

# Stark County's Influenza Weekly Report

## Week 17 (04/21/2019 – 04/27/2019)



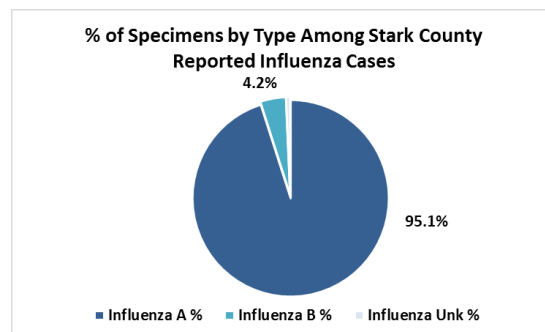
**Public Health**  
Prevent. Promote. Protect.

### During Week 17:

- Stark County had 1 influenza-associated hospitalizations.
- Nationally, five influenza-associated pediatric deaths were reported.
- During week 17, 104 influenza A specimens were collected nationally from public health laboratories, 33 subtyped as the 2009 H1N1 virus, 67 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 64.7 laboratory-confirmed influenza-associated hospitalizations per 100,000 population was reported.
- Through week 17, 38,624 specimens collected nationally from public health laboratories were typed influenza A. This was 96.4% of all specimens collected. Of these 57.6% subtyped as the 2009 H1N1 virus, 42.4% subtyped as the H3 virus, and subtyping was not performed on the rest of them.
- Nationally, 101 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>)

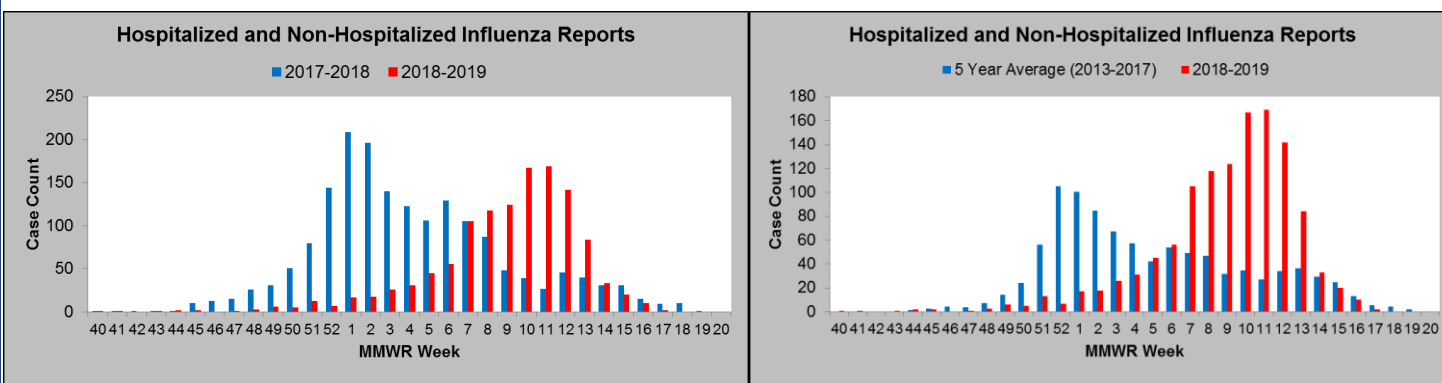


### Viruses Circulating vs. Viruses in this Year's Vaccine:

- Nationally, through week 17, 1949 specimens were characterized as Influenza A.
  - There were 1080 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 869 influenza A (H3N2) viruses collected and, of those characterized (382), 44% matched the influenza A (H3N2) component in this year's vaccine.
- Nationally, through week 17, 317 specimens were characterized as Influenza B.
  - Of these, 153 subtyped from the Yamagata Lineage and 164 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.

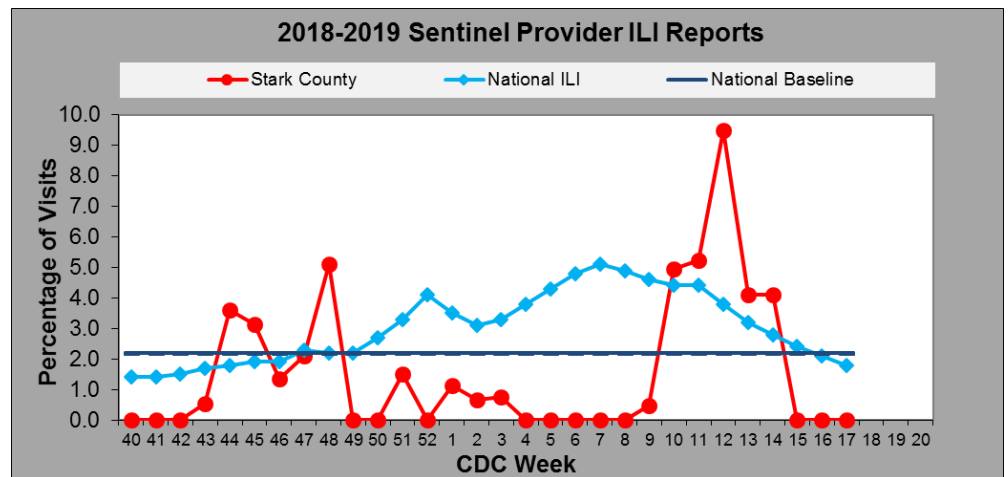
There were 2 cases of hospitalized and non-hospitalized influenza reported for Week 17 in Stark County. Last year, there were 9 cases reported. Stark County increased to 1209 cases reported this year compared to 1756 cases last year.



- 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.**

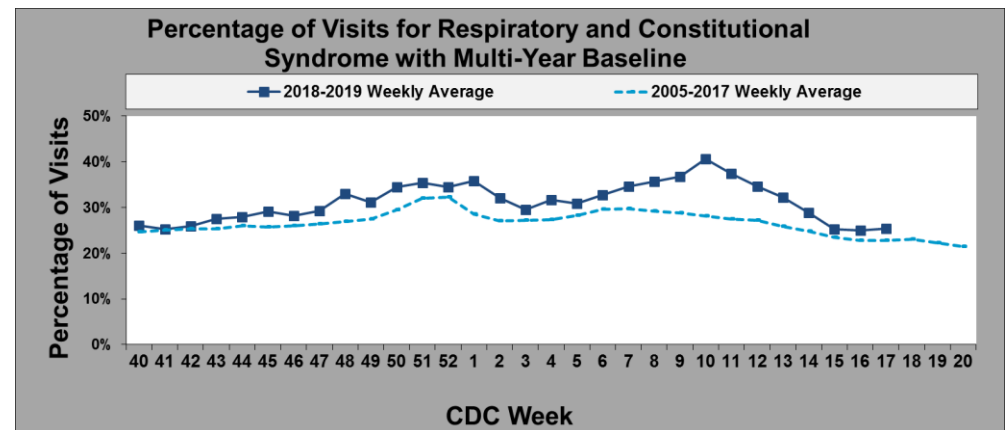
◆ During Week 17, Stark County Sentinel Providers did not report. The national reports show that 1.8% of ED visits are due to ILI. This is below the 2.2% national baseline, and continues the downward trend for 2 weeks.



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

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

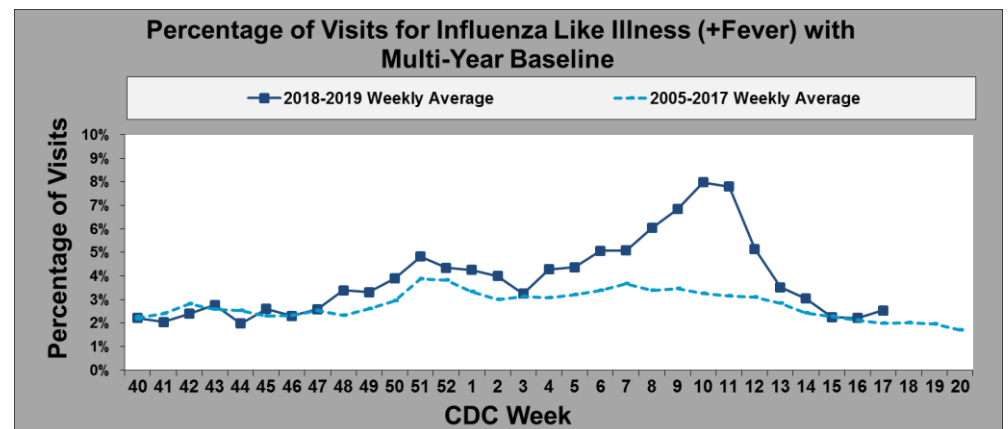
◆ ED and Stat Care visits for respiratory and constitutional show a slight, 0.5% increase after several weeks of decrease. Visits are still above the multi-year average.



**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 17 show a slight increase, and is still higher than the multi-year average.



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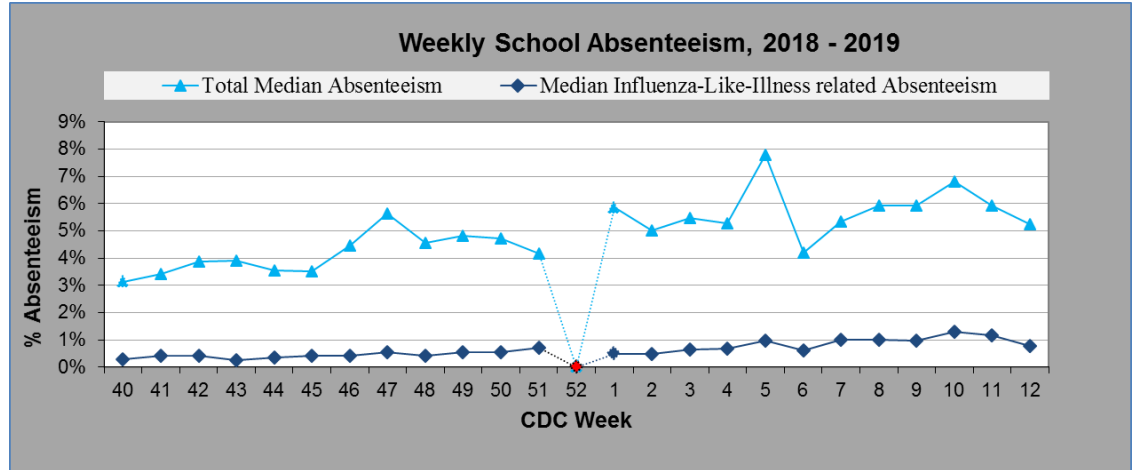
• Multiyear averages included in this weekly report do not include the 2009/2010 H1N1 season.

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

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

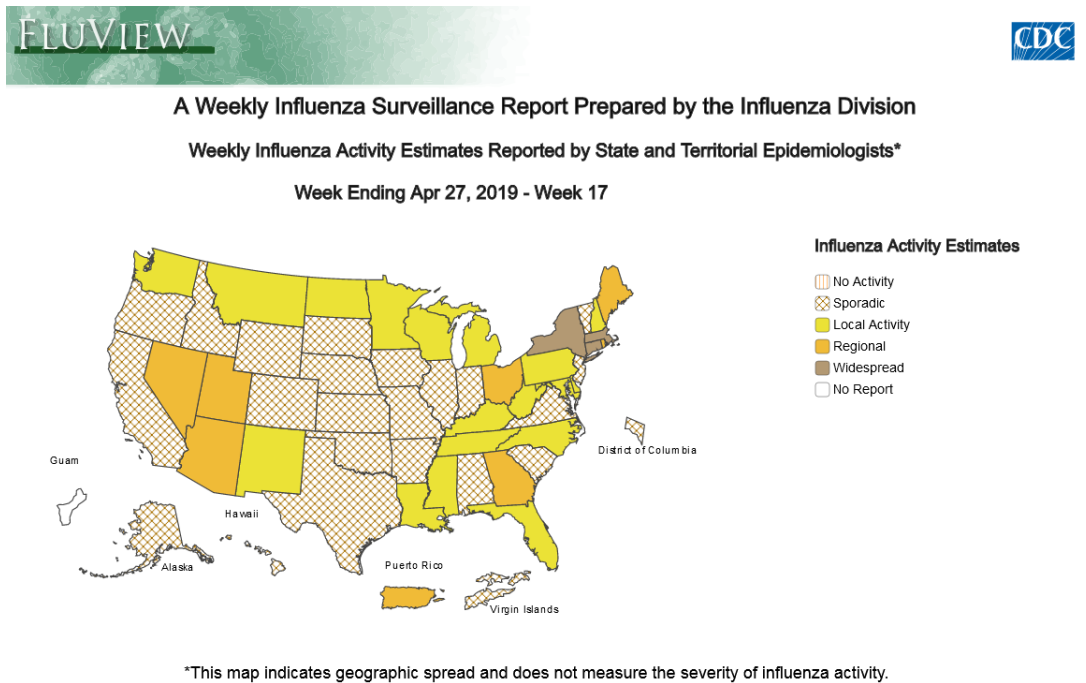
◆ Reporting of school absenteeism has finished for the 2018-2019 Influenza season.



**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 17, Ohio reported regional influenza activity, along with six other states. Local activity – 18 states Sporadic – 22 states (and DC) Widespread – Three states



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