

Disease Surveillance & Risk Report

No Report

No Activity

Sporadic

Local

Regional

Widespread

Severe

DEFINITION of Influenza-like or Flu-Like Illness: (ILI):

1) Fever > 100°F measured with a thermometer AND (2) Cough AND/OR sore throat in the absence of a known cause other than influenza

Madison County Flu Activity

Flu Activity for the week ending 11/19/16: No activity

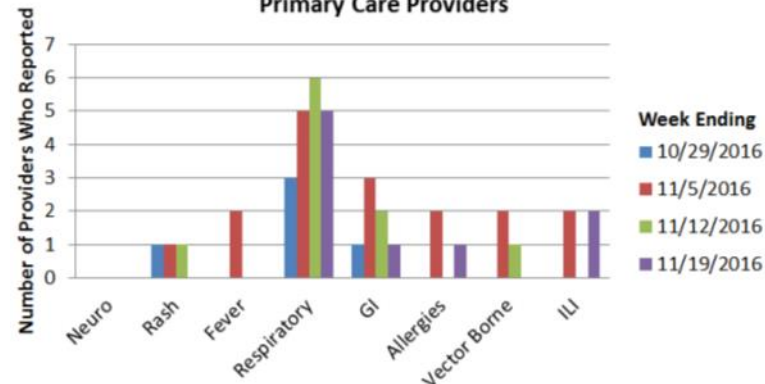
- Lab-confirmed flu: No reports this week. The season total to date is: 1 flu B
- County workforce*: No influenza-like illness (ILI) was reported
- Schools Districts*: 0.4% of children seen by school nurses from 12 reporting schools appeared with symptoms of influenza-like illness
- College Health Centers*: ILI was reported
- Primary Care Providers*: ILI was reported
- Hospitals: ILI was reported
- New York State Hospital Report (HERDS): No flu related hospitalizations were reported by hospitals in Madison County this season to date.
- Flu-Associated Pediatric Deaths: No reports season to date.



Madison County Disease Surveillance Updates, week ending 11/19/16

- Communicable Diseases Reported to the Health Department: 5 Chlamydia and 1 Salmonella were reported
- Primary Care Providers Reported*: Strep throat, ear infections, colds, upper respiratory infections (URI), pink eye, wheezing cough, pneumonia, gastrointestinal illness (GI), COPD exacerbations, influenza-like illness (ILI) were reported ; also refer to graph below.
- Hospital Weekly Surveillance*: Fever, GI, ILI, strep throat, neurologic symptoms, URI, and respiratory illness were reported
- Syndromic Surveillance in Emergency Departments: 11/13 - 11/22 mild/moderate sensitivity for neurologic symptoms
- College Health Centers*: Respiratory illness, gastrointestinal illness (GI), ILI, mono, dry coughs, URI, and strep throat were reported
- Medicaid Over-the-Counter (OTC) & Script Medication Alerts—10/30/16 to 11/8/16: mild/moderate sensitivity for 3rd and 4th Generation Cephalosporins (antibiotics)

Weekly Symptoms Reported Among Primary Care Providers



*Information denoted with an asterisk is subjective and provided on a voluntary basis.

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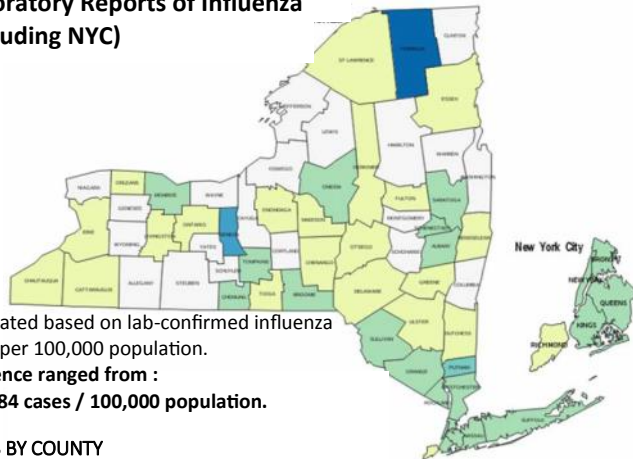
Severe

New York State Flu Activity

Flu Activity for the week ending 11/12/16: **Sporadic**

- Lab-Confirmed Flu: 77 reports, a 15% decrease over last week. Flu was reported in 21 counties.
- Flu-Related Hospitalizations: 38 reports, a 31% increase over last week.
- A select group of providers (“sentinel providers”) across the state (outside of NYC) reported the percentage of office visits due to complaints of flu-like illness (ILI) was 0.55%; this an increase from last week, however, this remains *below* the regional baseline of 2.3%.
- Flu-Associated Pediatric Deaths: No report this week. No deaths have been reported this season.

Laboratory Reports of Influenza (including NYC)



Calculated based on lab-confirmed influenza cases per 100,000 population.

Incidence ranged from :
0–11.84 cases / 100,000 population.

CASES BY COUNTY

- No cases reported this season
- Cases reported previously this season, but not this week
- 0.01-1.99 cases/100,000 population
- 2-4.99 cases/100,000 population
- 5-9.99 cases/100,000 population
- Greater than or equal to 10 cases/100,000 population

Source: New York State Department of Health. *Influenza Surveillance, Activity and Reports, 2015-16.*
<http://on.ny.gov/1GTxdpF>

United States Flu Activity

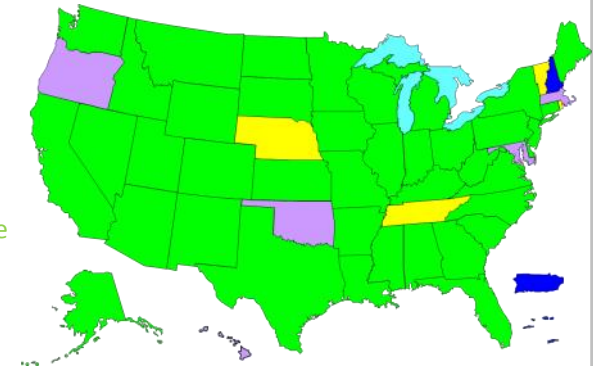
Flu Activity for the week ending 11/12/16 (week 45): **Sporadic**

Flu activity *remained low* in the U.S.

Geographic Flu Activity Summary:

- **Widespread influenza activity was reported by Guam**
- **Regional influenza activity was reported by Puerto Rico, the U.S. Virgin Islands, and one state**
- **Local influenza activity was reported by the five states**
- **Sporadic influenza activity was reported by the District of Columbia and 40 states**
- No activity was reported by four states

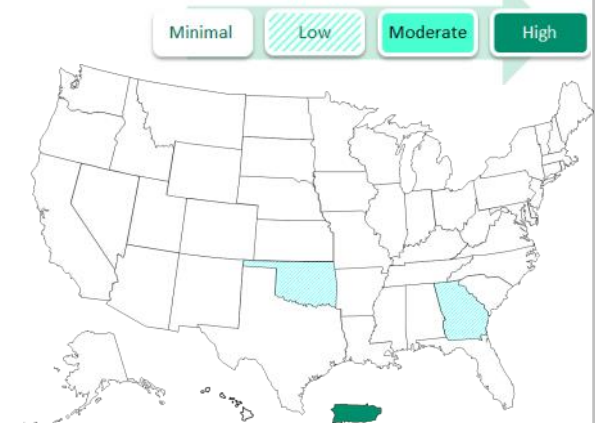
Figure 1: Geographic Spread of Influenza as Assessed by State and Territorial Epidemiologists (This figure does not measure the severity of influenza activity.)



Surveillance Summary:

- ILI activity was high for Puerto Rico, low in two states and minimal for NYC and 48 states.
- 5.4% of all deaths reported through the National Center for Health Statistics mortality surveillance data occurring during week 43 ending 10/29, were attributed to pneumonia and flu as of Nov. 12; this is below the week 43 epidemic threshold of 6.7%.
- Outpatient illness visits reported through the U.S. ILI Network was 1.6%, this percentage is below the national baseline of 2.2%. One of 10 regions in the U.S. reported flu-like illness *above* their region-specific baselines.
- No flu-associated pediatric deaths have been reported this season to date.

Figure 2: ILI Activity from ILINet Data



ILI Net Data based on percent of outpatient visits in states due to ILI, more on Fig. 2 at: <http://1.usa.gov/1d3PGtv>

Sources: *FluView: Weekly U.S. Influenza and Surveillance Report.* Centers for Disease Control and Prevention. <http://1.usa.gov/1eDDFhh>