

# Stark County's Influenza Weekly Report

## Week 45 (11/05/17-11/11/17)



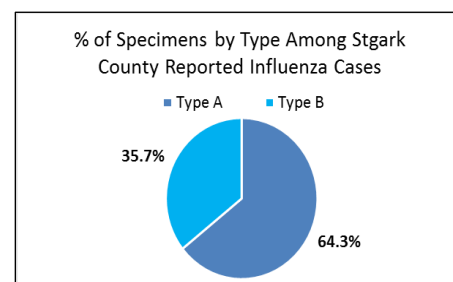
**Public Health**  
Prevent. Promote. Protect.

### During Week 45:

- During week 45 Stark County had four influenza-associated hospitalizations.
- Nationally, there were no influenza-associated pediatric deaths reported.
- During week 45, 154 influenza A specimens were collected nationally from public health laboratories, which made up 89% of all positive specimens; 7.8% subtyped as the 2009 H1N1 virus, 87.7% subtyped as the H3 virus, and subtyping was not performed on the rest of them.

### So Far this Year:

- There have been six influenza-associated hospitalizations so far this year in Stark County.
  - Ages of those hospitalized for influenza have ranged from 17 years to 85 years of age with the average age being 59.6 years (median 68.5 years old).
- The national cumulative rate for laboratory-confirmed influenza-associated hospitalizations per 100,000 population is not yet available this season.
- Up through week 45, 5854 specimens were collected nationally from public health laboratories. 993 were typed influenza A. This was 88.0% of all specimens collected. Of these, 9.5% subtyped as the 2009 H1N1 virus, 88.4% subtyped as the H3 virus, and subtyping was not performed on the rest of them.
- Nationally, there has been one influenza-associated pediatric deaths reported so far this year. Last year, at the same time, there were zero.

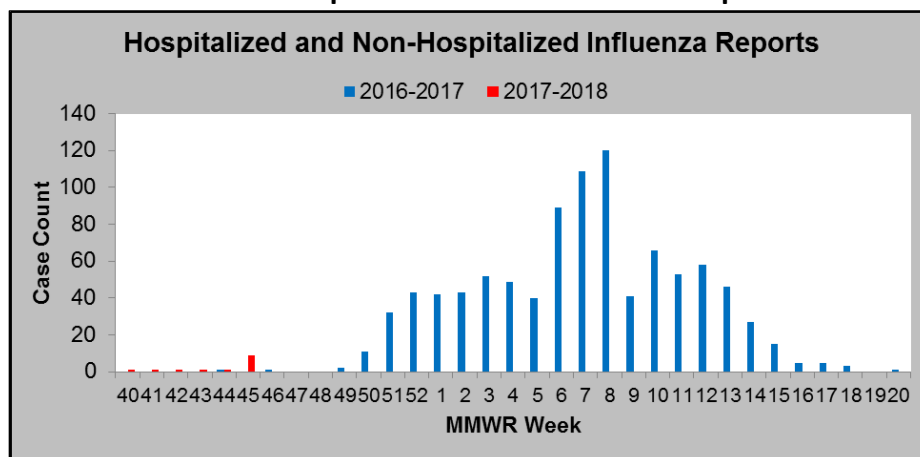


### Viruses Circulating vs. Viruses in this Year's Vaccine:

- Nationally since October 1, 2017, 190 specimens were characterized as Influenza A.
  - There were 134 influenza A(H3N2) viruses collected and 97.0% matched the influenza A (H3N2) component in this year's vaccine. There were 56 influenza A (H1N1) viruses collected and 100% matched the influenza A (H1N1) component in this year's vaccine.
- Nationally since October 1, 2017, 92 specimens were characterized as Influenza B.
  - Of these, 59 subtyped from the Yamagata Lineage and 33 subtyped from the Victorian Lineage. Of these specimens, 100% of the Yamagata Lineage matched the Influenza B component of the 2017-2018 vaccine and 66.7% of the Victorian Lineage matched.

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

- ◆ There were nine cases of hospitalized and non-hospitalized influenza reported for Week 45 in Stark County. Last year there were zero cases reported this week. Stark County increased to fourteen cases reported so far this year compared to one case reported so far last year.



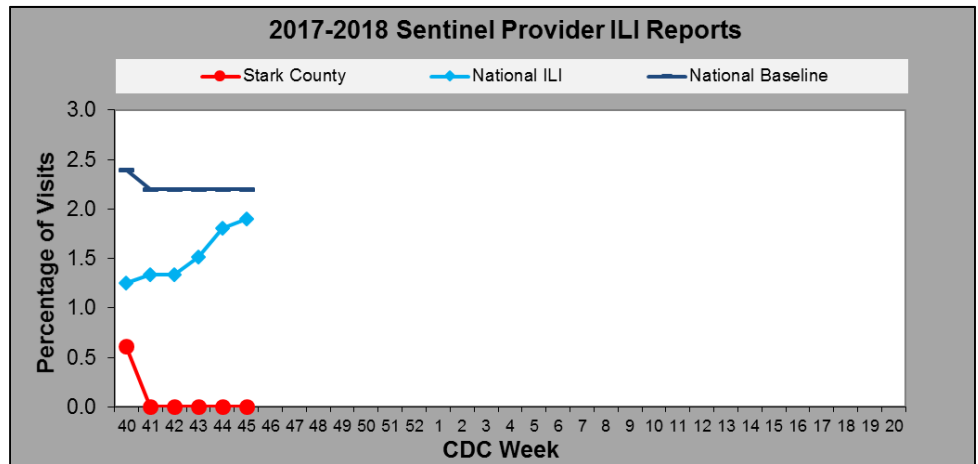
\* All data presented in this weekly report are preliminary and may change as additional information is received.

\* 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](mailto:josepha@starkhealth.org) or Amanda Archer at 330.489.3327 or [aarcher@cantonhealth.org](mailto:aarcher@cantonhealth.org)

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

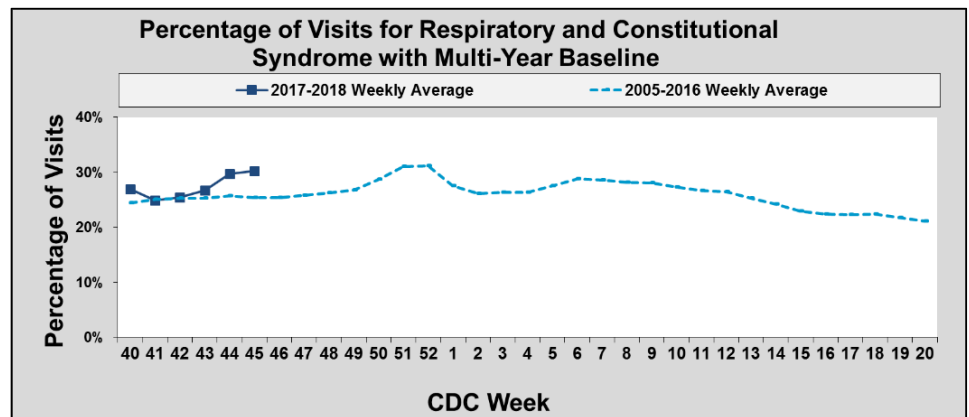
- ◆ During week 45, no Stark County Sentinel Providers reported the percentage of their visits identified as ILI. Nationally it was reported that 1.9% of visits were for ILI. This was still below the national baseline at 2.2% of visits.



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

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

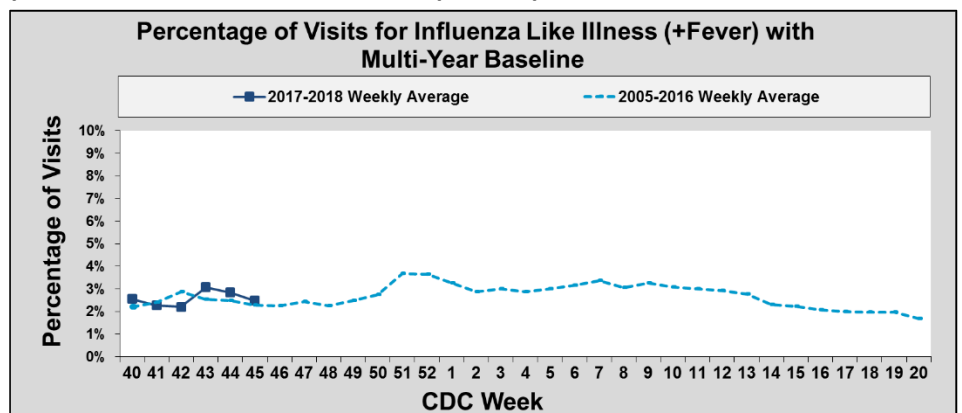
- ◆ ED and Stat Care visits for respiratory and constitutional syndrome just slightly increased, and continue to remain above the multi-year baseline average during week 45.



**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 decreased, but still remain above the multi-year average.



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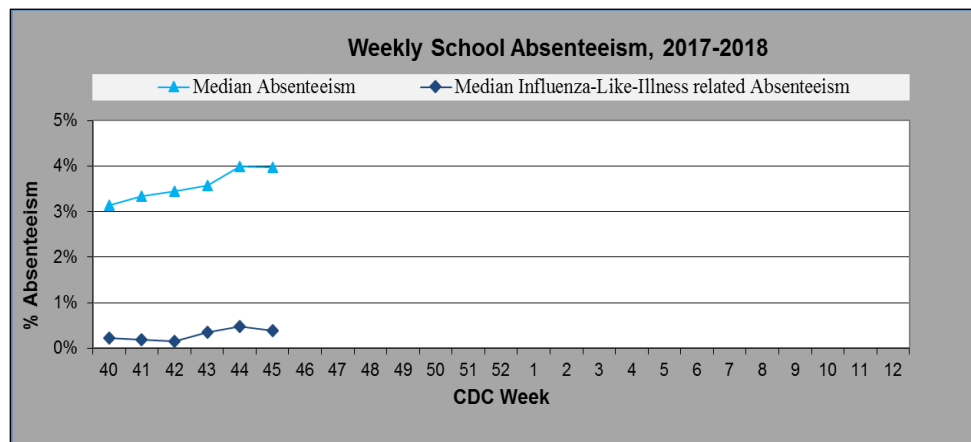
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**Graph 5: Stark County School Absenteeism.**

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

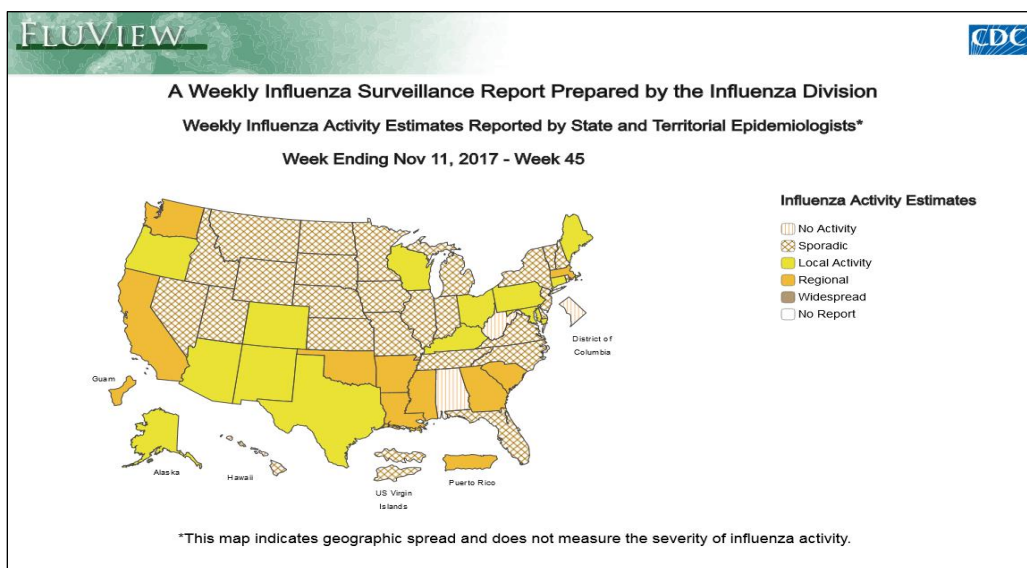
- ◆ During week 45, there were 57 school absenteeism reports submitted. Of those, the overall median absenteeism stayed the same from week 44 with an overall uptick for the season. Those absent specifically with influenza-like-illness decreased slightly.



**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 remained at local influenza activity, along with 12 other states. There were nine states reporting regional activity.



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