

# Stark County's Influenza Weekly Report

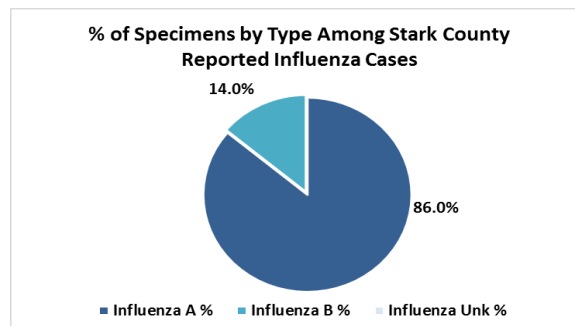
## Week 52 (12/23/2018 – 12/29/2018)



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

### During Week 52:

- Stark County had 4 influenza-associated hospitalizations.
- Nationally, two influenza-associated pediatric deaths was reported.
- During week 52, 522 influenza A specimens were collected nationally from public health laboratories, 439 subtyped as the 2009 H1N1 virus, 52 subtyped as the H3 virus and the remainder were not subtyped.



### So Far this Year:

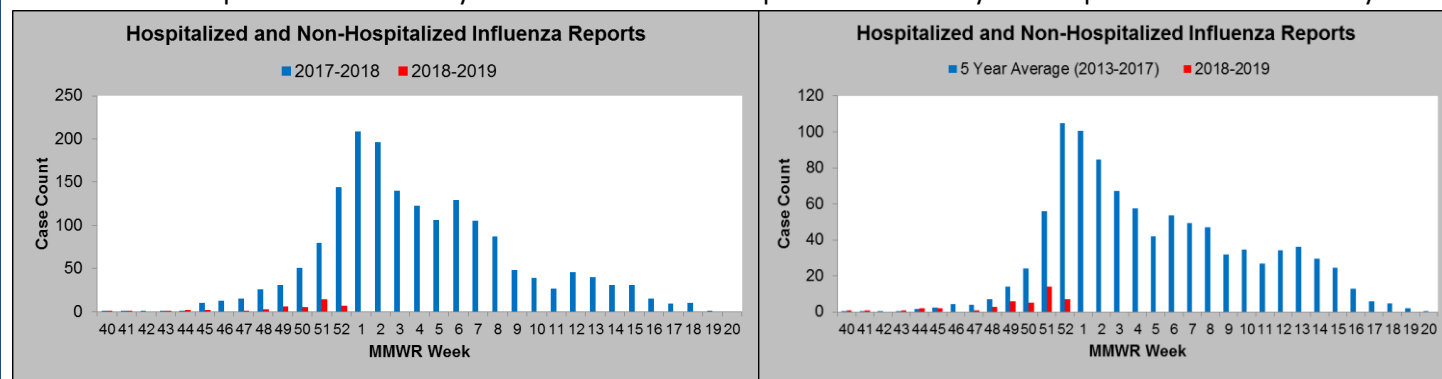
- There have been 15 influenza-associated hospitalizations in Stark County.
  - Those hospitalized for influenza have ranged from 2 years of age to 81 years of age, with the median being 58 years.
- A cumulative rate of 5.4 laboratory-confirmed influenza-associated hospitalizations per 100,000 population was reported.
- Through week 52, 3902 specimens collected nationally from public health laboratories were typed influenza A. This was 95.4% of all specimens collected. Of these, 81.4% subtyped as the 2009 H1N1 virus, 18.6% subtyped as the H3 virus, and subtyping was not performed on the rest of them.
- Nationally, 13 influenza-associated pediatric deaths were reported so far this year.

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

- Nationally, through week 52, 350 specimens were characterized as Influenza A.
  - There were 242 influenza A (H1N1) viruses collected and, of those characterized (79), 98.7% matched the influenza A (H1N1) component in this year's vaccine. There were 108 influenza A (H3N2) viruses collected and, of those characterized (6), 100% matched the influenza A (H3N2) component in this year's vaccine.
- Nationally, through week 52, 45 specimens were characterized as Influenza B.
  - Of these, 34 subtyped from the Yamagata Lineage and 11 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 50% of the Victorian Lineage matched.

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

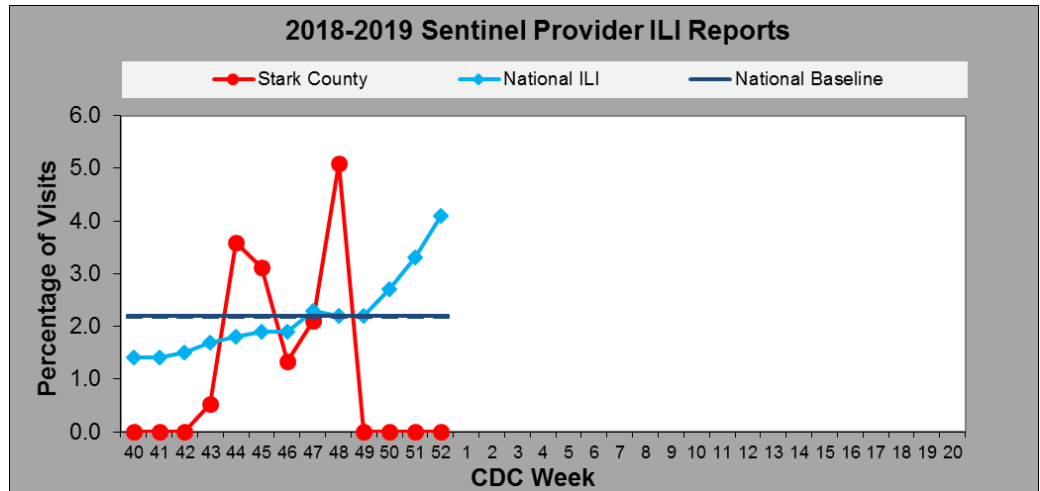
There were 7 cases of hospitalized and non-hospitalized influenza reported for Week 52 in Stark County. Last year, there were 144 cases reported. Stark County increased to 43 cases reported so far this year compared to 375 cases last year.



- 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.**

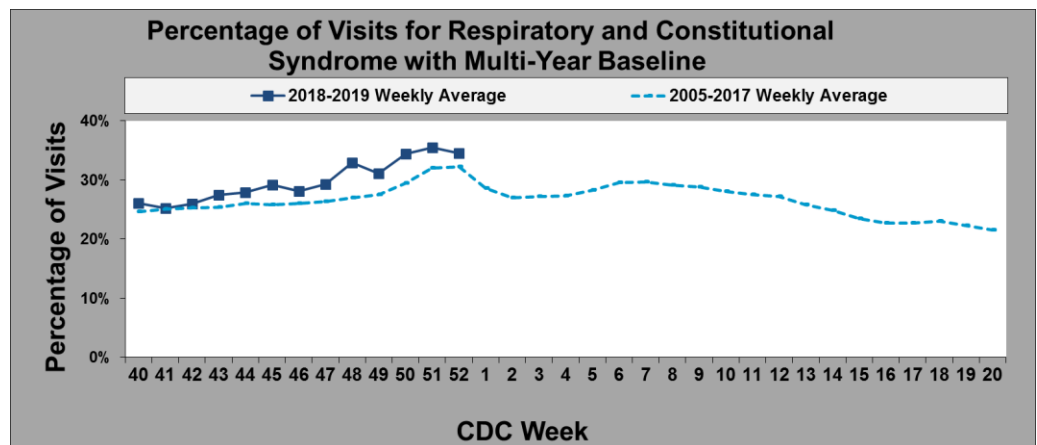
- ◆ During week 52, Stark County Sentinel Providers did not report. The national reports increased to 4.1%, which is above the 2.2% baseline.



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

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

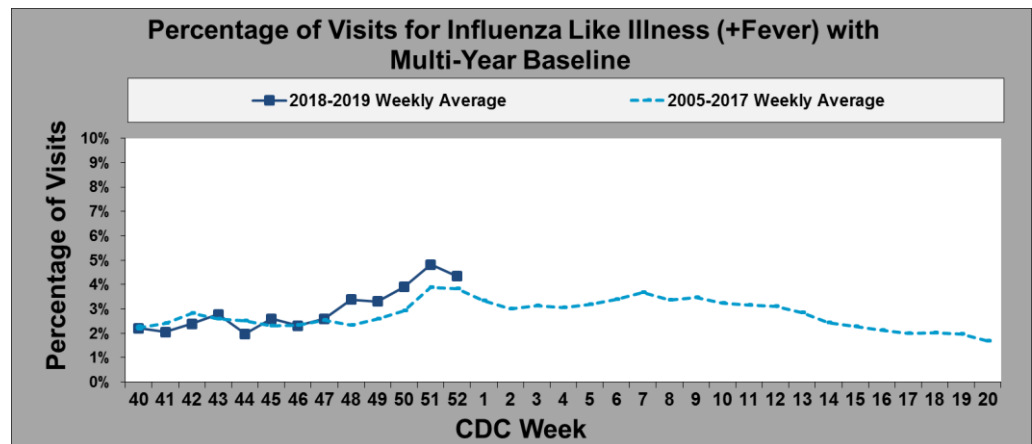
- ◆ ED and Stat Care visits for respiratory and constitutional syndrome increased, and remained above the multi-year baseline average during week 52.



**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 52 decreased from the previous week, but remained slightly above the 5 year average. (\*It should be noted that the Christmas Holiday was during Week 52, and ED/Stat care visits were nearly 50% less on 12/25 than the average daily visit for the week)

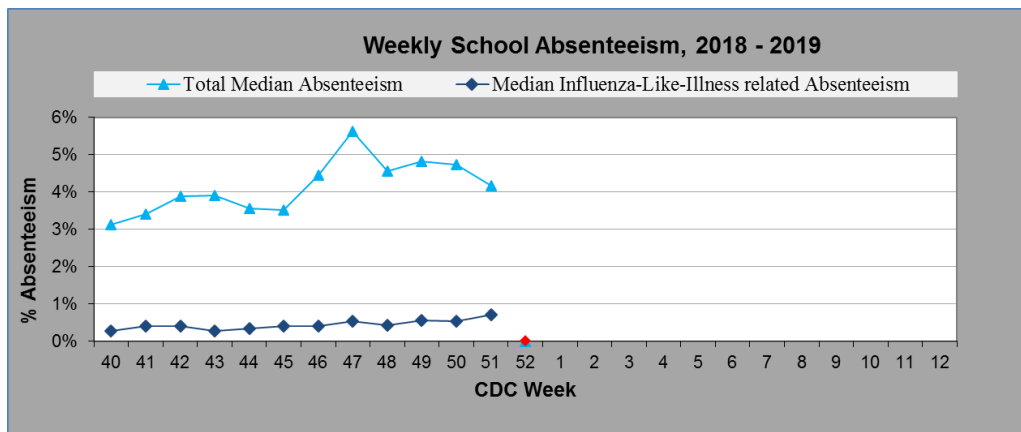


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**Graph 5: Stark County School Absenteeism.**

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

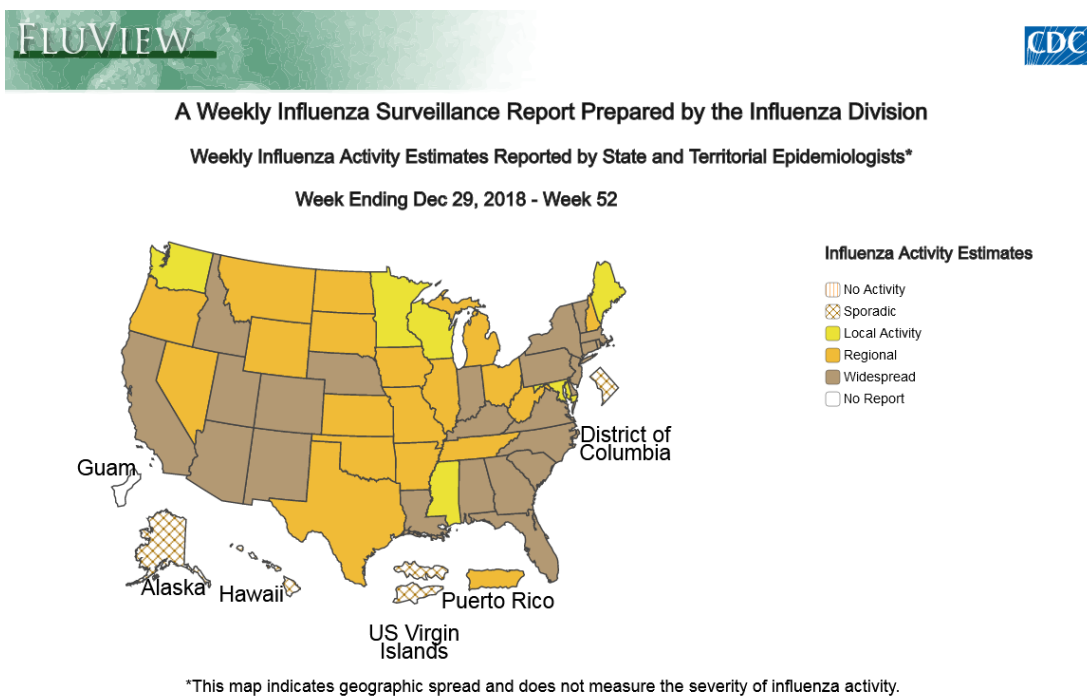
◆ During week 52, schools did no report due to Winter break.



**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 52, Ohio reported regional influenza activity, along with 17 other states. Sporadic activity – 2 states Local activity – 6 states Widespread activity – 24 states



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