

Stark County's Influenza Weekly Report

Week 16 (04/14/2019 – 04/20/2019)



Public Health
Prevent. Promote. Protect.

During Week 16:

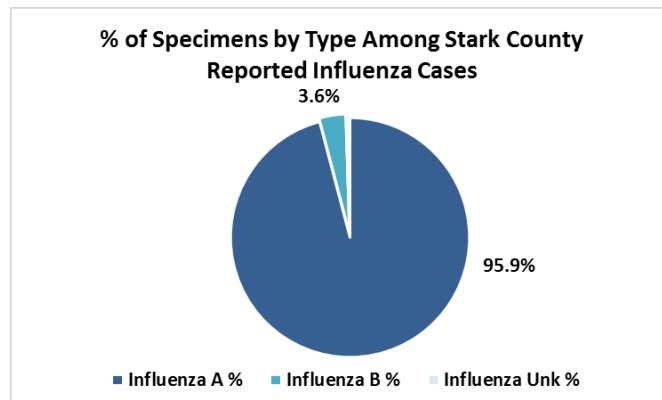
- Stark County had 8 influenza-associated hospitalizations.
- Nationally, five influenza-associated pediatric deaths was reported.
- During week 16, 149 influenza A specimens were collected nationally from public health laboratories, 34 subtyped as the 2009 H1N1 virus, 112 subtyped as the H3 virus and the remainder were not subtyped.

So Far this Year:

- There have been 418 influenza-associated hospitalizations in Stark County.
 - Those hospitalized for influenza have ranged from 2 weeks of age to 104 years of age, with the median being 68.0 years.
- A cumulative rate of 64.2 laboratory-confirmed influenza-associated hospitalizations per 100,000 population was reported.
- Through week 16, 37,802 specimens collected nationally from public health laboratories were typed influenza A. This was 96.7% of all specimens collected. Of these 58.0% subtyped as the 2009 H1N1 virus, 42.0% subtyped as the H3 virus, and subtyping was not performed on the rest of them.
- Nationally, 96 influenza-associated pediatric deaths were reported so far this year.

CDC has reported a preliminary vaccine effectiveness of **47% effective** (95% CI: 34%-57%).

(<https://www.cdc.gov/mmwr/volumes/67/wr/mm6706a2.htm>)

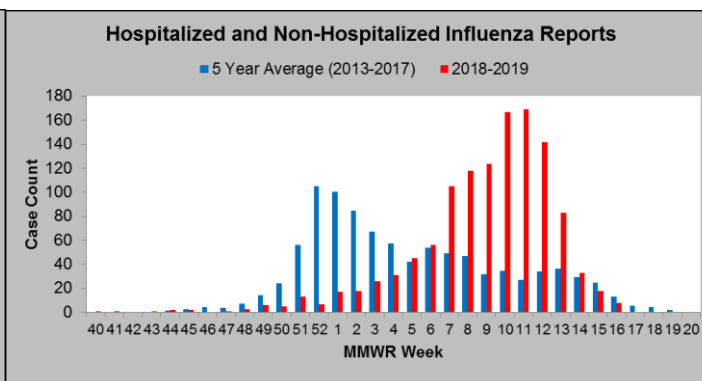
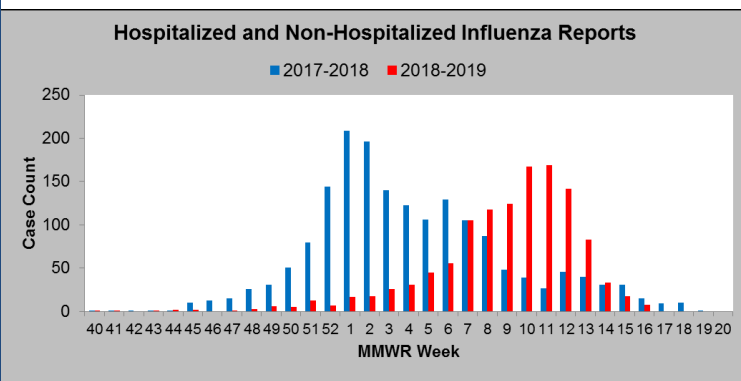


Viruses Circulating vs. Viruses in this Year's Vaccine:

- Nationally, through week 16, 1744 specimens were characterized as Influenza A.
 - There were 995 influenza A (H1N1) viruses collected and, of those characterized (304), 97.0% matched the influenza A (H1N1) component in this year's vaccine. There were 749 influenza A (H3N2) viruses collected and, of those characterized (370), 45.1% matched the influenza A (H3N2) component in this year's vaccine.
- Nationally, through week 16, 271 specimens were characterized as Influenza B.
 - Of these, 131 subtyped from the Yamagata Lineage and 140 subtyped from the Victorian Lineage. Of these specimens, 100% of the Yamagata Lineage characterized matched the Influenza B component of the 2018-2019 vaccine and 75.9% of the Victorian Lineage matched.

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

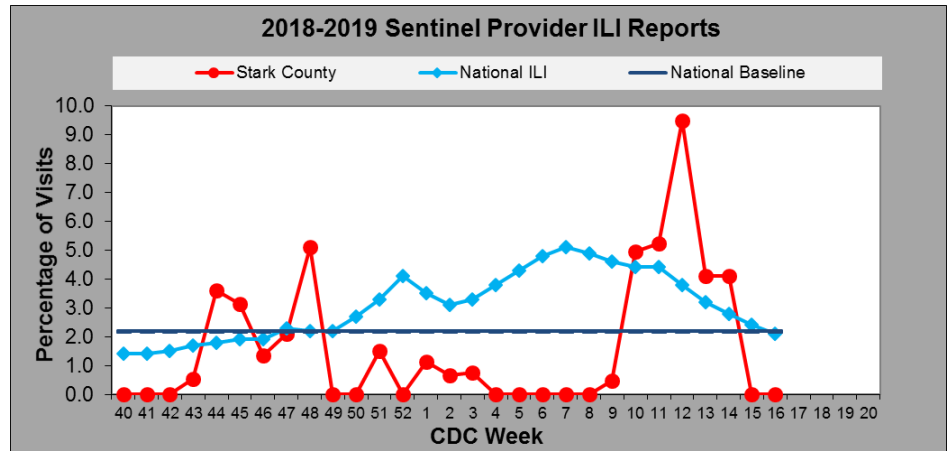
There were 8 cases of hospitalized and non-hospitalized influenza reported for Week 16 in Stark County. Last year, there were 15 cases reported. Stark County increased to 1202 cases reported this year compared to 1747 cases last year.



- 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.

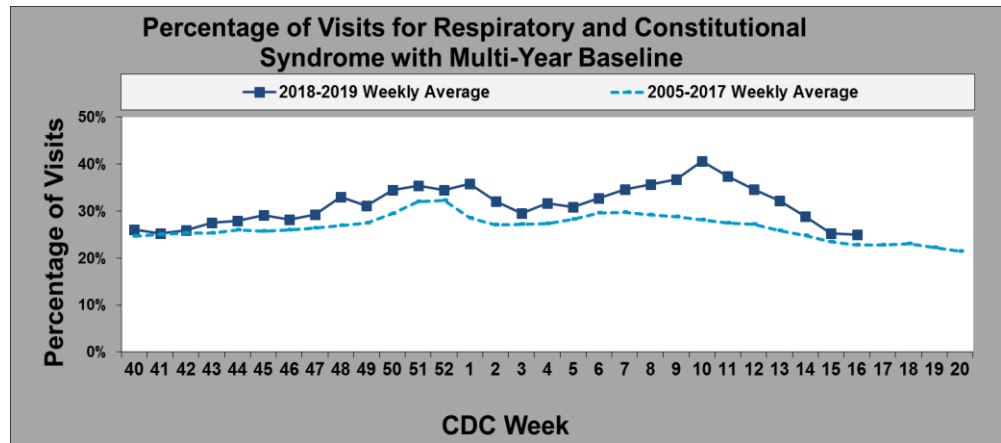
◆ During Week 16, Stark County Sentinel Providers did not report. The national reports show that 2.1% of ED visits are due to ILI. This is below the 2.2% national baseline, and is the first time since mid-November the ILI activity has been below the national baseline.



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

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

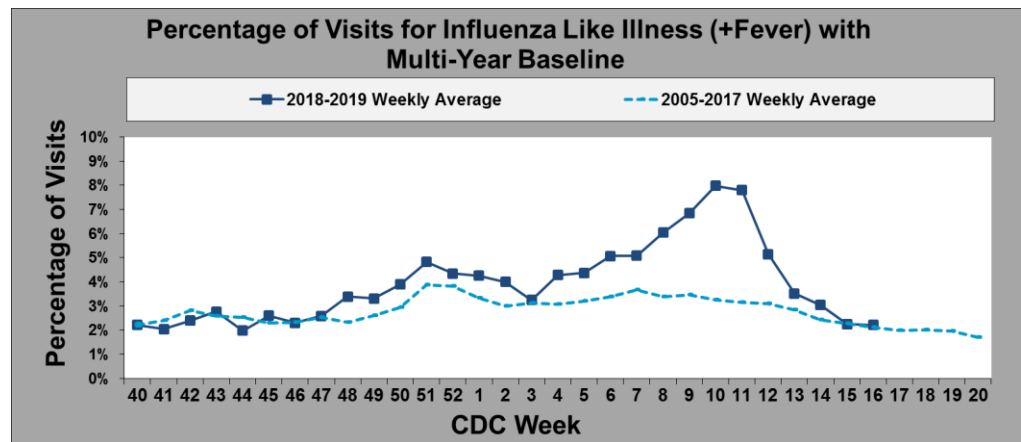
◆ ED and Stat Care visits for respiratory and constitutional show continued decrease since week 10, although visits are still above the multi-year average.



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 16 show a continued downtick, and is just slightly higher than the multi-year average.

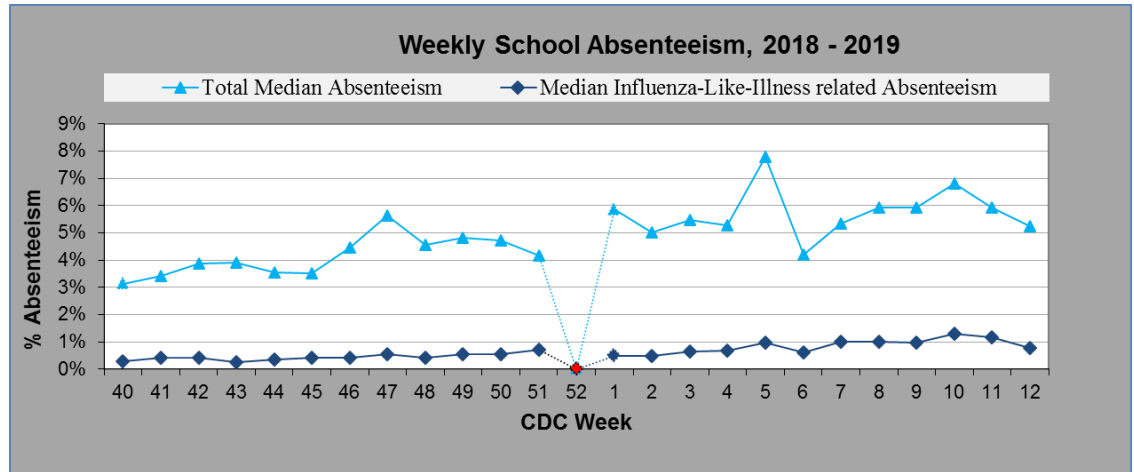


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Graph 5: Stark County School Absenteeism.

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

◆ Reporting of school absenteeism has finished for the 2018-2019 Influenza season.



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

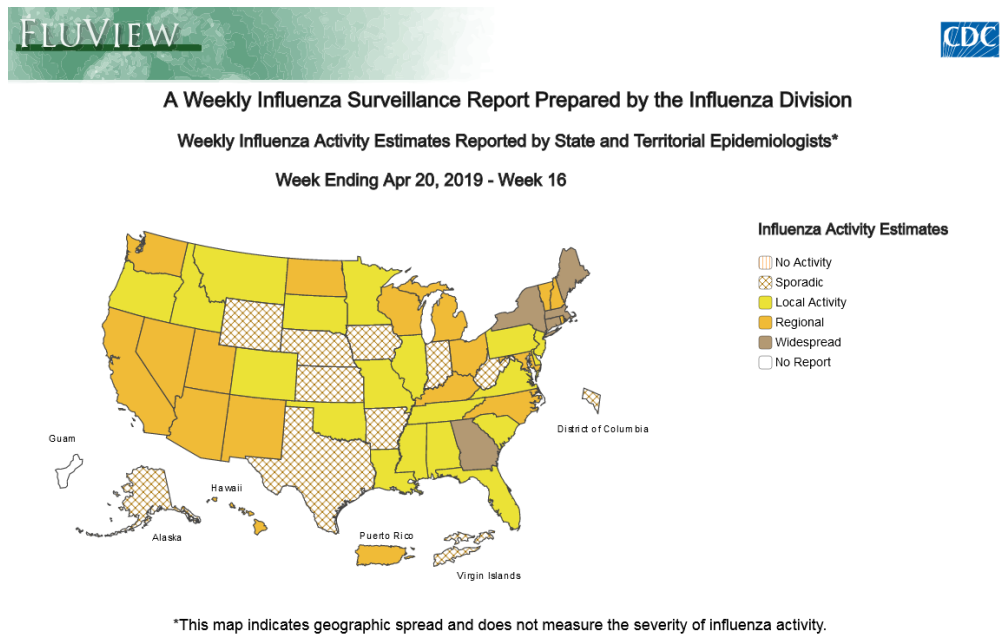
(Source: Health Monitoring Systems, EpiCenter, hospital and stat care patient registration surveillance system)

◆ During Week 16, Ohio reported regional influenza activity, along with 16 other states.

Local activity – Nineteen states

Sporadic – 9 states (and DC)

Widespread – Five states



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