

Stark County's Influenza Weekly Report

Week 1 (12/29/2019 – 01/04/2020)



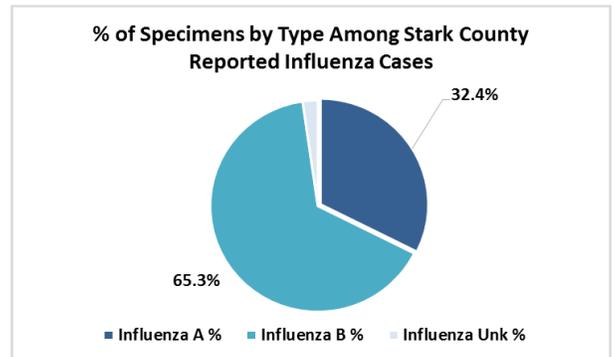
Public Health
Prevent. Promote. Protect.

During Week 1:

- Stark County had 18 influenza-associated hospitalization.
- Nationally, five influenza-associated pediatric deaths was reported.
- During week 1, the following specimens were collected nationally from public health laboratories:

Type/Subtype	Week 1	% Week 1
Influenza A	487	51.8%
(H1N1)pdm09	411	92.8%
H3N2	32	7.2%
The remainder were not subtyped		
Influenza B	454	48.2%
Yamagata	3	1.0%
Victoria	306	99.0%
The remainder were not subtyped		

Stark County Positive Influenza Cases by Type

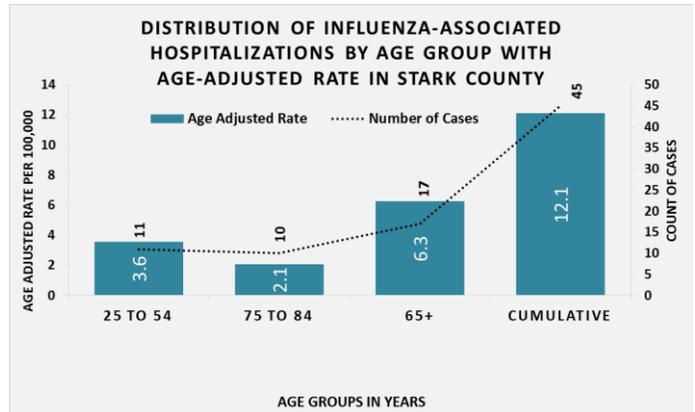


So Far this Year:

- There have been 42 influenza-associated hospitalizations in Stark County since 9/29/2019. *Two additional cases were reported before Week 40 2019.*
 - The median age is 55 years, with a range of 8 months to 90 years.
- A cumulative rate of 14.6 laboratory-confirmed influenza-associated hospitalizations per 100,000 population was reported.
- Nationally, 32 influenza-associated pediatric deaths were reported so far this year
- Up to week 1, the following specimens were collected nationally from public health laboratories:

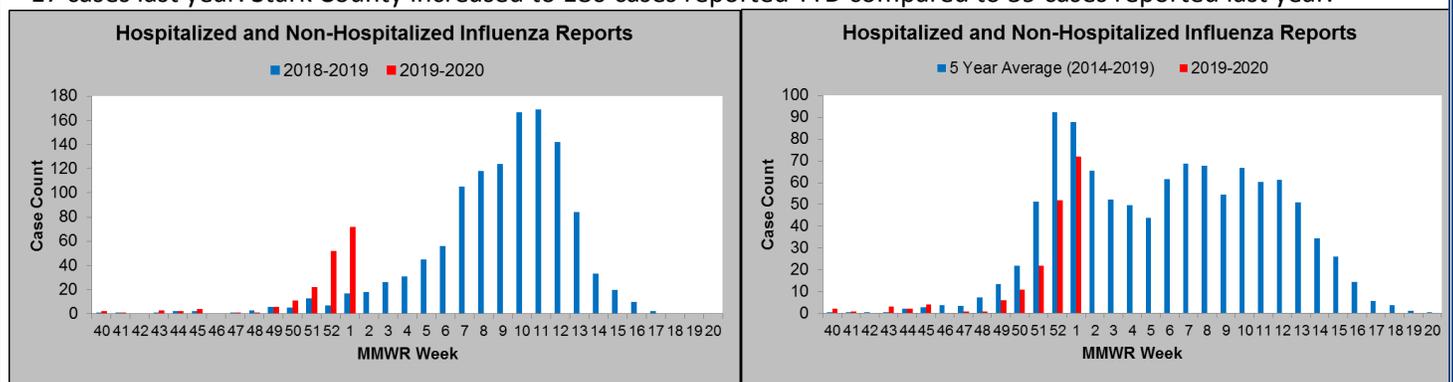
Type/Subtype	YTD	% YTD
Influenza A	5267	42.0%
(H1N1)pdm09	4127	81.7%
H3N2	927	18.3%
The remainder were not subtyped		
Influenza B	7263	58.0%
Yamagata	116	2.2%
Victoria	5204	97.8%
The remainder were not subtyped		

Stark County Age Adjusted & Cumulative Rate of Influenza-Associated Hospitalizations per 100,000.



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

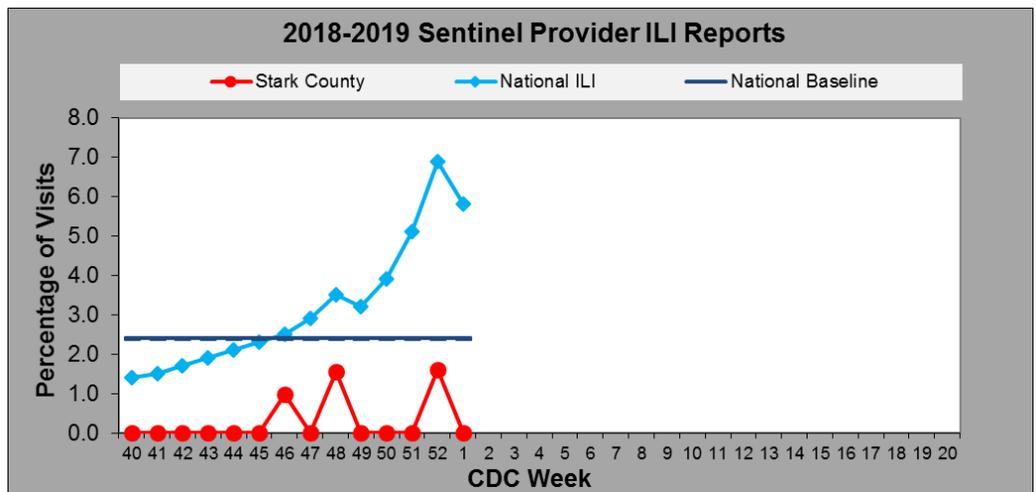
- ◆ There were 72 cases of hospitalized and non-hospitalized influenza reported for Week 1 in Stark County, compared to 17 cases last year. Stark County increased to 180 cases reported YTD compared to 59 cases reported last year.



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

(Source: U.S. Outpatient Influenza-like Illness Surveillance Network (ILINet))

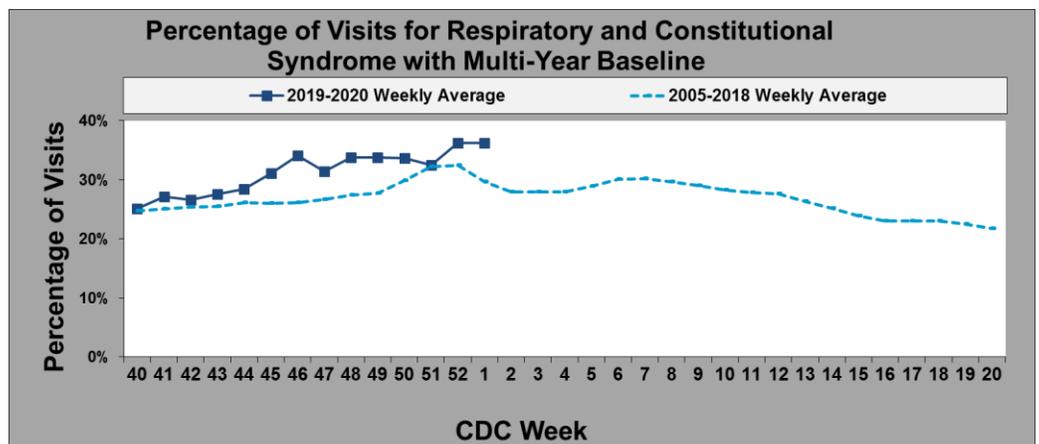
- ◆ During week 1, Stark County Sentinel Providers did not report. The national reports show that 5.8% of patient visits are due to ILI, which was a decrease from the previous week, but remained above the 2.4% baseline.



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

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

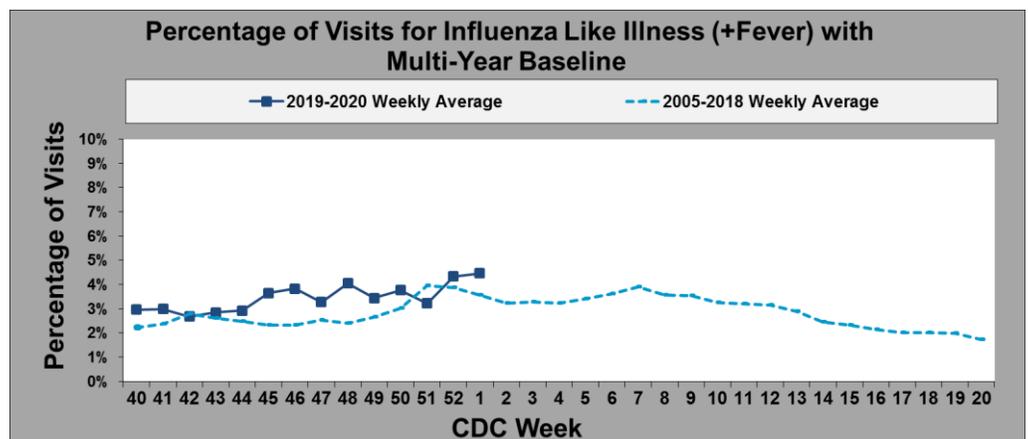
- ◆ ED and Stat Care visits for respiratory and constitutional syndrome remained steady at 33.82% of ED visits, and remained above the multi-year baseline average during week 1.



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 1 increased to 4.47% of ED visits, and remained above the multi-year average.

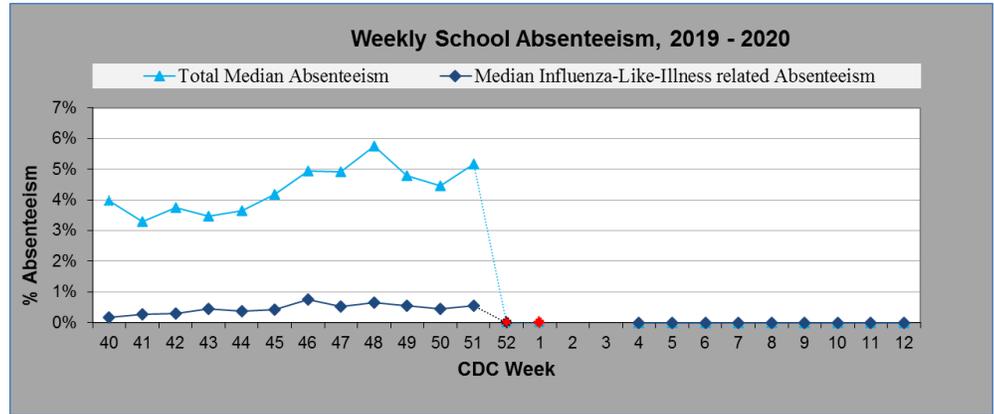


- All data presented in this weekly report are preliminary and may change as additional information is received.
- Multiyear averages included in this weekly report do not include the 2009/2010 H1N1 season.
- If you have any questions please contact Avi Joseph at 330.493.9914 or josepha@starkhealth.org or Amanda Archer at 330.489.3327 or aarcher@cantonhealth.org

Graph 5: Stark County School Absenteeism.

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

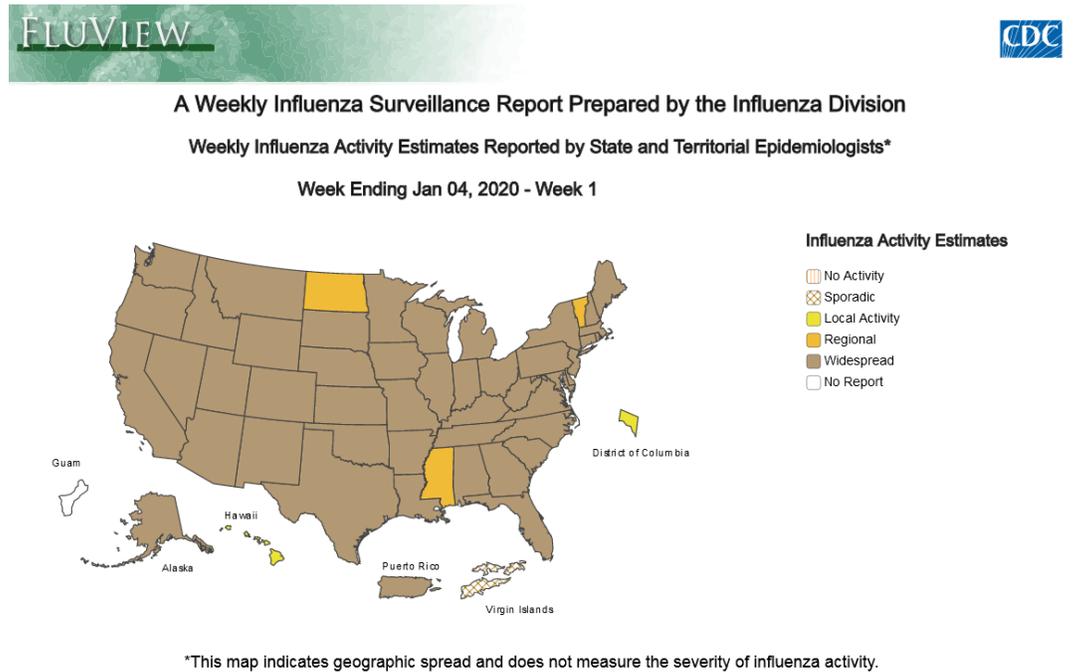
- ◆ During week 1, Stark County schools did not report due to Winter Break.



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 1, Ohio continued to report widespread influenza activity, along with 45 other states & Puerto Rico
- ◆ Regional activity – 3 states
- Local activity – 1 state & DC
- Sporadic activity - USVI



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