

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

Madison County Disease Surveillance Updates

Flu Activity for the week 16, ending 4/22/17:

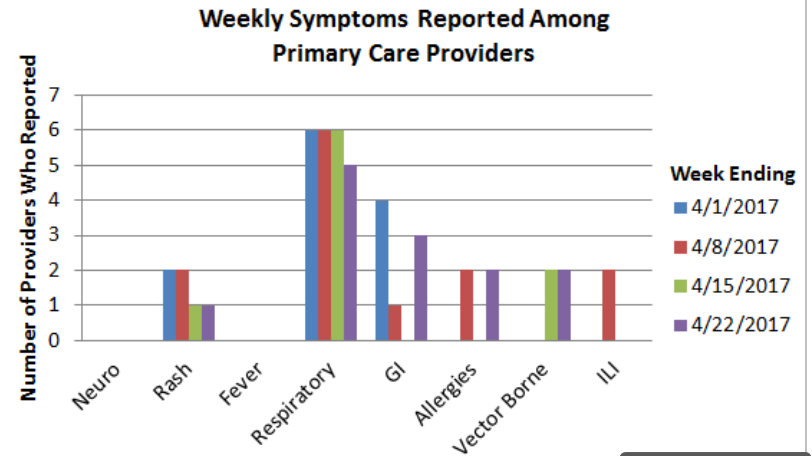
Widespread

- Lab-confirmed flu: 18 laboratory confirmed flu (3 flu Type A and 15 flu Type B) were reported. The season total to date of reported flu cases is: 473.
- College Health Centers*: Flu and ILI was reported
- Schools Districts*: No report due to spring break
- Primary Care Providers*: Flu was reported
- New York State Hospital Report (HERDS): five flu related hospitalization reported by hospitals in Madison County for week 16. A total of 43 flu-related hospitalizations have been reported this season to date in Madison County.



Reports for the week ending 4/22/17:

- Communicable Diseases Reported to the Health Department: 6 chlamydia and 1 syphilis
- Primary Care Providers Reported*: rashes, respiratory infections, gastrointestinal illness (GI), allergies, flu, strep, pneumonia, COPD exacerbations, URI, pink eye, chest congestion, and tick bites
- College Health Centers Reported*: respiratory illness, GI, flu, ILI strep, URI, sore throats, strep, pink eye (conjunctivitis), URI, tonsillitis, and mono
- Schools Districts Reported*: no report due to spring break
- Hospital Weekly Surveillance*: fever, rashes, respiratory infections, flu, GI, URI, shingles, strep, and pneumonia
- Syndromic Surveillance in Emergency Departments 4/14/17 to 4/23/17: mild to moderate sensitivity for rashes
- Medicaid Over-the-Counter (OTC) & Script Medication Alerts—3/28/17 to 4/6/17: mild to moderate sensitivity for Analgesics-Non Narcotics (non-narcotic pain medicines), herpes agents, and macrolide antibiotics



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

**Neurologic can include non-specific diagnosis of neurological infection (e.g. Meningitis, Encephalitis, etc.) or non-specific conditions (e.g. headache, numbness, dizziness, blurry/double vision, speech difficulty, confusion, disorientation, or anxiety)

Disease Surveillance & Risk Report

No Report

No Activity

Sporadic

Local

Regional

Widespread

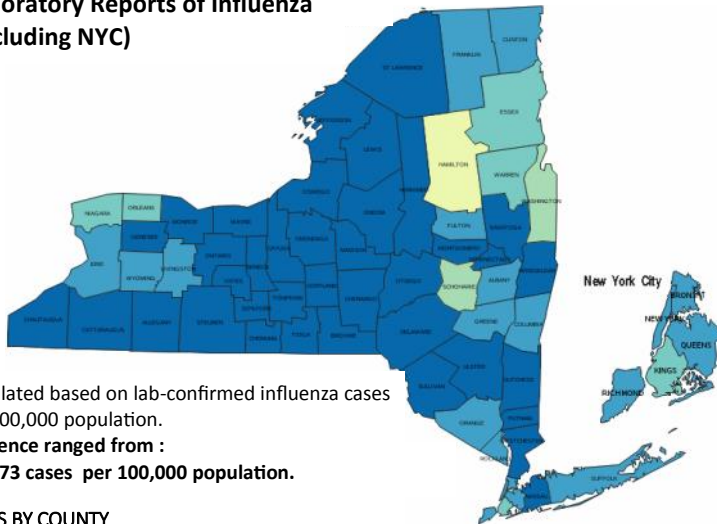
Severe

New York State Flu Activity

Flu Activity for the week ending 4/15/17 (week 15): **Widespread**

- Lab-Confirmed Flu: 2,220, a 21% decrease over last week. Flu was reported in 61 counties.
- Flu-Related Hospitalizations: 400 reports, a 6% increase over last week.
- A select group of providers across the state (outside of NYC) reported the percentage of office visits due to complaints of flu-like illness (ILI) was 3.58; this is a decrease from last week, but remains above the regional baseline of 3.0%.
- Flu-Associated Pediatric Deaths: None reported this week. There have been eight flu-associated deaths this season to date.

Laboratory Reports of Influenza (including NYC)



Calculated based on lab-confirmed influenza cases per 100,000 population.
Incidence ranged from : 0-84.73 cases per 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 4/15/17 (week 15): **Regional**

Flu activity *decreased*.

Geographic Flu Activity Summary (Fig. 1):

- **Widespread** influenza activity was reported by 10 states
- **Regional** influenza activity was reported by Guam, Puerto Rico, and 15 states
- Local influenza activity was reported by the District of Columbia and 19 states
- **Sporadic** activity was reported by six states
- No influenza activity was reported by the U.S. Virgin Islands.

Surveillance Summary:

- Two states experienced moderate ILI activity; New York City and three states experienced low ILI activity; Puerto Rico and 45 states experienced minimal ILI activity (Fig 2).
- Based on pneumonia and influenza (P&I) mortality data, 7.2% of deaths during week 13 were due to P&I; this is below the epidemic threshold of 7.3% for week 13.
- Outpatient illness visits reported through the U.S. ILI Network was 2.0%, this below the national baseline of 2.2%. Three of 10 U.S. regions reported ILI at or above their region-specific baselines.
- Five flu-associated pediatric deaths were reported. To date, 77 deaths have been reported for the 2016-17 flu season.

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

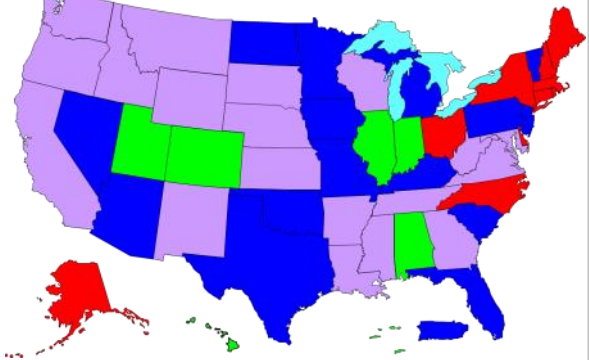


Figure 2: ILI Activity from ILINet Data



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>