

Stark County's Influenza Weekly Report

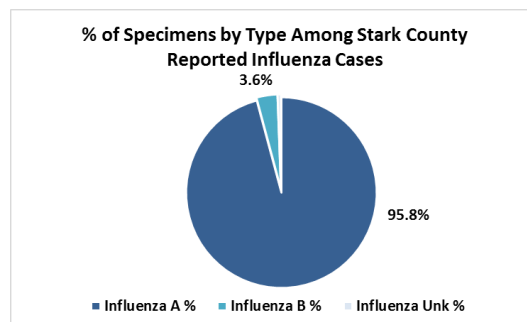
Week 20 (05/12/2019 – 05/18/2019)



Public Health
Prevent. Promote. Protect.

During Week 20:

- Stark County had 0 influenza-associated hospitalizations.
 - Two hospitalizations were reported after 5/18/2019
- Nationally, three influenza-associated pediatric deaths were reported.
- During week 20, 27 influenza A specimens were collected nationally from public health laboratories, 6 subtyped as the 2009 H1N1 virus, 20 subtyped as the H3 virus and the remainder were not subtyped.



So Far this Year:

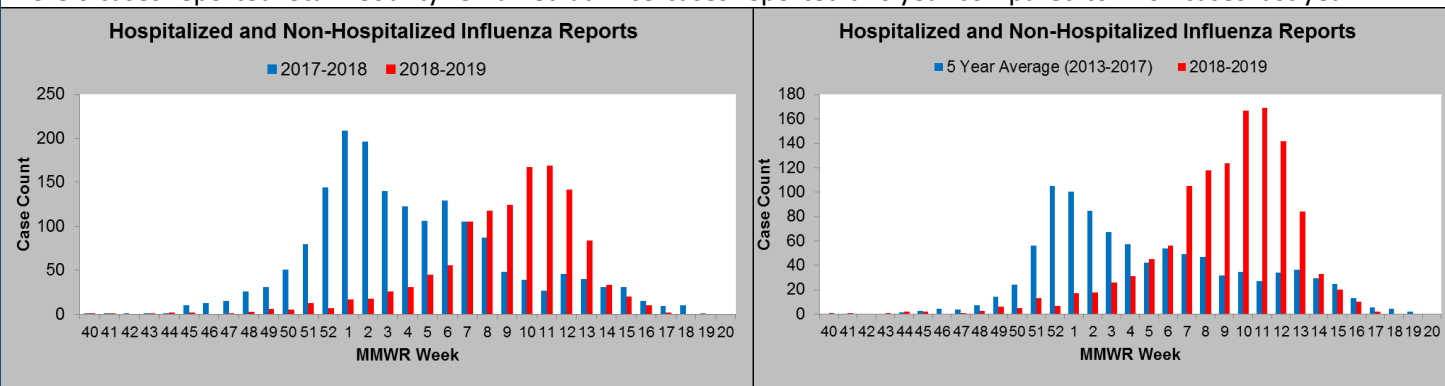
- There have been 418 influenza-associated hospitalizations in Stark County.
 - Those hospitalized for influenza have ranged from 2 weeks of age to 104 years of age, with the median being 68.0 years.
- A cumulative rate of 65.7 laboratory-confirmed influenza-associated hospitalizations per 100,000 population was reported.
- Through week 20, 40,209 specimens collected nationally from public health laboratories were typed influenza A. This was 96.1% of all specimens collected. Of these 56.8% subtyped as the 2009 H1N1 virus, 43.2% subtyped as the H3 virus, and subtyping was not performed on the rest of them.
- Nationally, 111 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 20, 2197 specimens were characterized as Influenza A.
 - There were 1207 influenza A (H1N1) viruses collected and, of those characterized (305), 97.0% matched the influenza A (H1N1) component in this year's vaccine. There were 990 influenza A (H3N2) viruses collected and, of those characterized (388), 43.6% matched the influenza A (H3N2) component in this year's vaccine.
- Nationally, through week 20, 440 specimens were characterized as Influenza B.
 - Of these, 196 subtyped from the Yamagata Lineage and 244 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 79.1% of the Victorian Lineage matched.

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

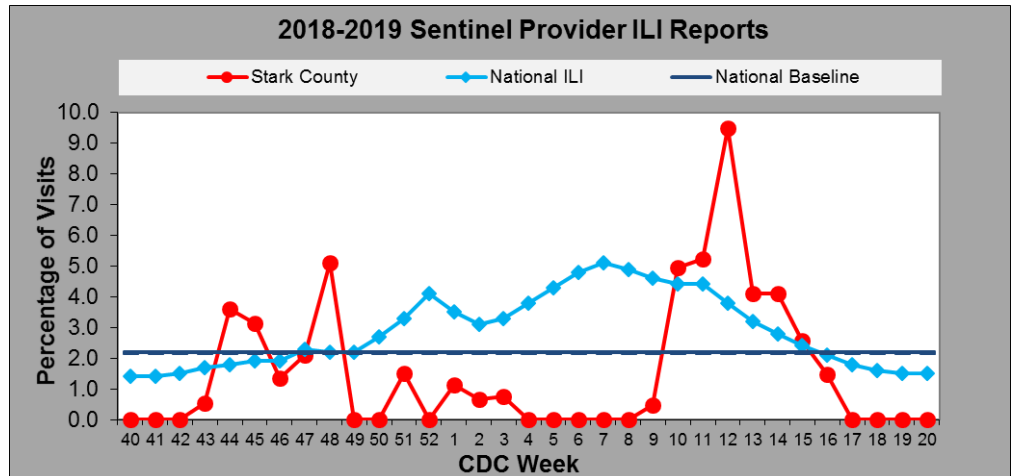
There were 0 cases of hospitalized and non-hospitalized influenza reported for Week 20 in Stark County. Last year, there were 0 cases reported. Stark County remained at 1209 cases reported this year compared to 1767 cases last year.



- 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** or **Amanda Archer at 330.489.3327 or aarcher@cantonhealth.org**

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

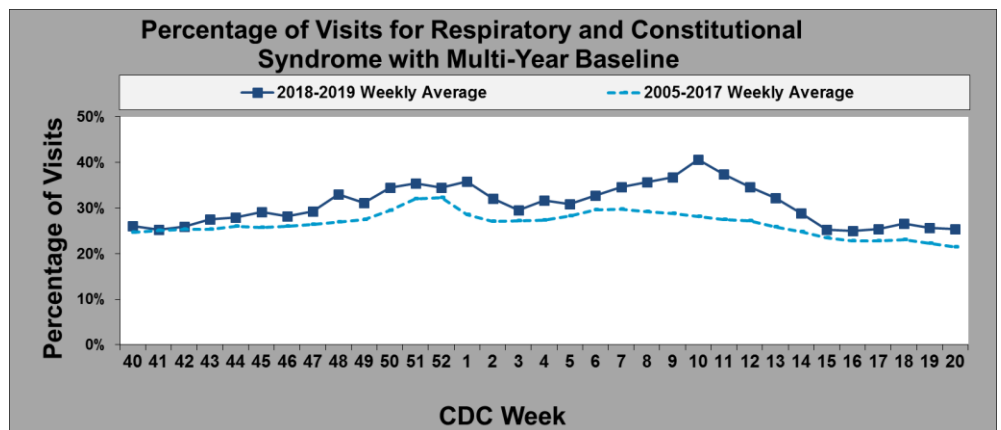
- ◆ During Week 20, Stark County Sentinel Providers did not report. The national reports show that 1.5% of ED visits are due to ILI. This is below the 2.2% national baseline.



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

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

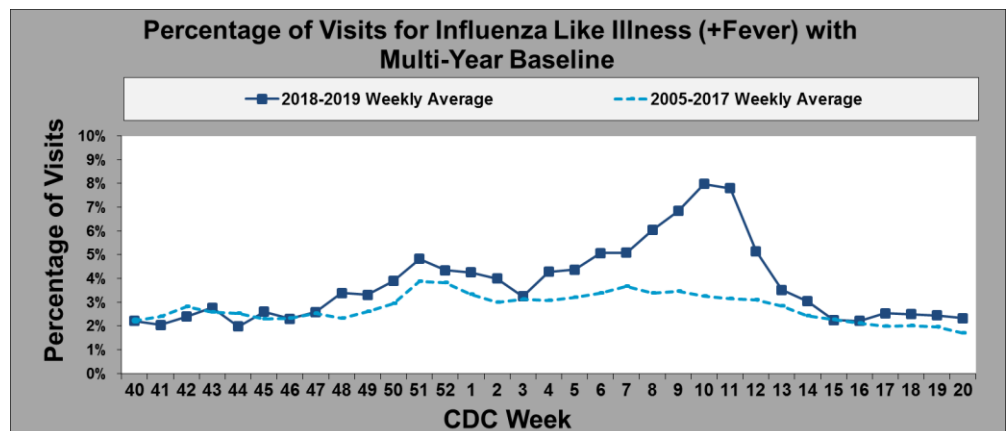
- ◆ ED and Stat Care visits for respiratory and constitutional show a slight decrease from the previous week. Visits are still above the multi-year average.



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 20 show a slight decrease, but is still higher than the multi-year average.

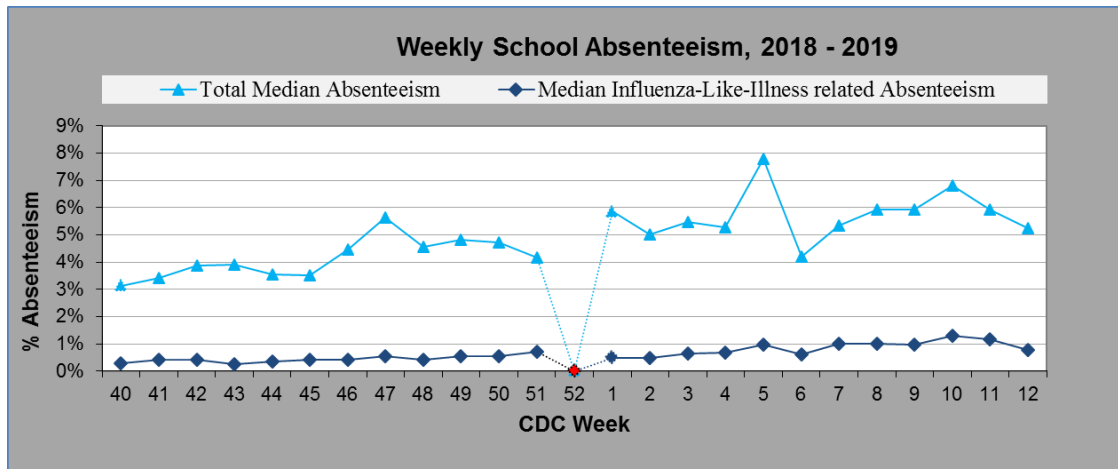


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Graph 5: Stark County School Absenteeism.

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

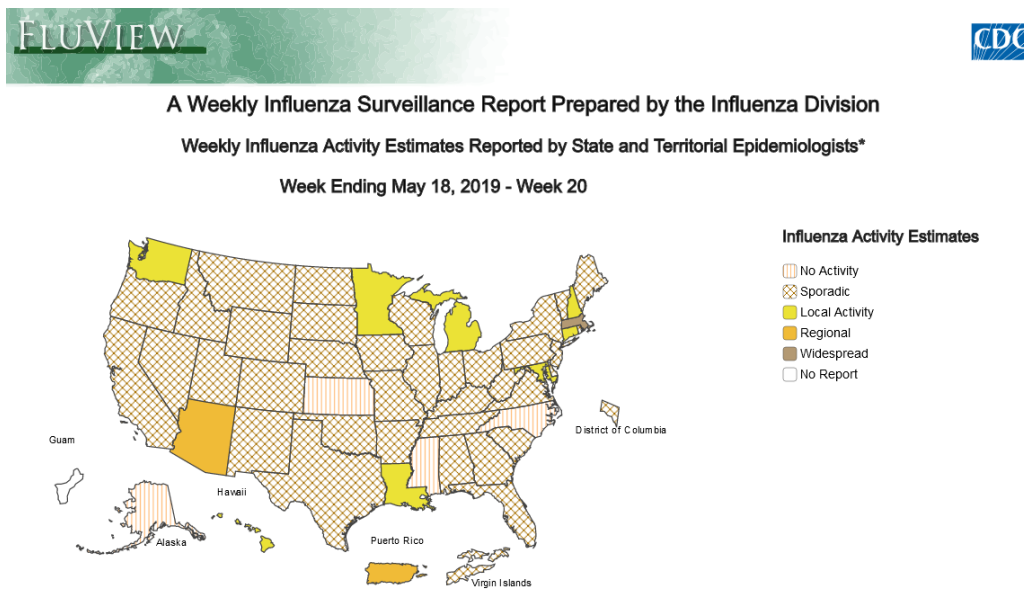
◆ Reporting of school absenteeism has finished for the 2018-2019 Influenza season.



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 20, Ohio reported sporadic influenza activity, along with 35 other states and DC.
 Widespread activity – 1 state
 Regional activity - 1 states
 Local activity – 8 states
 No activity – 4 states



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



Alliance City Health
cityofalliance.com/health



Canton City Public Health
cantonhealth.org



Massillon City Health Department
massillonohio.com/health



Stark County Health Department
starkhealth.org

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