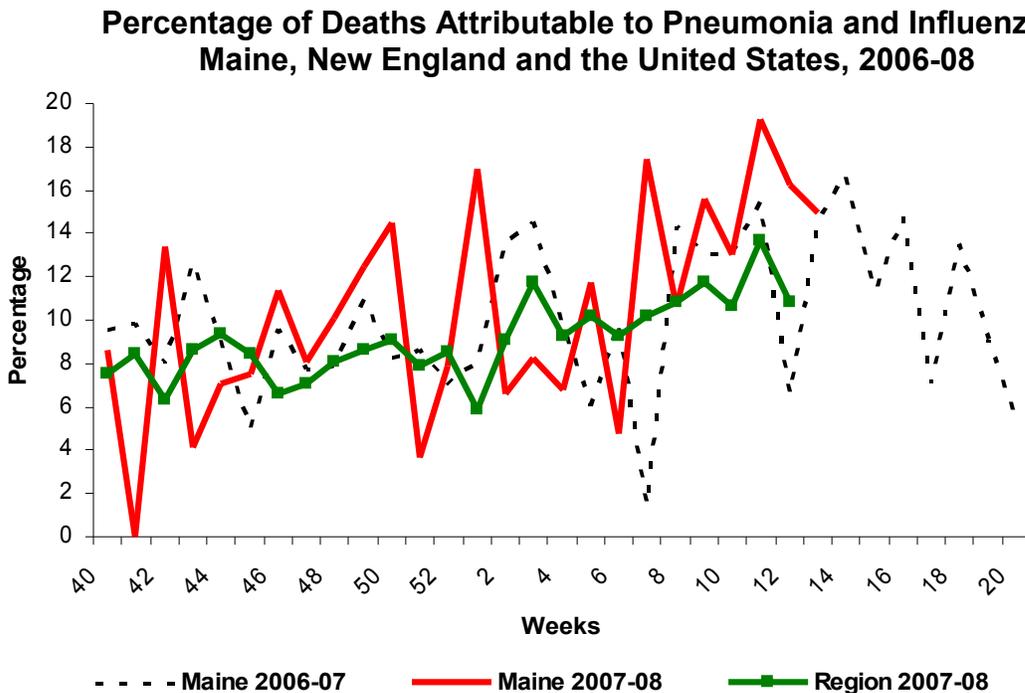
65	LTC	Central	3/21/2008	4	^	^	^	^	^	Influenza A
66	LTC	Central	3/21/2008	8	0	^	^	100	8	Influenza A
67	LTC	Western	3/25/2008	17	13	1	0	94	87	Influenza A
68	LTC	Central	3/25/2008	11	^	2	1	90	59	Influenza
69	LTC	Eastern	3/26/2008	2	^	^	^	^	^	Influenza
70	LTC	Midcoast	3/27/2008	7	3	2	0	66	^	Influenza B

\* Outbreak definition is specific to facility type. An outbreak in long-term care facilities (LTC) is defined as  $\geq 3$  patients with ILI identified on same floor or ward during a short (e.g., 48-72 hour) period OR  $\geq 1$  patients with lab-confirmed influenza; an outbreak in an acute care facility (ACF) is defined as  $\geq 1$  patients with ILI or lab-confirmed influenza with symptom onset  $\geq 48$  hours post-admission (i.e., nosocomial); and an outbreak in a school is defined as  $\geq 15\%$  absentee rate among student population due to ILI or lab-confirmed influenza.  
 ^ Data unavailable; NA indicates not applicable

## Fatalities Surveillance

### Death Certificates

During the week ending March 29, 2008 (week 13), 15% of deaths reported by two city vital records offices were attributable to pneumonia and influenza.



^ New England includes the following reporting areas: Boston, MA; Bridgeport, CT; Cambridge, MA; Fall River, MA; Hartford, CT; Lowell, MA; Lynn, MA; New Bedford, MA; New Haven, CT; Providence, RI; Somerville, MA; Springfield, MA; Waterbury, CT; Worcester, MA.

## Pediatric Fatalities

One influenza-associated pediatric death in Maine has been reported this season.

## National Influenza Activity

State health departments report the estimated level of influenza activity in their states each week. States report influenza activity as: 1) no activity, 2) sporadic, 3) local, 4) regional, or 5) widespread (definitions of these levels can be found at: [www.cdc.gov/flu/weekly/usmap.htm](http://www.cdc.gov/flu/weekly/usmap.htm)). Maine reported widespread influenza activity for the weeks ending March 22, 2008 (week 12) and March 29, 2008 (week 13).

