

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 14, ending 4/8/17:

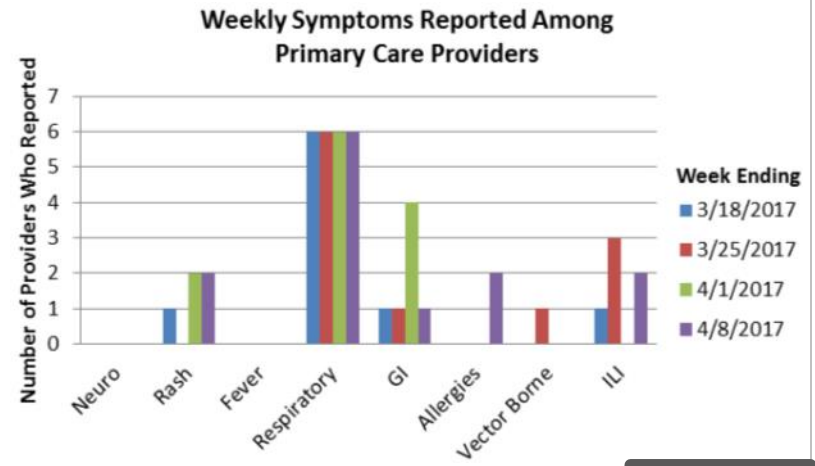
Widespread

- Lab-confirmed flu: 26 laboratory confirmed flu (4 flu Type A and 22 flu Type B) were reported. The season total to date of reported flu cases is: 419.
- Schools Districts*: 0.8% of children seen by school nurses appeared with symptoms of influenza-like illness.
- College Health Centers*: Flu reported
- Primary Care Providers*: Flu and ILI were reported
- New York State Hospital Report (HERDS): One flu related hospitalization reported by hospitals in Madison County for week 14. A total of 32 flu-related hospitalizations have been reported this season to date in Madison County.



Reports for the week ending 4/8/17:

- Communicable Diseases Reported to the Health Department: 4 Chlamydia and 2 new chronic Hepatitis C
- Primary Care Providers Reported*: Rashes, respiratory infections, gastrointestinal illness (GI), allergies, ILI, flu, upper respiratory infections (URI), strep, sore throats, pharyngitis, ear infections, asthma, and sinus infections (sinusitis)
- College Health Centers*: Respiratory illness, URI, flu, strep, viral tonsillitis, colds, and mononucleosis (mono)
- Schools Districts*: Strep, croup, GI, sore throats, colds, conjunctivitis (pink eye), flu, and sinus infections
- Hospital Weekly Surveillance*: Rashes, fever, flu, respiratory illness, GI, and URI
- Syndromic Surveillance in Emergency Departments 3/31/17 to 4/9/17: No reports
- Medicaid Over-the-Counter (OTC) & Script Medication Alerts— 3/18/17 to 3/27/17: No alerts



*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)

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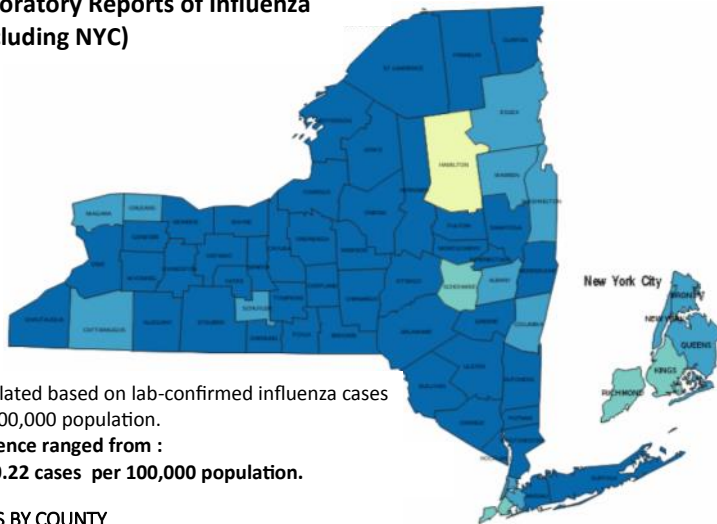
No Report No Activity Sporadic Local Regional Widespread Severe

New York State Flu Activity

Flu Activity for the week ending 4/1/17 (week 13): Widespread

- Lab-Confirmed Flu: 2,613, an 11% *increase* over last week. Flu was reported in 61 counties.
- Flu-Related Hospitalizations: 385 reports, a 7% *decrease* 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 5.78; this is an *increase* from last week, and is *above* the regional baseline of 3.0%.
- Flu-Associated Pediatric Deaths: One report 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 : 0-100.22 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

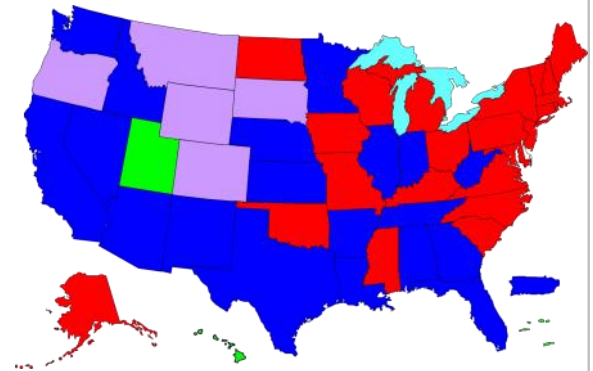
Flu Activity for the week ending 4/1/17 (week 13): Widespread

Flu activity *remained elevated.*

Geographic Flu Activity Summary (Fig. 1):

- **Widespread** influenza activity was reported by 24 states
- **Regional** influenza activity was reported by Guam, Puerto Rico, and 19 states
- **Local** influenza activity was reported by the District of Columbia and five states
- **Sporadic** activity was reported by two states
- No influenza activity was reported by the U.S. Virgin Islands.

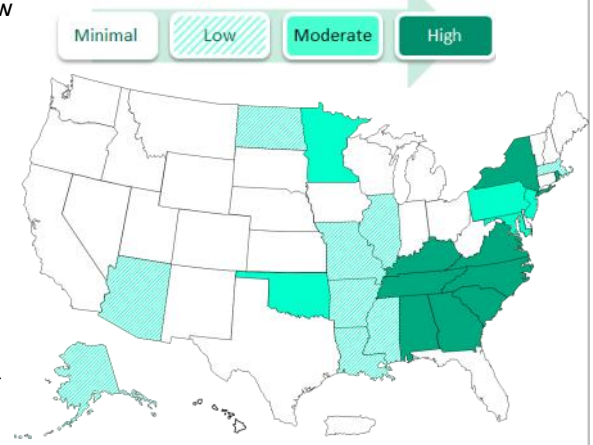
Figure 1: Geographic Spread of Influenza as assessed by State and Territorial Epidemiologists (This figure does not measure the severity of influenza activity.)



Surveillance Summary:

- Nine states experienced high ILI activity; Five states experienced moderate ILI activity; New York City and nine states experienced low ILI activity; Puerto Rico and 27 states experienced minimal ILI activity (Fig 2).
- Based on pneumonia and influenza (P&I) mortality data, 7.3% of deaths during week 11 were due to P&I; this is *above* the epidemic threshold of 7.4% for week 11.
- Outpatient illness visits reported through the U.S. ILI Network was 2.9%, this *above* the national baseline of 2.2%. Six of 10 U.S. regions reported ILI *at or above* their region-specific baselines.
- Seven flu-associated pediatric deaths have been reported. To date, 68 deaths have been reported for the 2016-17 flu season.

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>