

Stark County's Influenza Weekly Report

Week 40 (10/1/17-10/7/17)

During Week 40:

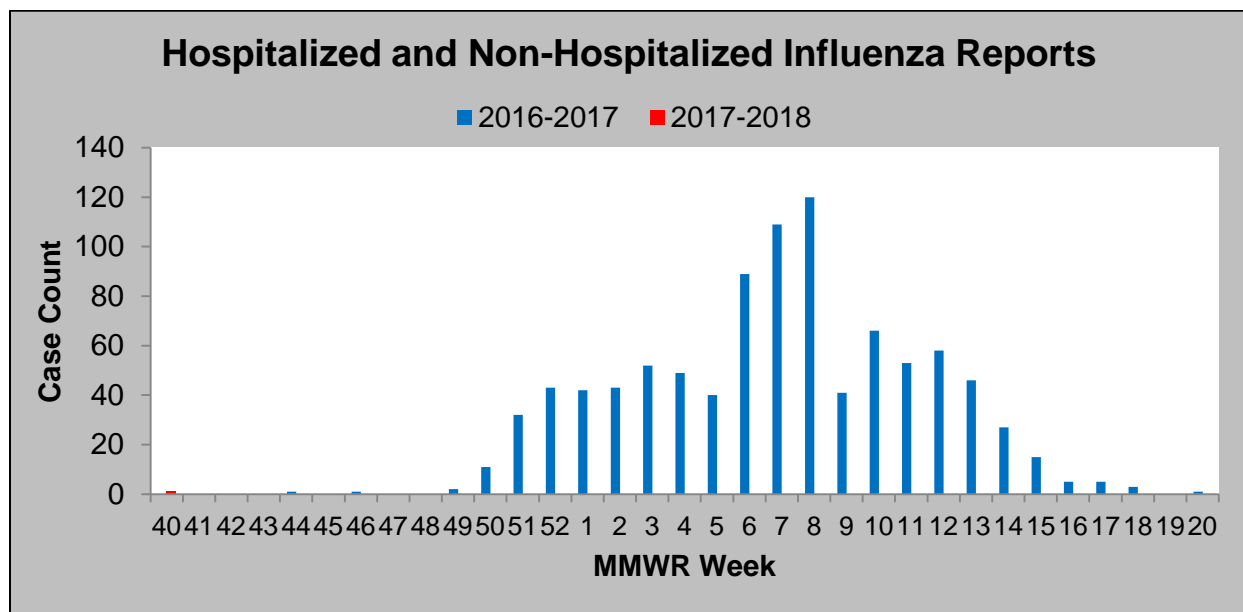
- During week 40 Stark County had one influenza-associated hospitalization.
- The national cumulative rate for laboratory-confirmed influenza-associated hospitalizations per 100,000 is not available yet this season.
- During week 40, 103 influenza A specimens were collected nationally from public health laboratories, 11 subtyped as the 2009 H1N1 virus and 91 subtyped as the H3 virus.
- Nationally, no influenza-associated pediatric deaths have been reported.

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

- Nationally, 160 of the influenza A (H3N2) viruses collected prior to October 7, 2017 were antigenetically characterized. Of those characterized 98% were components in this year's influenza vaccine.
- There were 43 influenza A (H1N1) viruses collected and 100% matched the influenza A (H1N1) component in this year's vaccine.
- There were 68 specimens characterized nationally as Influenza B. Of these, 40 subtyped from the Yamagata Lineage and 28 subtyped from the Victorian Lineage. Of these specimens 85% matched the Influenza B component of the 2016-2017 vaccine.

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

- ◆ There was one case of hospitalized or non-hospitalized influenza to report for Week 40 in Stark County.

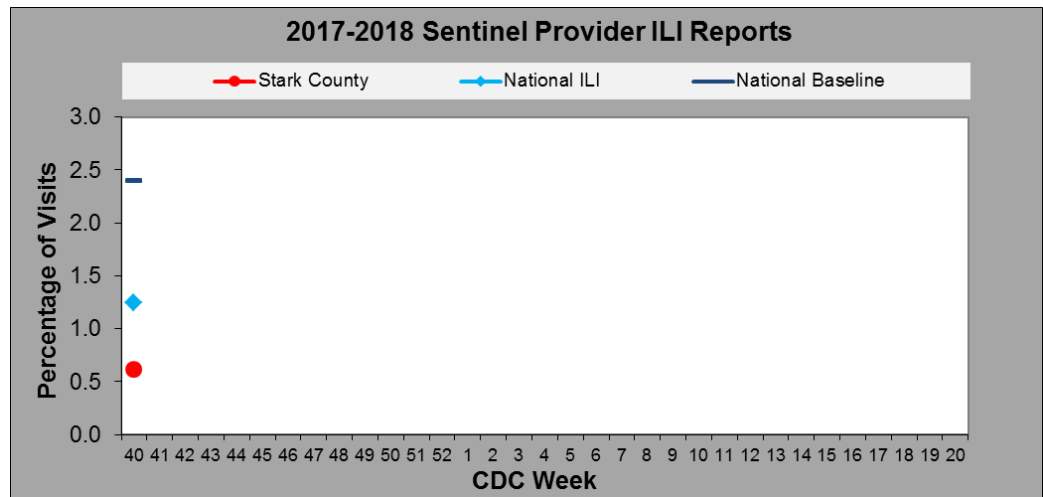


* All data presented in this weekly report are preliminary and may change as additional information is received.

* 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.

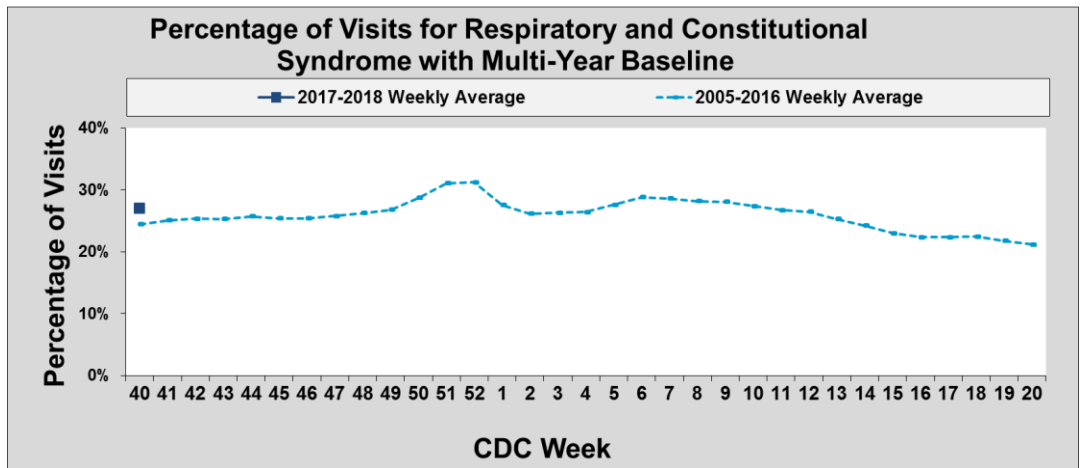
- ◆ During week 40 the Stark County Sentinel Providers reported one visit for ILI. Nationally 1.3% of visits are for ILI. The national baseline is 2.4% of visits.



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

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

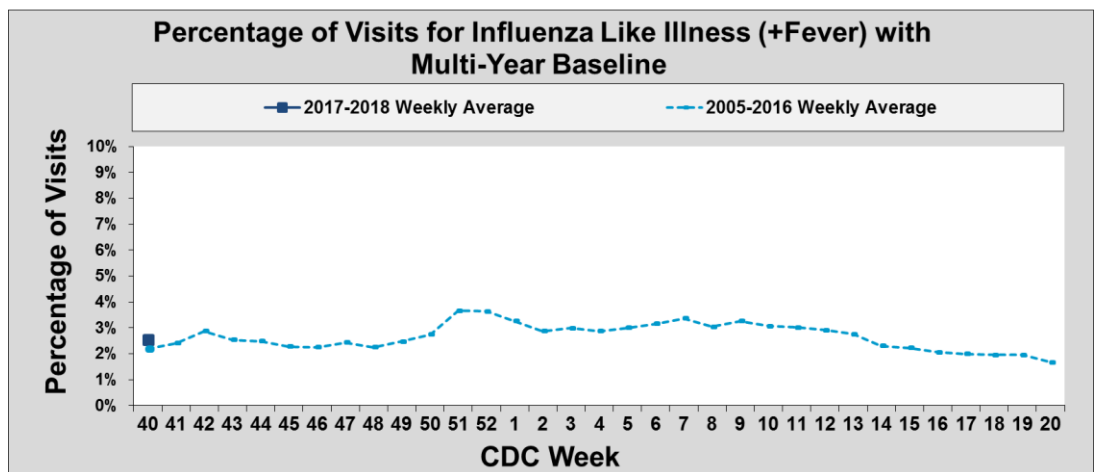
- ◆ ED and Stat Care visits for respiratory and constitutional syndrome began the season just slightly above the multi-year average.



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 40 was almost at the multi-year average.

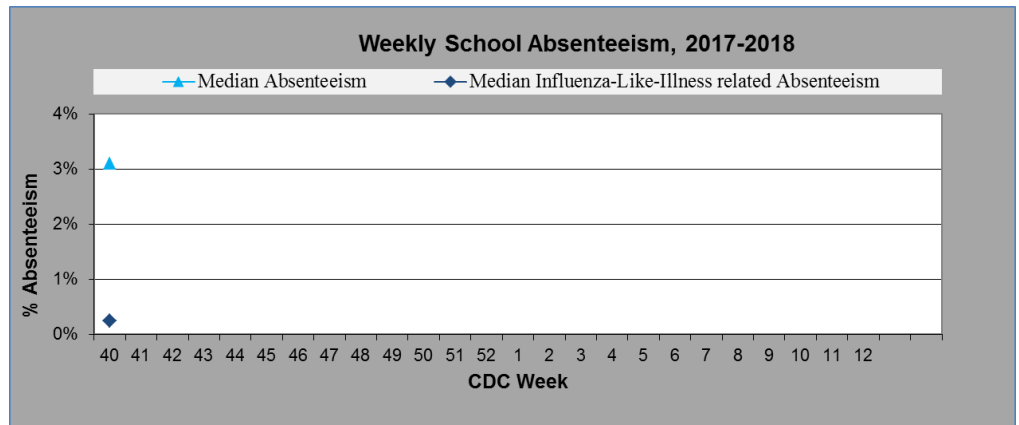


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Graph 5: Stark County School Absenteeism.

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

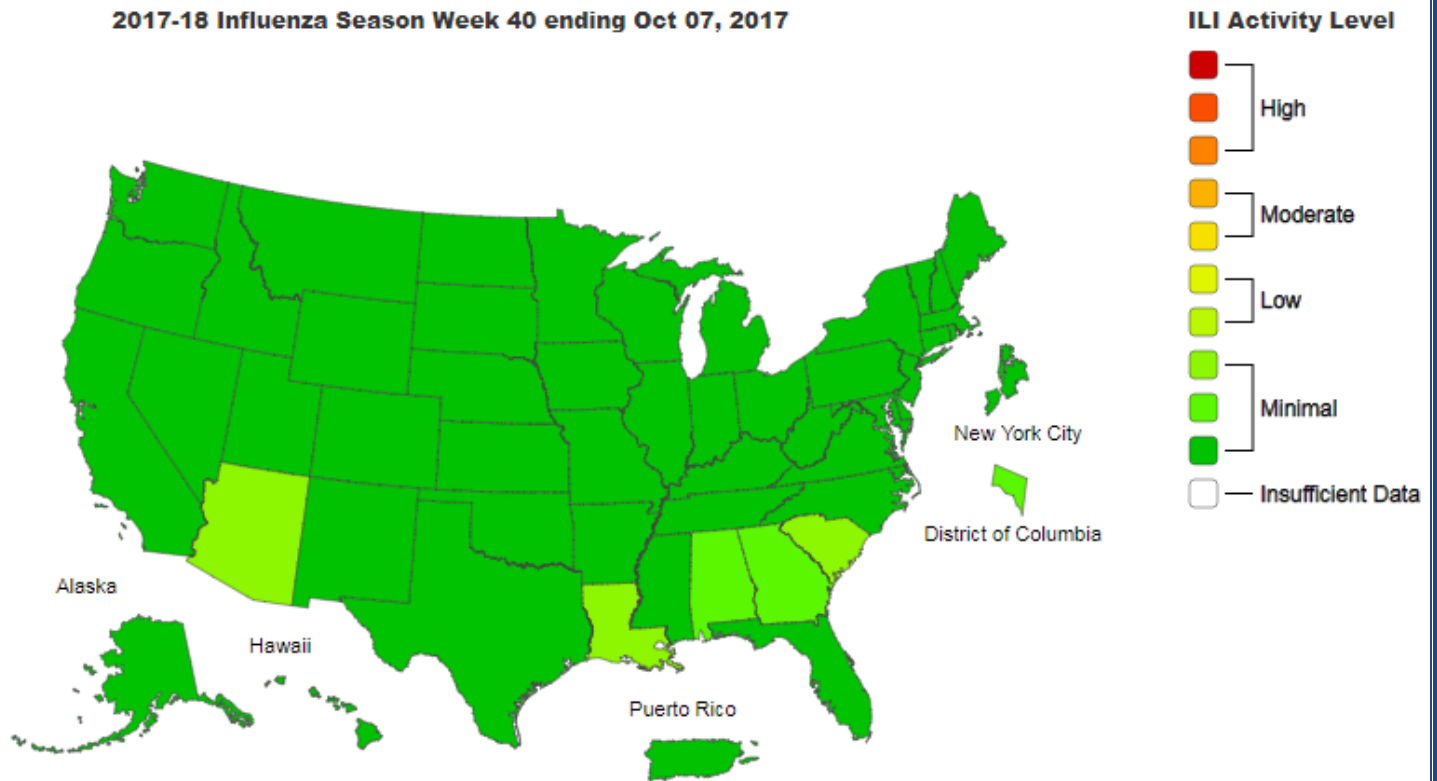
- ◆ During week 40, there were 50 schools reporting absenteeism. Of those, a median of 3.10% of students were absent and a median of 0.24% absent due to ILL.



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)

2017-18 Influenza Season Week 40 ending Oct 07, 2017



- ◆ During week 40, Ohio had minimal influenza activity. No state had higher than minimal activity reported.

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