

Stark County's Influenza Weekly Report

Week 44 (10/29/17-11/4/17)

During Week 44:

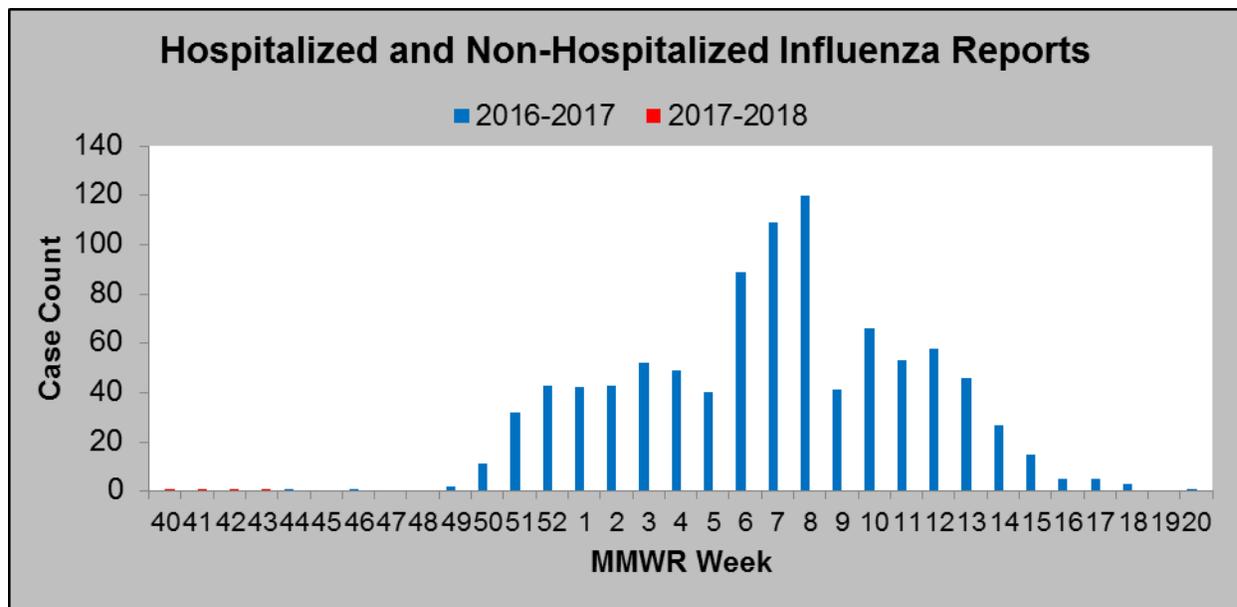
- During week 44 Stark County had zero influenza-associated hospitalizations.
- The national cumulative rate for laboratory-confirmed influenza-associated hospitalizations per 100,000 is not available yet this season.
- During week 44, 108 influenza A specimens were collected nationally from public health laboratories, 10 subtyped as the 2009 H1N1 virus and 91 subtyped as the H3 virus.
- There were no influenza-associated pediatric deaths reported during week 44.

Viruses Circulating vs. Viruses in this Year's Vaccine:

- Nationally, 134 of the influenza A (H3N2) viruses collected prior to November 4, 2017 were antigenically characterized. Of those characterized 97% were components in this year's influenza vaccine.
- There were 56 influenza A (H1N1) viruses collected and 100% matched the influenza A (H1N1) component in this year's vaccine.
- There were 91 specimens characterized nationally as Influenza B. Of these, 59 subtyped from the Yamagata Lineage and 32 subtyped from the Victorian Lineage. Of these specimens 88% matched the Influenza B component of the 2017-2018 vaccine.

Graph 1: Influenza Cases Reported to the Local Health Department.

- ◆ There were zero cases of hospitalized or non-hospitalized influenza to report for Week 44 in Stark County.

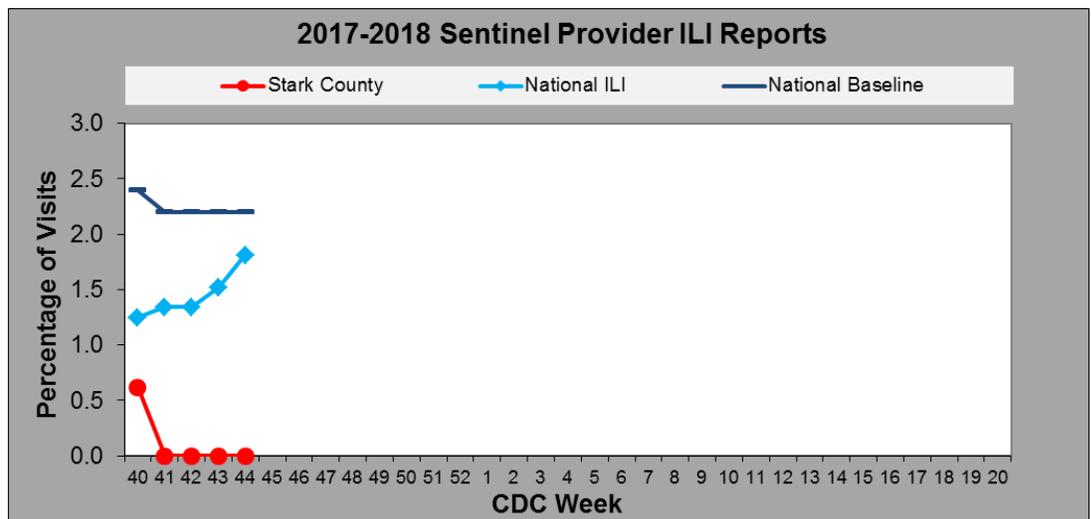


* All data presented in this weekly report are preliminary and may change as additional information is received.

* Multiyear averages included in this weekly report do not include the 2009/2010 H1N1 season.

Graph 2: Sentinel Provider Reported Influenza Like Illness (ILI) in Stark County.

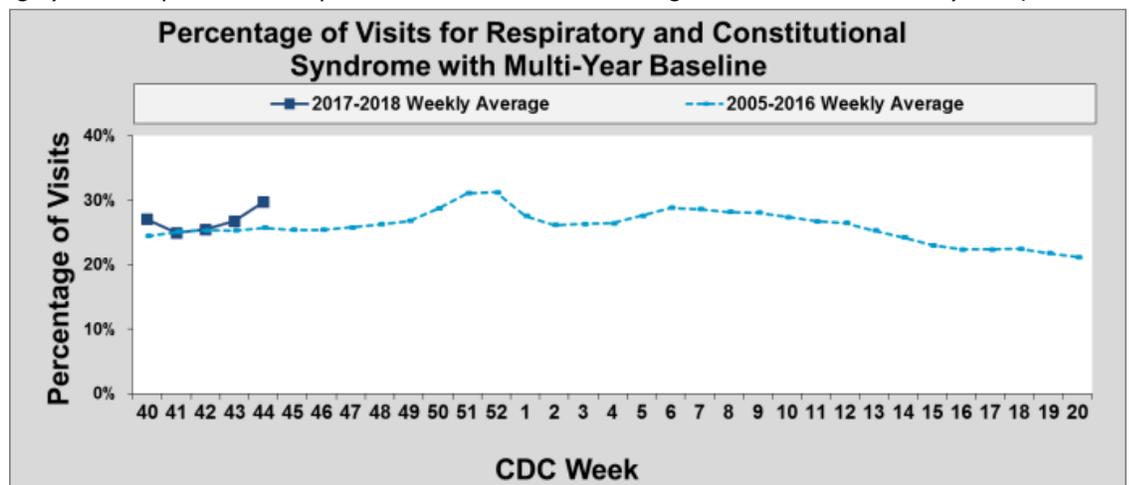
- ◆ During week 44 the Stark County Sentinel Providers reported zero visits for ILI. Nationally 1.8% of visits are for ILI. The national baseline is 2.2% of visits.



Graph 3: Emergency Department Visits for Respiratory and Constitutional Syndromes.

(Source: Health Monitoring Systems, EpiCenter, Hospital and Stat Care Patient Registration Surveillance System)

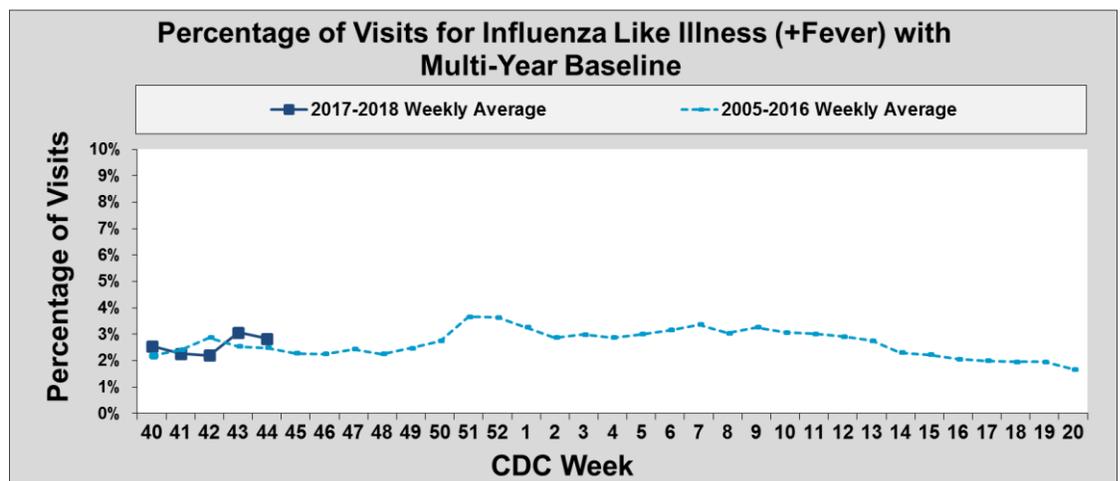
- ◆ ED and Stat Care visits for respiratory and constitutional syndrome were well above the 10 year average for Week 44.



Graph 4: Emergency Department (ED) Visits for Influenza Like Illness (+Fever).

(Source: Health Monitoring Systems, EpiCenter, Hospital and Stat Care Patient Registration Surveillance System)

- ◆ ED and Stat Care visits for ILI + Fever for MMWR week 44 were slightly above the multi-year average.



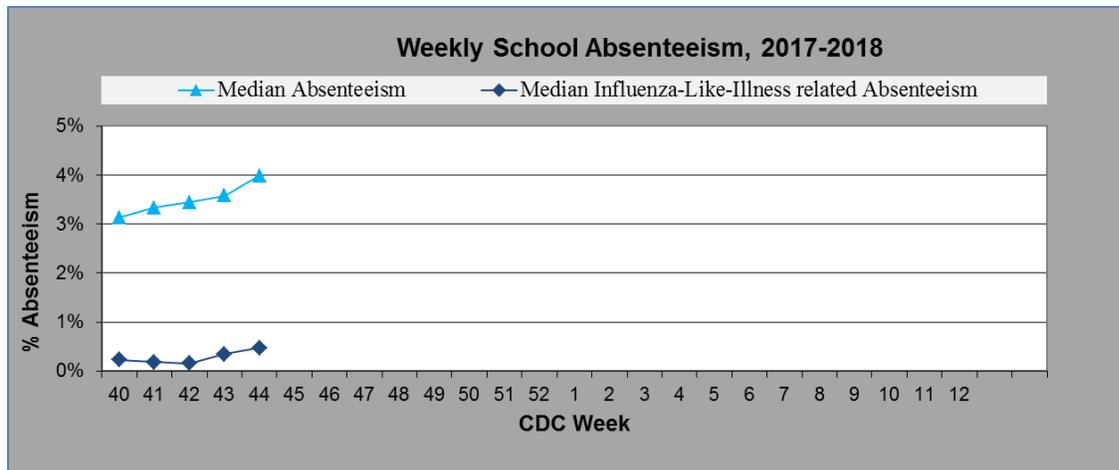
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Graph 5: Stark County School Absenteeism.

(Source: Voluntary reporting by multiple school districts throughout the county)

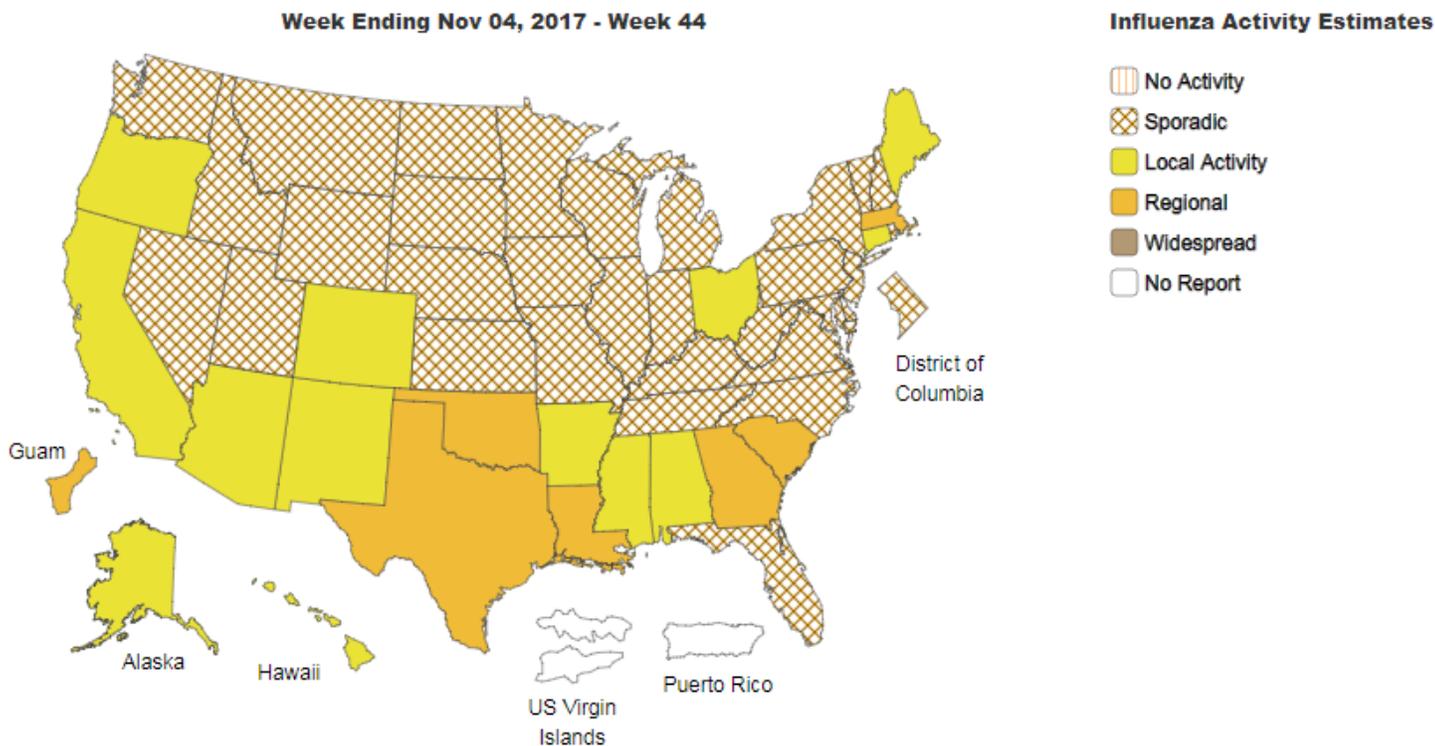
◆ During week 44, there were 56 schools reporting absenteeism. Of those, a median of 3.99% of students were absent and a median of 0.47% absent due to ILI.



Map: Weekly Geographic Influenza Activity Estimates Reported by State and Territorial Epidemiologists Syndromes.

(Source: Health Monitoring Systems, EpiCenter, hospital and stat care patient registration surveillance system)

Week Ending Nov 04, 2017 - Week 44



◆ During week 44, Ohio reported local influenza activity. 7 states or territories had regional activity reported.

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