

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 5, ending 2/4/17:

Widespread

- Lab-confirmed flu: 18 laboratory confirmed flu (17 flu Type A and 1 flu Type B) were reported. The flu season total to date is: 89 (83 flu type A and 6 flu type B).
- County workforce*: No reports
- Schools Districts*: 0.5% of children seen by school nurses appeared with symptoms of influenza-like illness; a slight decrease from 0.6% in week 4.
- College Health Centers*: ILI and flu were reported
- Primary Care Providers*: ILI and flu were reported
- New York State Hospital Report (HERDS): No flu related hospitalization reported by hospitals in Madison County for week 5. A total of 12 flu-related hospitalizations have been reported this season to date in Madison County.
- Flu-Associated Pediatric Deaths: No reports this season to date.

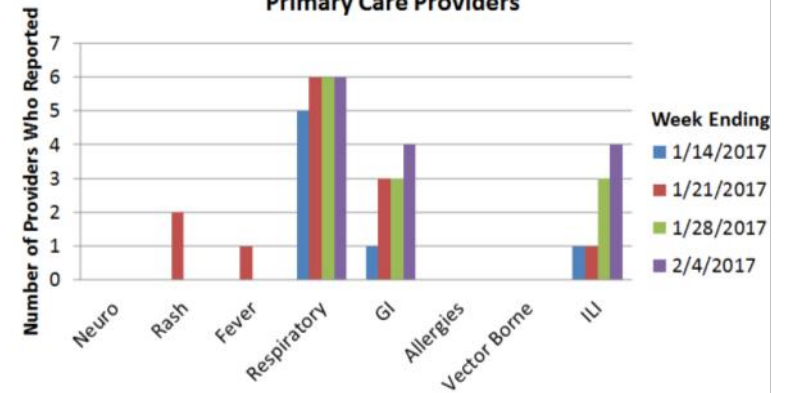


Madison County Disease Surveillance Updates

Reports for the week ending 2/4/17:

- Communicable Diseases Reported to the Health Department: 4 Chlamydia, 2 new chronic Hepatitis C, 1 Gonorrhea, 1 Lyme disease, and 1 Syphilis
- Primary Care Providers Reported*: Upper respiratory infections (URI), flu, ILI, respiratory infections, sinus infections (sinusitis), gastrointestinal illness (GI), strep throat, sore throats, coughs, bronchitis, wheezing, ear infections, and asthma
- College Health Centers*: Respiratory illness, colds, GI, ILI, flu, URI, strep throat, and sexually transmitted infections
- Schools Districts*: Stomach bug/GI with some vomiting and fever, strep, sore throats, colds, coxsackie virus, URI, mono, coughs, sinusitis, pneumonia
- Hospital Weekly Surveillance*: Flu, URI, ILI, GI, strep throat, fever, respiratory illness, and respiratory syncytial virus (RSV)
- Syndromic Surveillance in Emergency Departments—1/27/17 to 2/4/17: No reports
- Medicaid Over-the-Counter (OTC) & Script Medication Alerts—1/13/17 to 1/22/17: Moderate sensitivity for 3rd & 4th Generation Cephalosporin's (antibiotics), mild to moderate sensitivity for Penicillinase-Resistant antibiotics

Weekly Symptoms Reported Among Primary Care Providers



*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

This report does *not reflect* the severity of flu activity.

Week Ending: February 4, 2017

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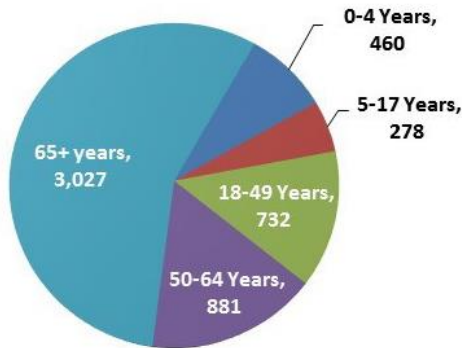
Severe

New York State Flu Activity

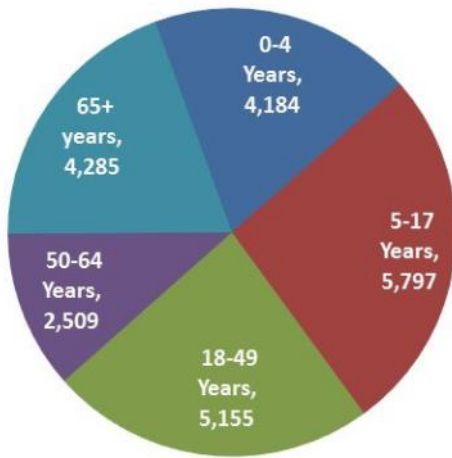
Flu Activity for the week ending 1/28/17: **Widespread**

- Lab-Confirmed Flu:** 5,235 reports, a 20% increase over last week. Flu was reported in 61 counties and the incidence (or number of new lab-confirmed flu cases) ranged from: 0–84.99 cases / 100,000 population.
- Flu-Related Hospitalizations:** 961 reports, a 4% 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 9.19%; 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 four flu-associated deaths this season to date.

Patients Hospitalized with Laboratory-confirmed Influenza reported to NYSDOH, By Age Group, 2016-17 Season (N=5,378)



Positive Influenza Laboratory Results reported to NYSDOH, By Age Group, 2016-17 Season (N=22,083)



* The totals by age groups exclude 153 cases for which age was not reported.

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

United States Flu Activity

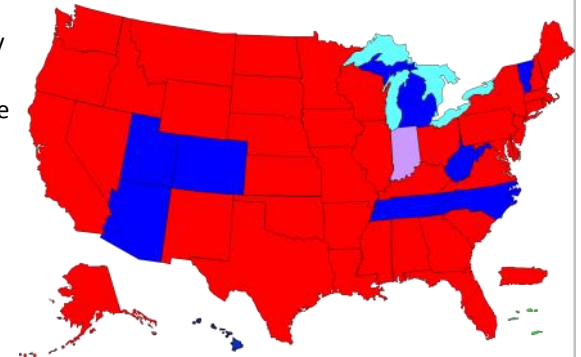
Flu Activity for the week ending 1/28/17 (week 4): **Widespread**

Flu activity continued to increase in the U.S.

Geographic Flu Activity Summary (Fig. 1):

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

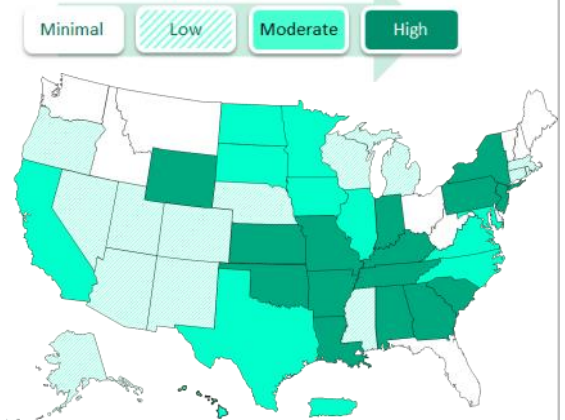
Figure 1: Geographic Spread of Influenza as Assessed by State and Territorial Epidemiologists (This figure does not measure the severity of influenza activity.)



Surveillance Summary:

- NYC and 15 states experienced high ILI activity; Puerto Rico and 11 states experienced moderate ILI activity; 14 states experienced low ILI activity; 10 states experienced minimal ILI activity (Fig 2).
- Pneumonia and flu mortality data for the week ending 1/14/17 will not be published this week due to data processing problem.
- Outpatient illness visits reported through the U.S. ILI Network was 3.9%, this percentage is above the national baseline of 2.2%. All 10 regions in the U.S. reported flu-like illness at or above their region-specific baselines.
- Seven flu-associated pediatric deaths were reported. A total of 15 deaths have been reported for the 2016-17 flu 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>