

Stark County's Influenza Weekly Report

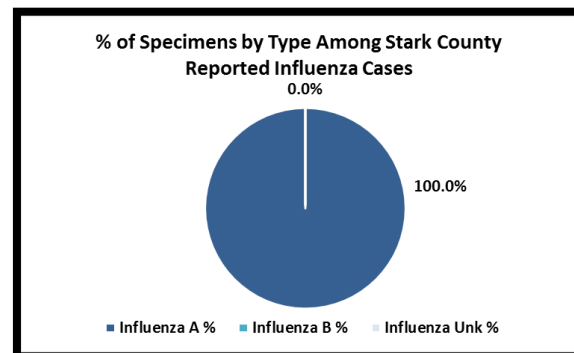
Week 45 (11/04/18 – 11/10/18)



Public Health
Prevent. Promote. Protect.

During Week 45:

- Stark County had 0 influenza-associated hospitalizations.
- Nationally, zero influenza-associated pediatric deaths were reported.
- During week 45, 84 influenza A specimens were collected nationally from public health laboratories, 57 subtyped as the 2009 H1N1 virus, 6 subtyped as the H3 virus and the remainder were not subtyped.



So Far this Year:

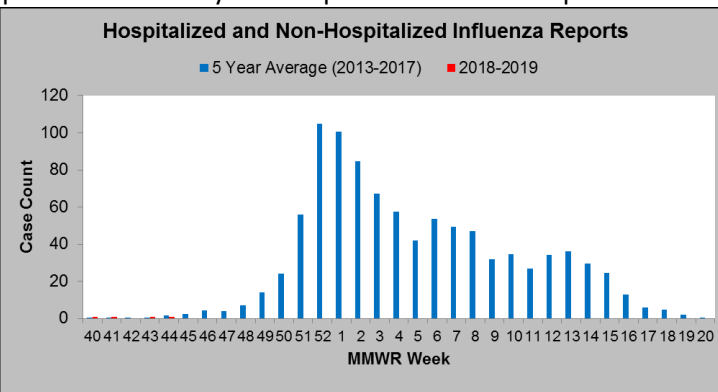
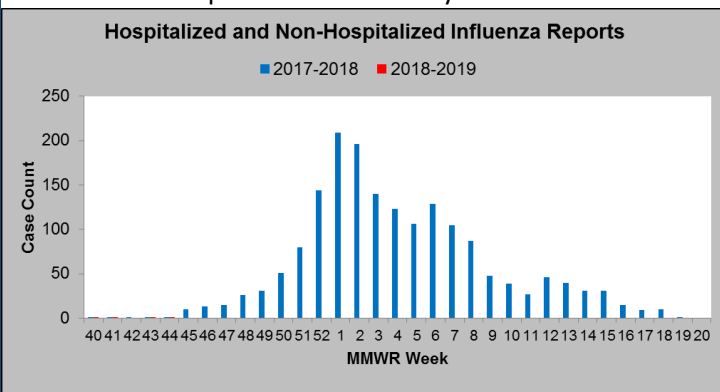
- There have been 2 influenza-associated hospitalizations in Stark County.
 - Median age and age range not yet available until case counts increase.
- The national cumulative rate for laboratory-confirmed influenza-associated hospitalizations per 100,000 is not yet available for this season.
- Through week 45, 413 specimens collected nationally from public health laboratories were typed influenza A. This was 84.1% of all specimens collected. Of these, 78.2% subtyped as the 2009 H1N1 virus, 21.8% subtyped as the H3 virus, and subtyping was not performed on the rest of them.
- Nationally, two influenza-associated pediatric deaths were reported so far this year.

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

- Nationally, through week 45, 190 specimens were characterized as Influenza A.
 - There were 111 influenza A (H1N1) viruses collected and 100.0% matched the influenza A (H1N1) component in this year's vaccine. There were 79 influenza A (H3N2) viruses collected and 91.4% matched the influenza A (H3N2) component in this year's vaccine.
- Nationally, through week 45, 55 specimens were characterized as Influenza B.
 - Of these, 44 subtyped from the Yamagata Lineage and 11 subtyped from the Victorian Lineage. Of these specimens, 100% of the Yamagata Lineage matched the Influenza B component of the 2018-2019 vaccine and 81.8% of the Victorian Lineage matched.

Graph 1: Hospitalized and Non-Hospitalized Influenza Cases Reported to the Local Health Department.

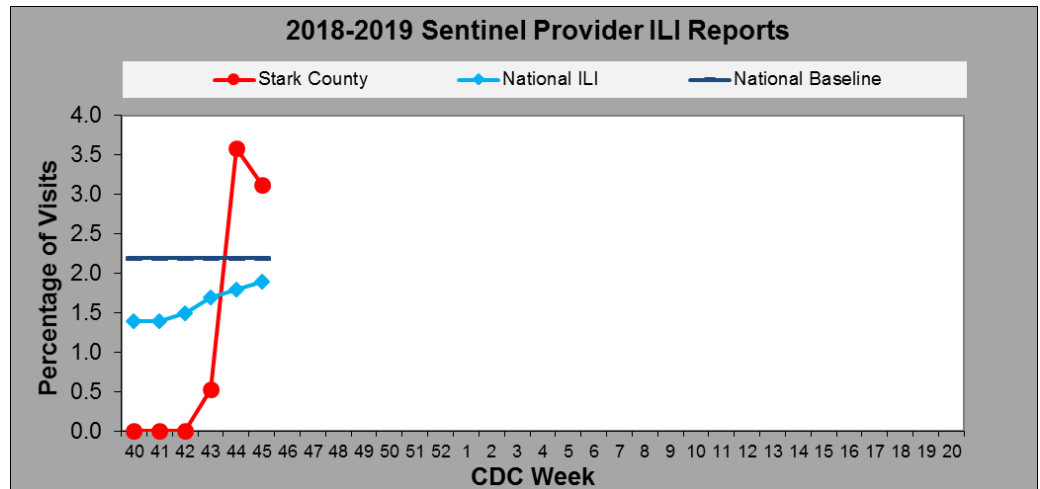
There were 0 cases of hospitalized and non-hospitalized influenza reported for Week 45 in Stark County. Last year there were 10 cases reported. Stark County remained at 4 cases reported so far this year compared to 15 cases reported last.



- 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.
- If you have any questions please contact Avi Joseph at 330.493.9914 or josepha@starkhealth.org or Amanda Archer at 330.489.3327 or aarcher@cantonhealth.org

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

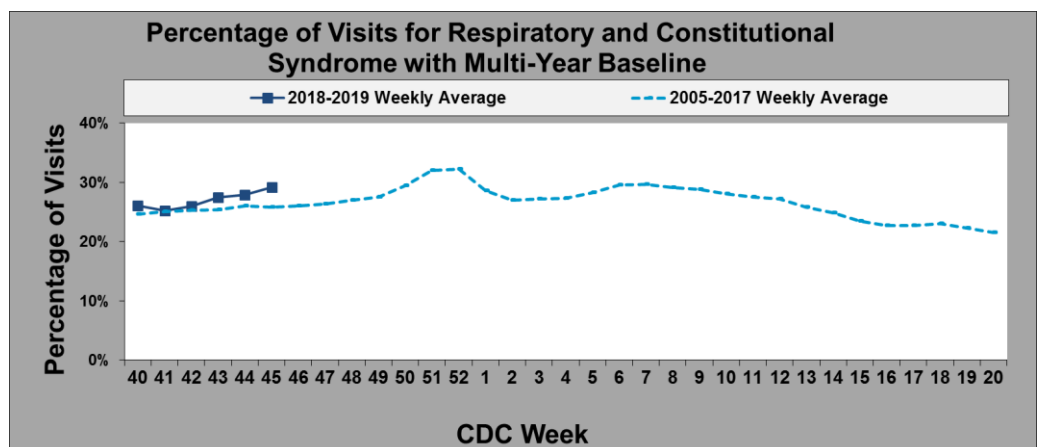
- ◆ During week 45, Stark County Sentinel Providers reported an ILI visit percent of 3.13% of total visits. The national reports overall increased to 1.9%, but remained below the 2.2% baseline.



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

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

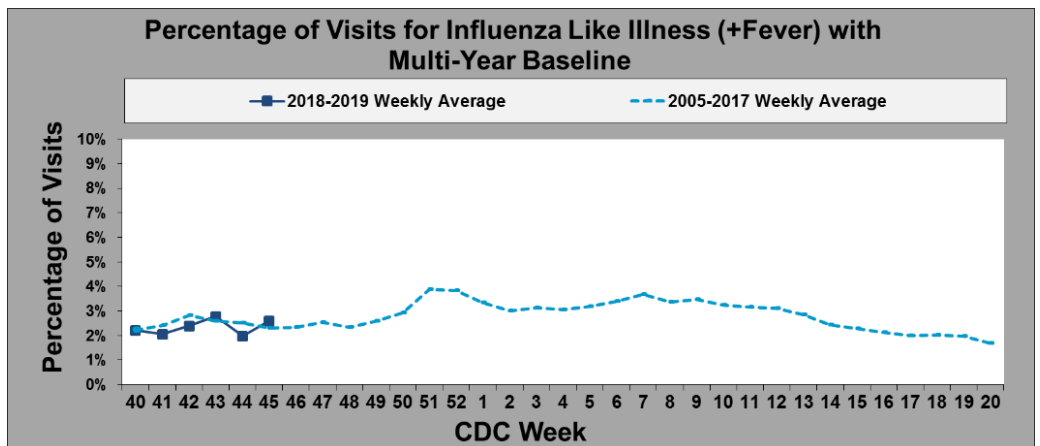
- ◆ ED and Stat Care visits for respiratory and constitutional syndrome increased, and remained above the multi-year baseline average during week 45.



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 45 increased from the previous week.

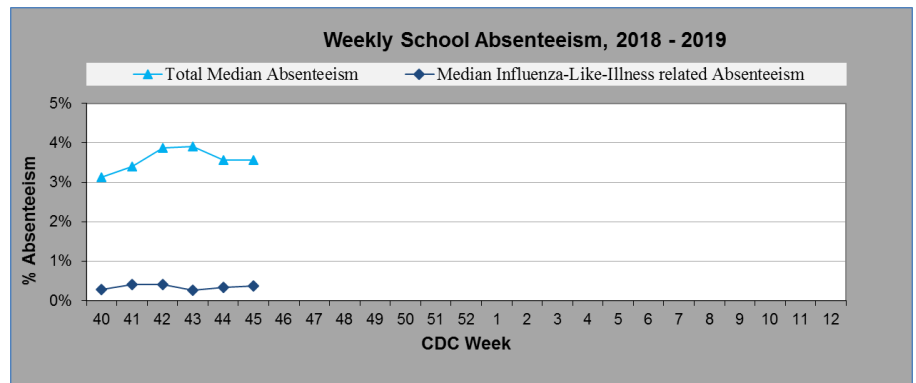


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Graph 5: Stark County School Absenteeism.

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

- ◆ During week 45, schools reported similar absenteeism as the previous weeks, and absenteeism related to influenza-like illness increased slightly. Fifty four schools reported.



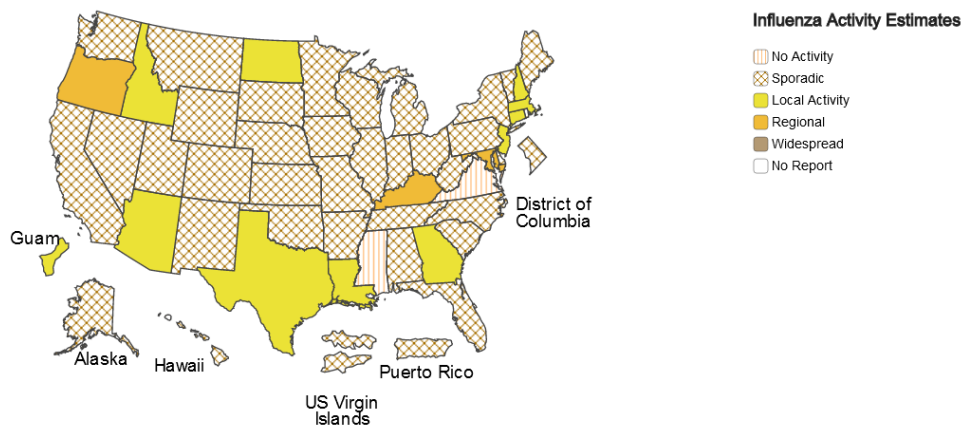
Map: Weekly Geographic Influenza Activity Estimates Reported by State and Territorial Epidemiologists Syndromes.

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

- ◆ During week 45, Ohio maintained sporadic influenza activity, along with 34 other states.

No activity – 2 states
 Local activity – 10 states
 Regional activity – 3 states
 Widespread activity – 0 states

A Weekly Influenza Surveillance Report Prepared by the Influenza Division
 Weekly Influenza Activity Estimates Reported by State and Territorial Epidemiologists*
 Week Ending Nov 10, 2018 - Week 45



*This map indicates geographic spread and does not measure the severity of influenza activity.



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