Maine Weekly Influenza Surveillance Report

November 27, 2018

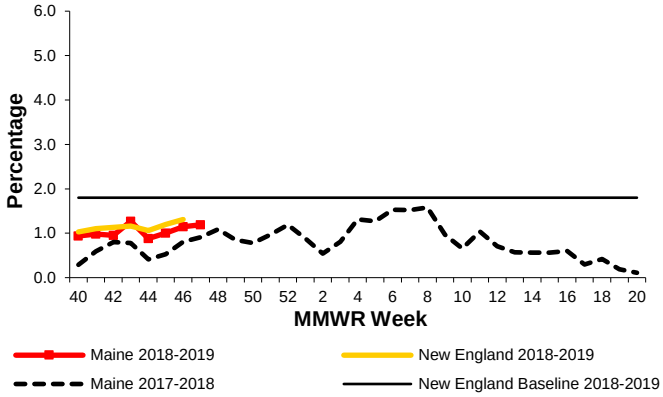
For MMWR week 47 (ending 11/24/2018)

Federal Flu Code: Sporadic

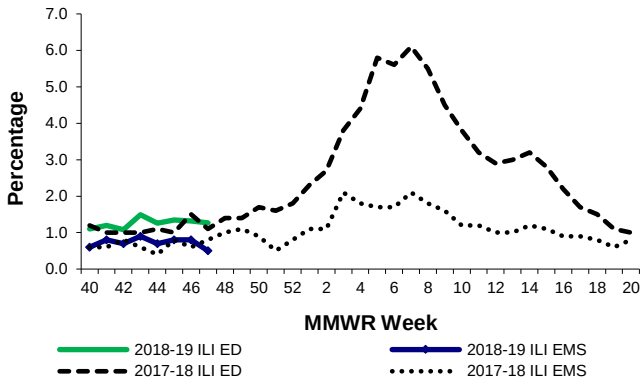
Surveillance Information – Maine, 2018-2019 Influenza Season

- Number of ILINet Providers reporting: 47
  - % of visits for Influenza-Like Illness (ILI): 1.19
- Syndromic Surveillance
  - % of Emergency Room visits for ILI: 1.27
  - % of Emergency Medical Services (EMS) runs for ILI: 0.5

Outpatient Visits for ILI – Maine, 2017-19



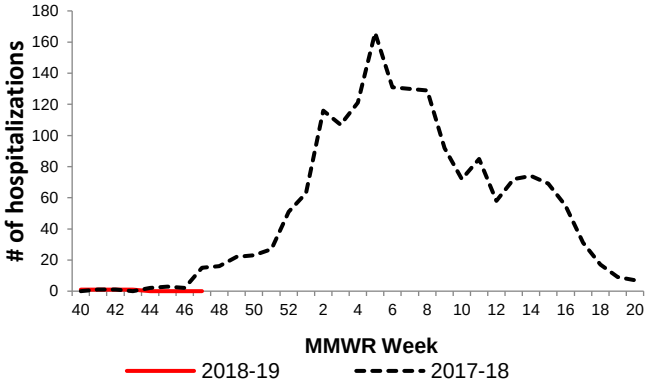
Syndromic Surveillance data for ILI – Maine, 2017 -19



Influenza Hospitalizations

- # of hospitalizations: 0

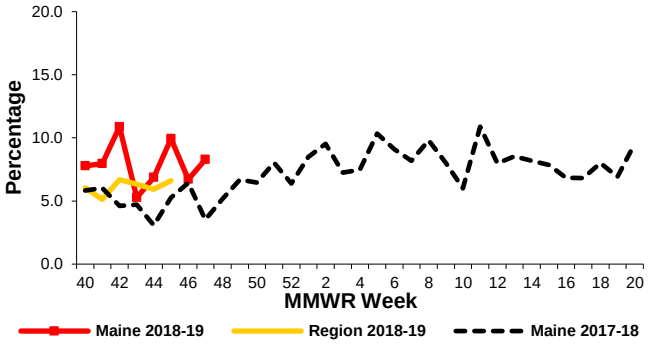
Influenza Hospitalizations – Maine, 2017-19



Pneumonia and Influenza (P&I) Deaths

- % of deaths due to P&I: 8.3
- # influenza deaths reported this week: 0
- Total influenza deaths this season: 0

Deaths Attributable to P&I – Maine, 2017-19

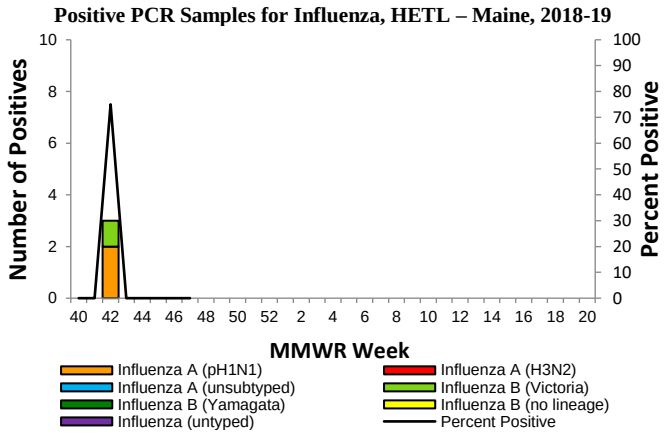


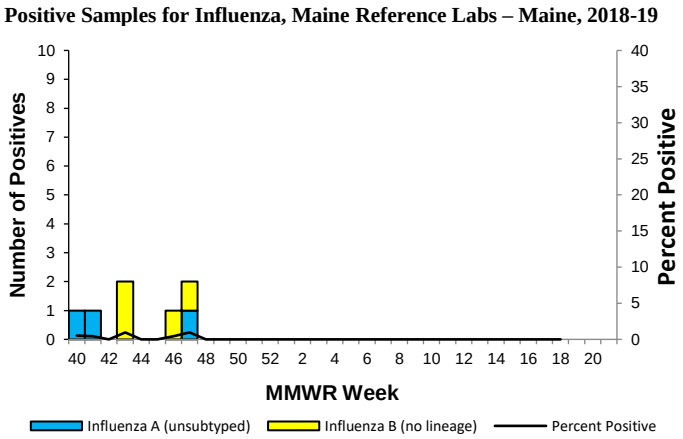
*This number represents the number of individuals who had influenza specifically listed on their death certificate. This is likely an underrepresentation of the true burden, as many influenza-associated deaths are due to secondary infections. This is why Maine CDC reports Pneumonia and Influenza (P&I) deaths.

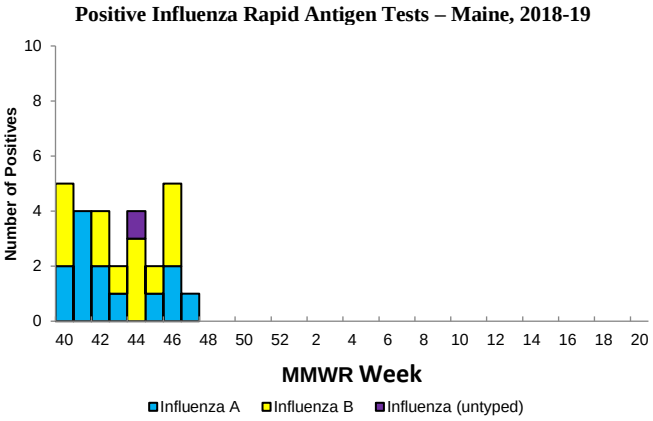
All data is preliminary and subject to change

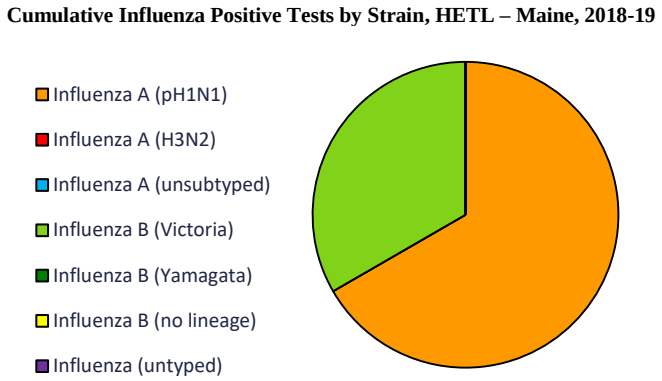
Lab Data – Maine, 2018-2019 Influenza Season

- # of samples tested at HETL: 7
  - # positive: 0
  - % positive: 0
- # of samples tested at Maine Reference Labs: 209
  - # positive: 2
  - % positive: 1.0
- # of samples positive by rapid antigen test: 1









Antiviral Resistance – Maine, 2018-19 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

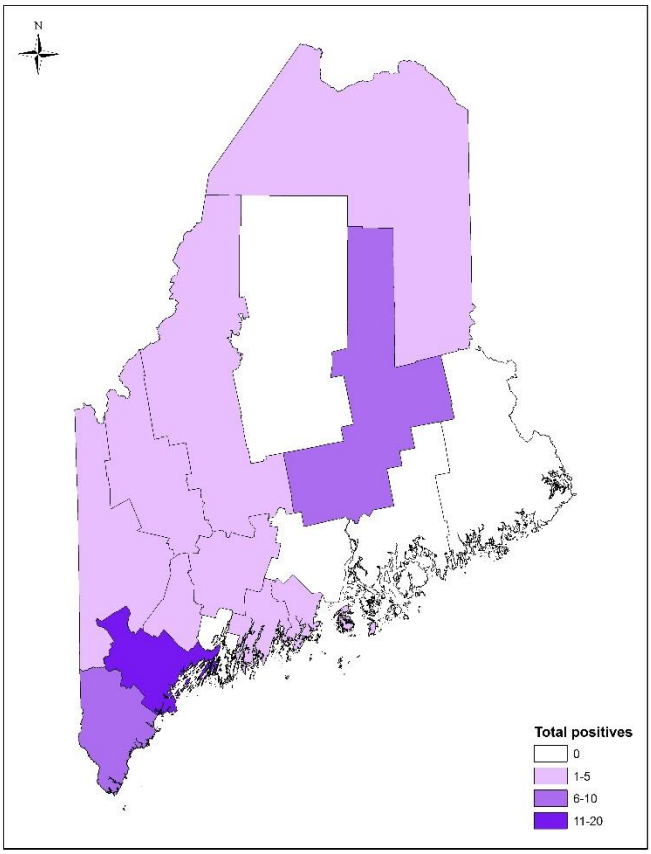
All data is preliminary and subject to change

Geographic Distribution of Lab Tests, Maine 2018-19*

County	Positive labs		Hospitalizations	
	Tested this week	Total	New this week	Total
Androscoggin	0	2	0	1
Aroostook	1	3	0	0
Cumberland	0	12	0	1
Franklin	0	3	0	0
Hancock	0	0	0	0
Kennebec	0	1	0	0
Knox	0	1	0	0
Lincoln	0	1	0	0
Oxford	0	1	0	0
Penobscot	0	6	0	1
Piscataquis	0	0	0	0
Sagadahoc	0	0	0	0
Somerset	0	1	0	0
Waldo	0	0	0	0
Washington	0	0	0	0
York	1	7	0	1
Total	**2**	**38**	**0**	**4**

*Only reported PCR, culture, and rapid antigen tests are included in the chart and map.

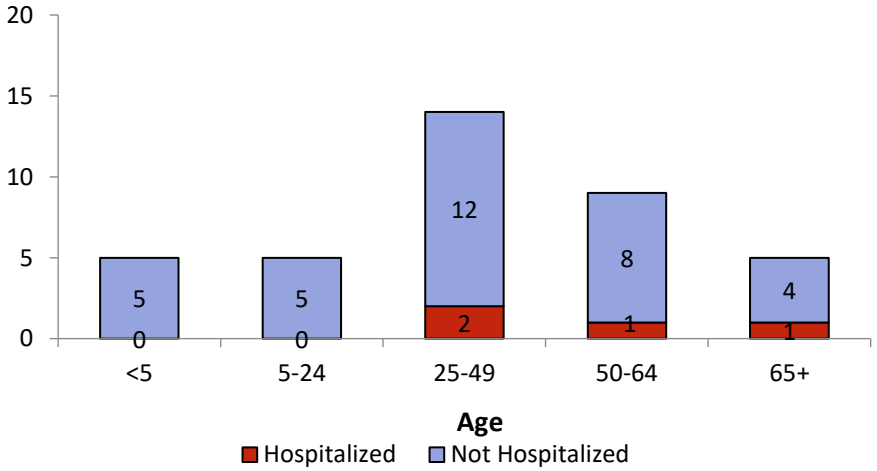
Positive Influenza Tests, Maine 2018-19



Age Information – Maine, 2018-19 Influenza Season

	Cases	Hospitalizations	Deaths
Minimum Age	8 months	43 years	NA
Mean Age	38 years	52 years	NA
Maximum Age	90 years	72 years	NA

Positive Influenza Tests by Age – Maine, 2018-19



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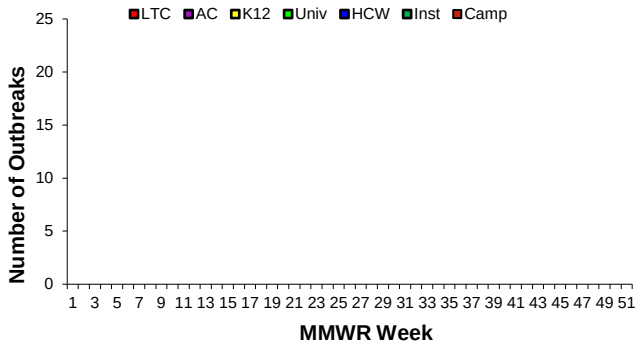
Antigenic Characterization (Vaccine Strain Match)

- Federal CDC has antigenically or genetically characterized 305 influenza viruses from May 20 – November 17, 2018.
  - 100% of influenza A/H1N1 samples match the vaccine strain
  - 92.9% of influenza A/H3N2 samples match the vaccine strain
  - 81.8% of influenza B/Victoria samples match the vaccine strain
  - 100% of influenza B/Yamagata samples match the vaccine strain
- Antigenic characterization shows if the circulating strains are the same strains that were used to make the vaccine. This does not tell you how effective the vaccine is at creating an immune response.

Influenza-Like Illness Outbreaks – Maine, 2018-19 Influenza Season

- # new outbreaks: 0
- Total outbreaks 2018-19 season: 0

Influenza-Like Illness Outbreaks by Facility Type – Maine, 2018-19



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, 2018-19

County	LTC	AC	K12	Univ	HCW	Inst	Camp	Total
Androscoggin	0	0	0	0	0	0	0	0
Aroostook	0	0	0	0	0	0	0	0
Cumberland	0	0	0	0	0	0	0	0
Franklin	0	0	0	0	0	0	0	0
Hancock	0	0	0	0	0	0	0	0
Kennebec	0	0	0	0	0	0	0	0
Knox	0	0	0	0	0	0	0	0
Lincoln	0	0	0	0	0	0	0	0
Oxford	0	0	0	0	0	0	0	0
Penobscot	0	0	0	0	0	0	0	0
Piscataquis	0	0	0	0	0	0	0	0
Sagadahoc	0	0	0	0	0	0	0	0
Somerset	0	0	0	0	0	0	0	0
Waldo	0	0	0	0	0	0	0	0
Washington	0	0	0	0	0	0	0	0
York	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0

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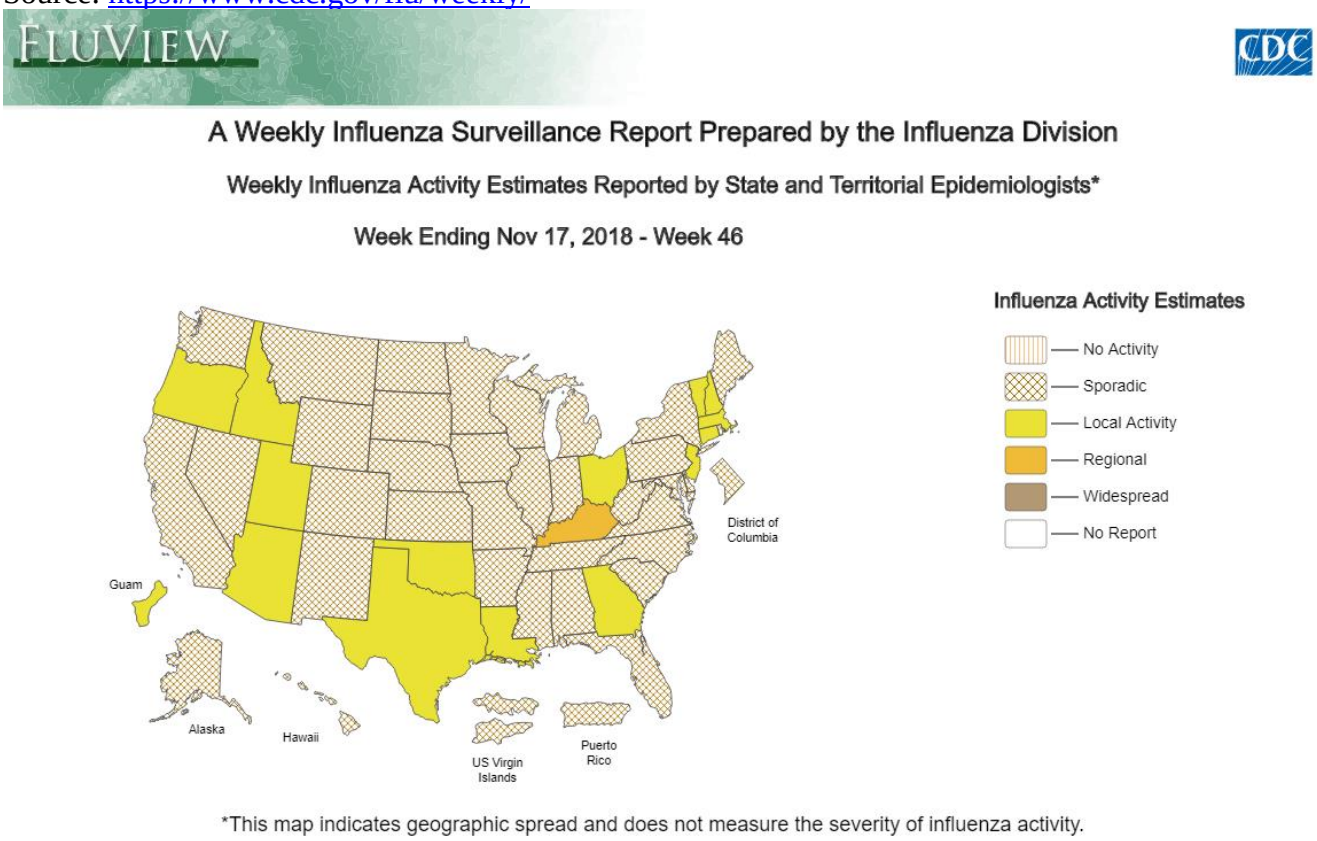
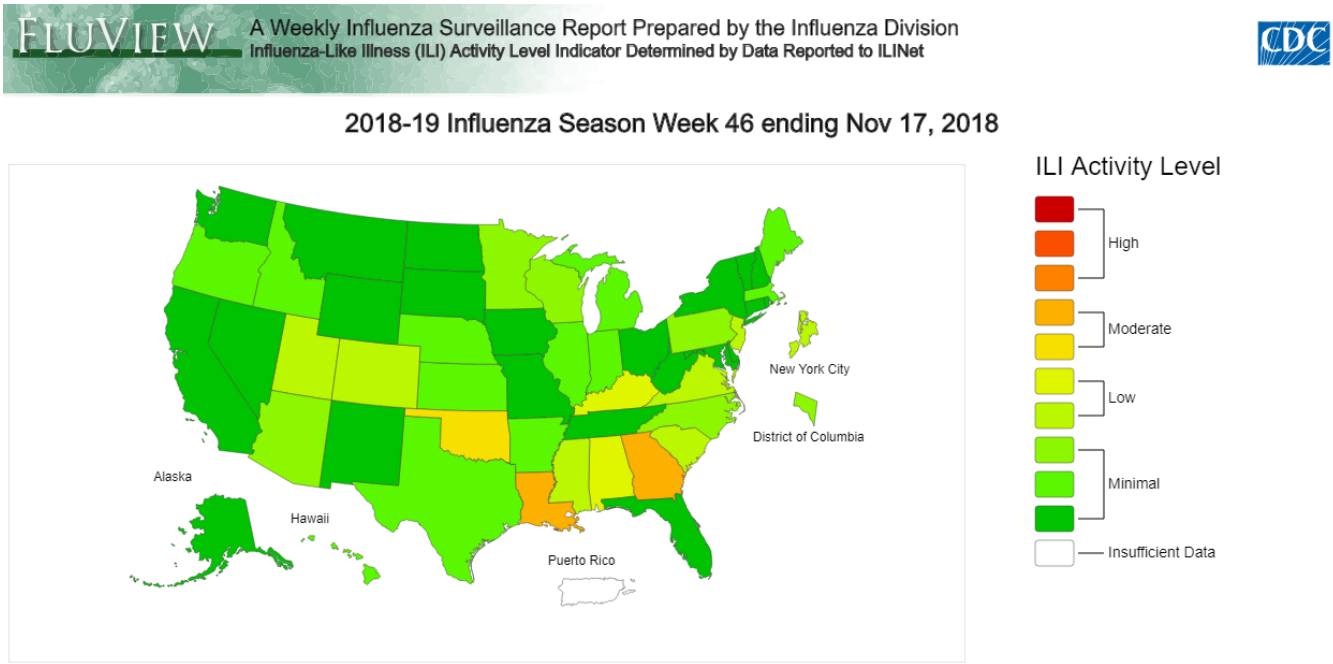
National Influenza Surveillance Data
Source: https://www.cdc.gov/flu/weekly/





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