Maine Weekly Influenza Surveillance Report

May 123, 2017

Maine Center for Disease Control and Prevention
An Office of the Department of Health and Human Services
Paul R. LePage, Governor — Mary C. Mayhew, Commissioner

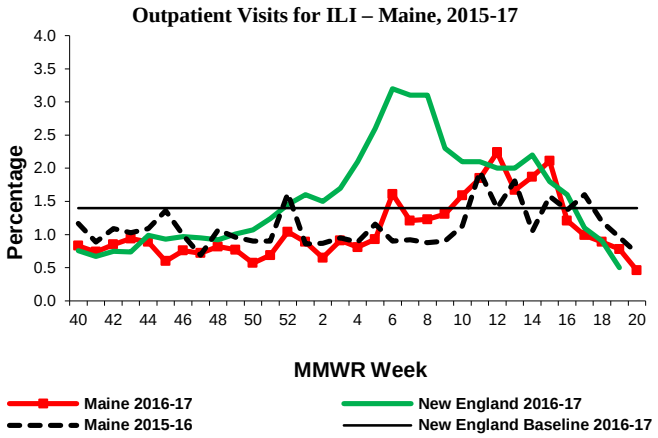
For MMWR week 19 (ending 5/20/2017)

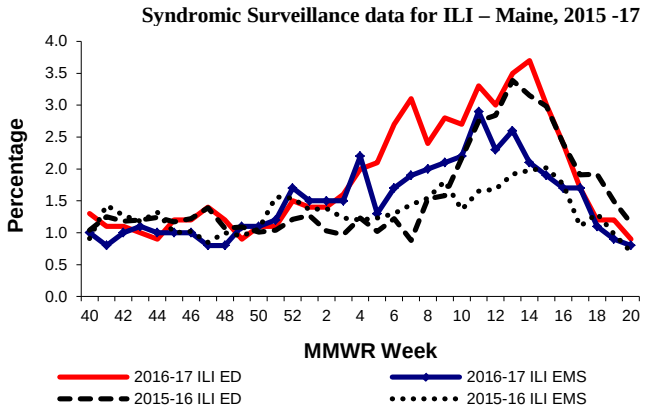
New This Week

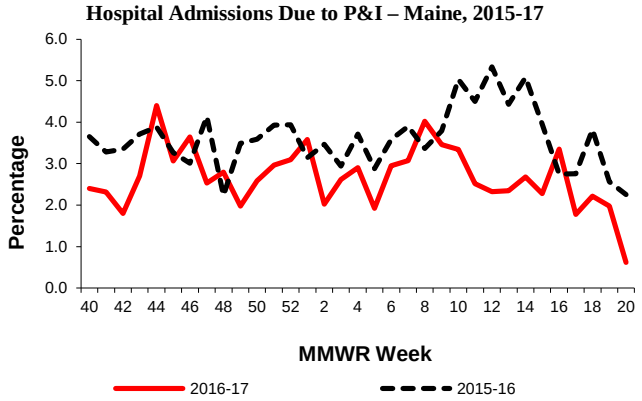
- Federal Flu Code: Regional
- One new hospitalization reported
- 2 new outbreaks reported

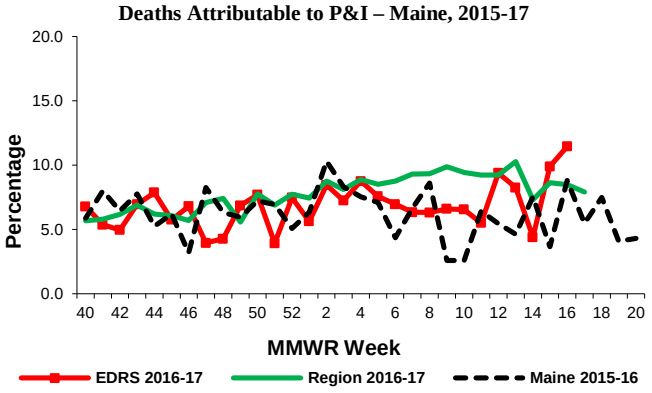
Surveillance Information – Maine, 2016-2017 Influenza Season

- Number of ILINet Providers reporting: 22
  - % of visits for Influenza-Like Illness (ILI): 0.46
- Syndromic Surveillance
  - % of Emergency Room visits for ILI: 0.9
  - % of Emergency Medical Services (EMS) runs for ILI: 0.8
- Number of Hospitals reporting: 1
  - % of admissions due to Pneumonia & Influenza (P&I): 0.6
- Electronic Death Reporting System
  - % of deaths due to P&I: no data







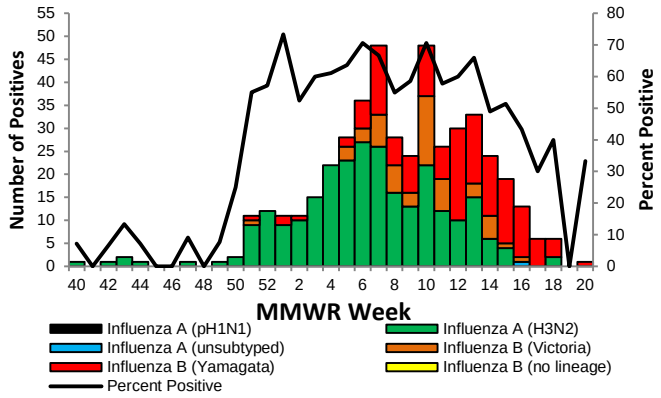


All data is preliminary and subject to change

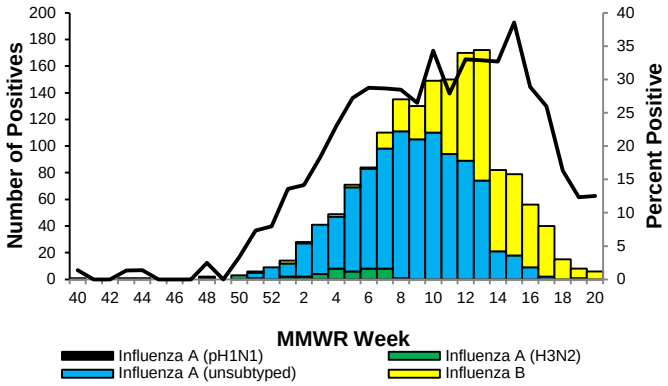
Lab Data – Maine, 2016-2017 Influenza Season

- # of samples tested at HETL: 3
  - # positive: 1
  - % positive: 33.3
- # of samples tested at Maine Reference Labs: 48 (*Missing 1 lab since week 14)
  - # positive: 6
  - % positive: 12.5
- # of samples positive by rapid antigen test: 3

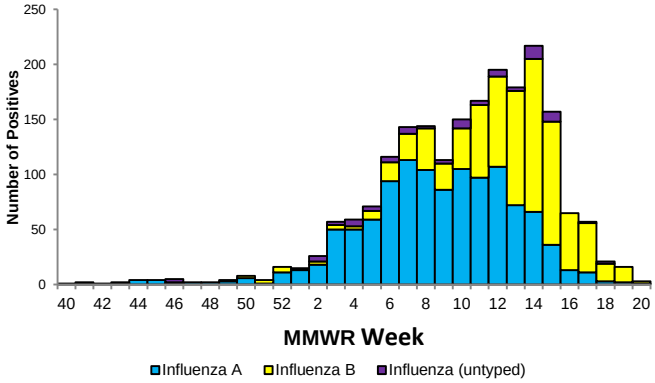
Positive PCR Samples for Influenza, HETL – Maine, 2016-17



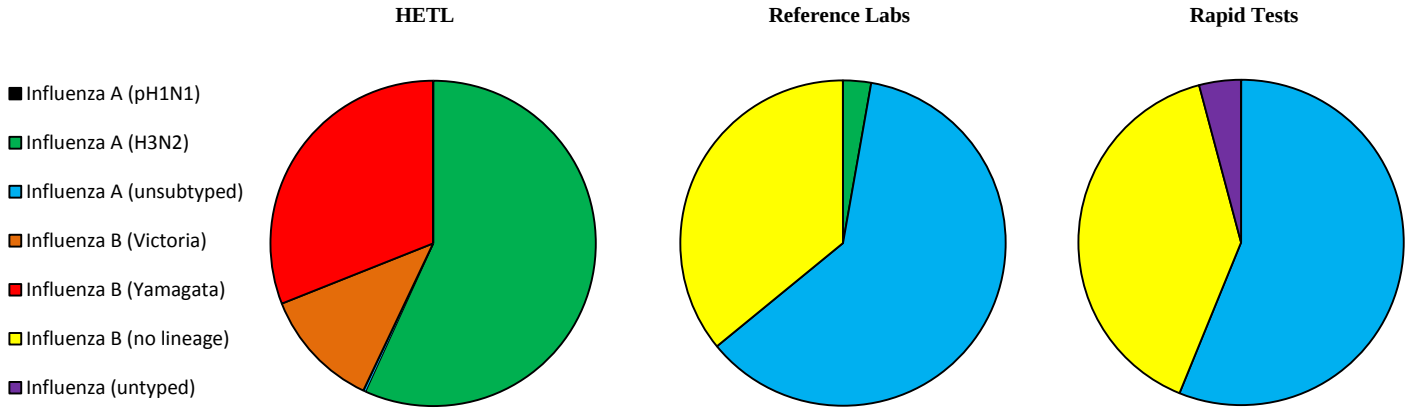
Positive Samples for Influenza, Maine Reference Labs – Maine, 2016-17



Positive Influenza Rapid Antigen Tests – Maine, 2016-17



Cumulative Influenza Positive Tests Reported to Maine CDC by Strain and Test Type



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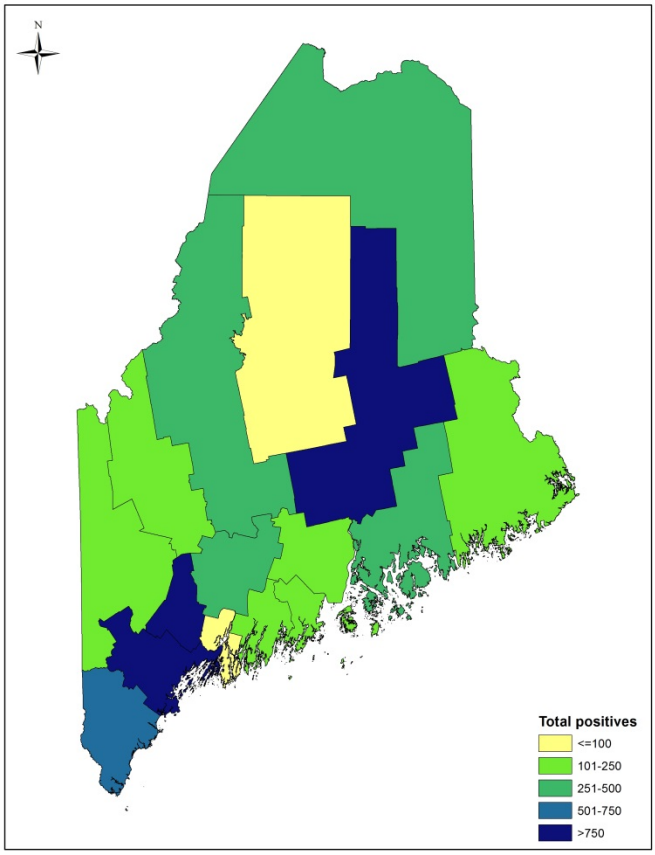
Geographic Distribution of Lab Tests, Maine 2016-17*

County	Positive labs		Hospitalizations	
	Tested this week	Total	New this week	Total
Androscoggin	1	816	0	49
Aroostook	1	413	0	20
Cumberland	2	822	1	161
Franklin	0	175	0	2
Hancock	1	265	0	31
Kennebec	1	321	0	25
Knox	0	178	0	79
Lincoln	0	112	0	39
Oxford	0	188	0	46
Penobscot	4	1241	0	127
Piscataquis	0	53	0	6
Sagadahoc	0	78	0	50
Somerset	0	294	0	10
Waldo	0	146	0	32
Washington	0	134	0	21
York	1	594	0	130
Total	**11**	**5830**	**1**	**828**

*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 2016-17



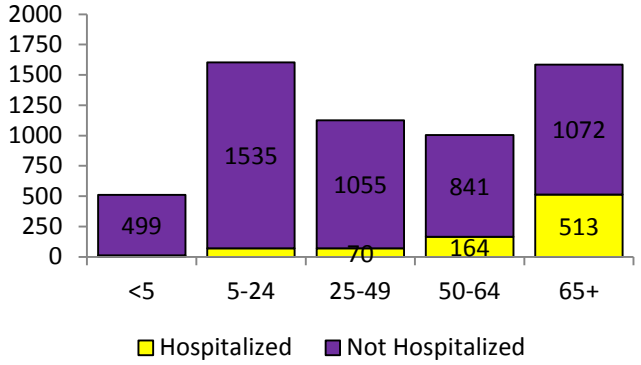
Antiviral Resistance – Maine, 2016-17 Influenza Season

- # 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: 212
  - # with resistance: 0

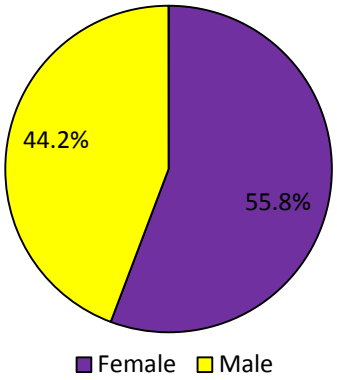
Age and Gender Information – Maine, 2016-17 Influenza Season

- Minimum Age: 3 weeks
- Mean Age: 42 years
- Maximum Age: 103 years
- Hospitalized Minimum Age: 6 months
- Hospitalized Mean Age: 65 years
- Hospitalized Maximum Age: 101 years

Positive Influenza Tests by Age – Maine, 2016-17



Positive Influenza Tests by Gender – Maine, 2016-17



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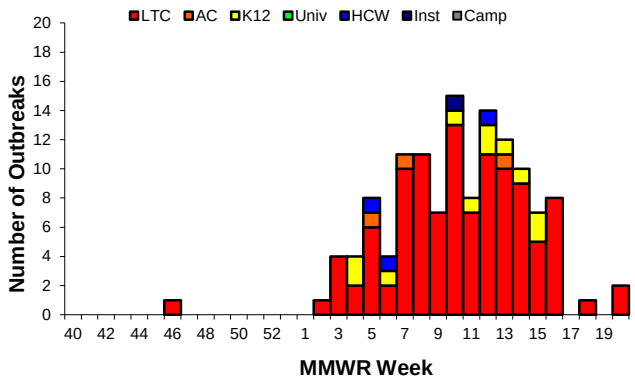
Antigenic Characterization (Vaccine Match)

- Federal CDC has antigenically characterized 1,708 influenza viruses since October 1,2016
  - 99.3% of influenza A/H1N1 samples match the vaccine strain
  - 95.1% of influenza A/H3 samples match the vaccine strain
  - 87.3% of influenza B/Victoria samples match the vaccine strain
  - 100% of influenza B/Yamagata samples match the vaccine strain

Influenza-Like Illness Outbreaks – Maine, 2016-17 Influenza Season

- # new outbreaks: 2
- Total outbreaks 2016-17 season: 128

Influenza-Like Illness Outbreaks by Facility Type – Maine, 2016-17



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, 2016-17

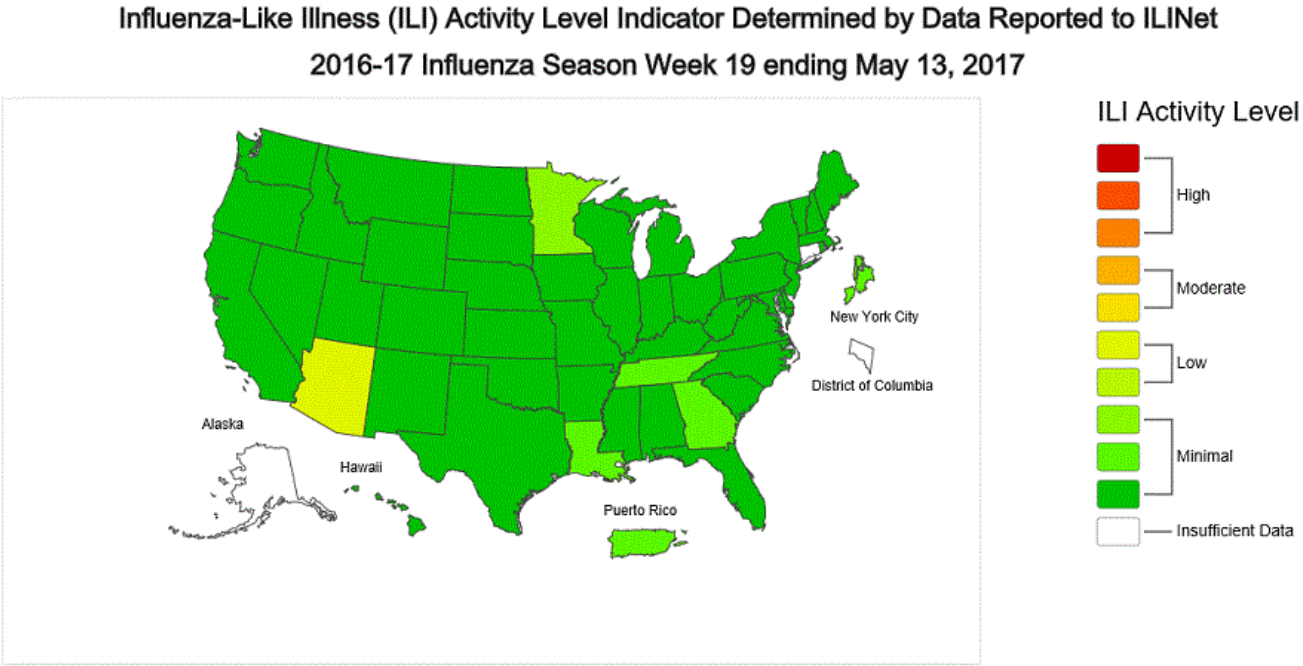
County	LTC	AC	K12	Univ	HCW	Inst	Camp	Total
Androscoggin	12	0	0	0	2	0	0	14
Aroostook	6	0	1	0	0	0	0	7
Cumberland	24	0	2	0	0	0	0	26
Franklin	0	0	3	0	0	0	0	3
Hancock	2	1	0	0	0	0	0	3
Kennebec	18	0	2	0	0	0	0	20
Knox	6	0	0	0	0	0	0	6
Lincoln	1	0	0	0	1	0	0	2
Oxford	8	0	0	0	0	0	0	8
Penobscot	10	0	0	0	0	0	0	10
Piscataquis	0	0	0	0	0	0	0	0
Sagadahoc	1	0	0	0	0	0	0	1
Somerset	3	0	1	0	0	0	0	4
Waldo	1	0	1	0	0	0	0	2
Washington	4	0	0	0	0	0	0	4
York	14	2	1	0	0	1	0	18
Total	**110**	**3**	**11**	**0**	**3**	**1**	**0**	**128**

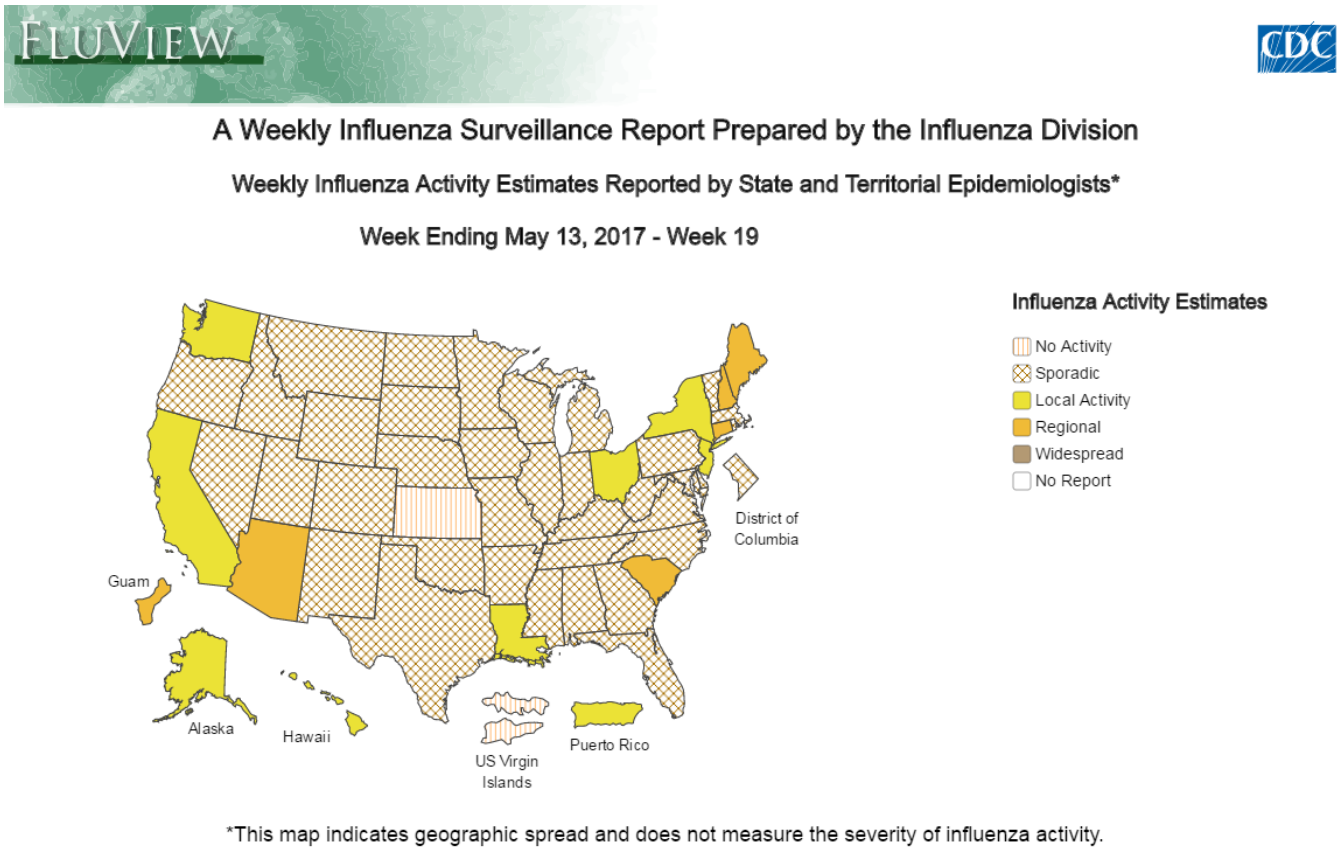
Pediatric Influenza Deaths

- No pediatric influenza-associated deaths reported during the 2016-17 influenza season

All data is preliminary and subject to change

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





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