

Stark County's Influenza Weekly Report

Week 15 (4/7/19-4/13/19)



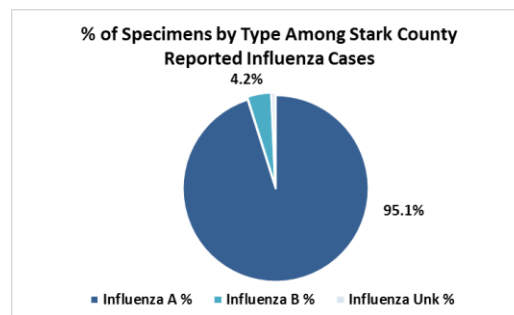
Public Health
Prevent. Promote. Protect.

During Week 15:

- Stark County had 11 influenza-associated hospitalizations.
- Nationally, 5 influenza-associated pediatric deaths were reported this week.
- 321 influenza A specimens were collected nationally from public health laboratories, 77 subtyped as the 2009 H1N1 virus, 236 subtyped as the H3 virus, and the remainder not subtyped.

So Far this Season:

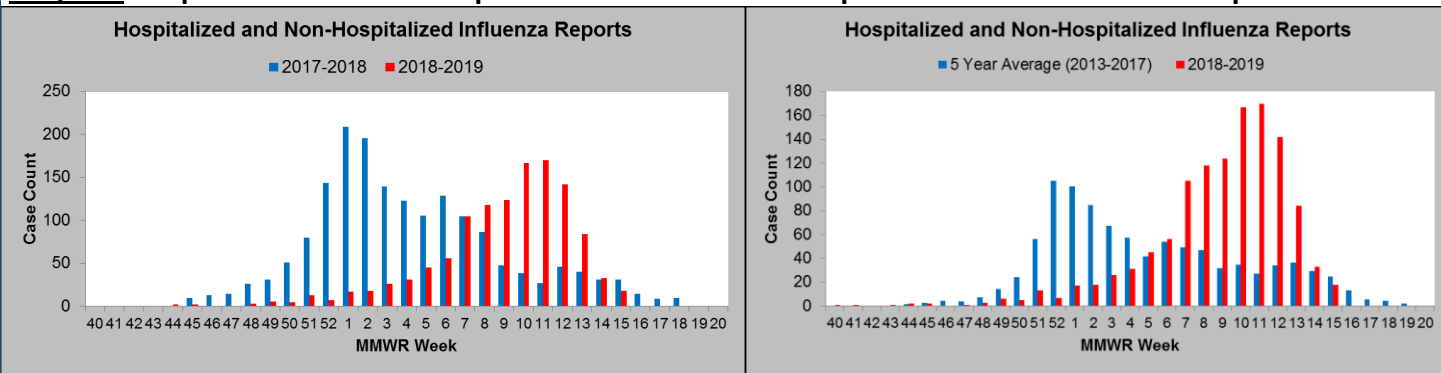
- There have been 410 influenza-associated hospitalizations so far this season in Stark County.
 - Age range of 2 weeks to 104 years; median age 68.
- A national cumulative rate of 62.3 influenza-associated hospitalizations per 100,000 was reported through Week 15.
- 37,005 Influenza A specimens were collected nationally from public health laboratories, comprising 96.6% of all specimens collected. Of these 58.6% were subtyped as the 2009 H1N1 virus and 41.4% as the H3 virus.
- Nationally, 91 influenza-associated pediatric deaths have been reported this season.
- CDC has reported a preliminary vaccine effectiveness of **47% effective** (95% CI: 34%-57%).



Viruses Circulating vs. Viruses in this Year's Vaccine

- Nationally through Week 15, 1,653 Influenza A specimens were genetically or antigenically characterized.
 - There were 703 Influenza A (H3N2) viruses collected, a sample showing significant genetic diversity. 48.4% of those characterized matched the Influenza A (H3N2) component in this year's vaccine. There were 950 Influenza A (H1N1) viruses collected; 97.0% of those characterized matched the Influenza A (H1N1) component of this year's vaccine
- Nationally through Week 15, 245 influenza B specimens were genetically or antigenically characterized.
 - Of these, 107 were antigenically characterized from the Yamagata Lineage and 98 characterized from the Victorian Lineage. Of these specimens, 100% of the Yamagata Lineage matched the Influenza B component of the 2018-2019 vaccine and 74.5% of the specimens from the Victorian Lineage matched.

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



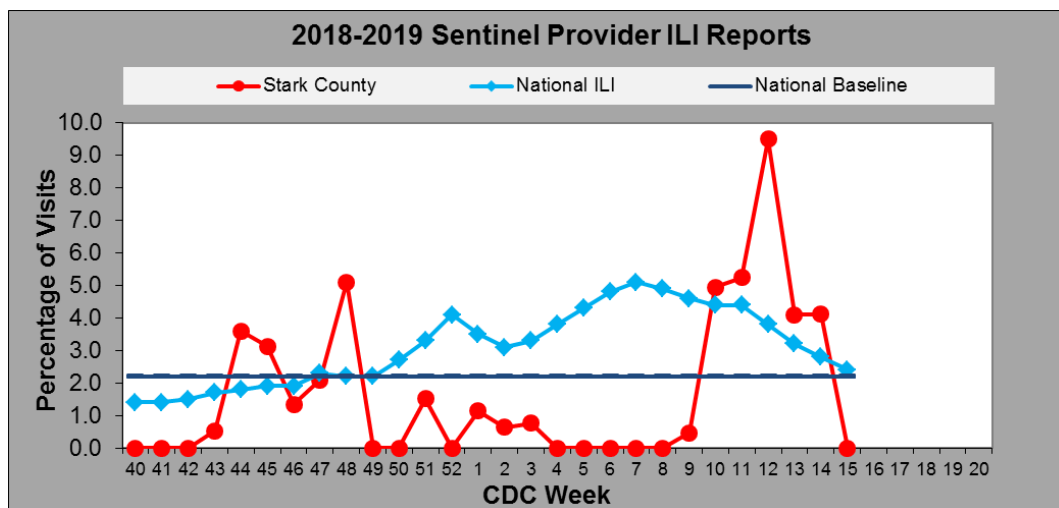
- ◆ There were 18 cases of hospitalized or non-hospitalized influenza reported during Week 15 in Stark County; last year at the same time there were 31 cases reported. Stark has had 1196 cases (1732 at the same point last year)

* 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.

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

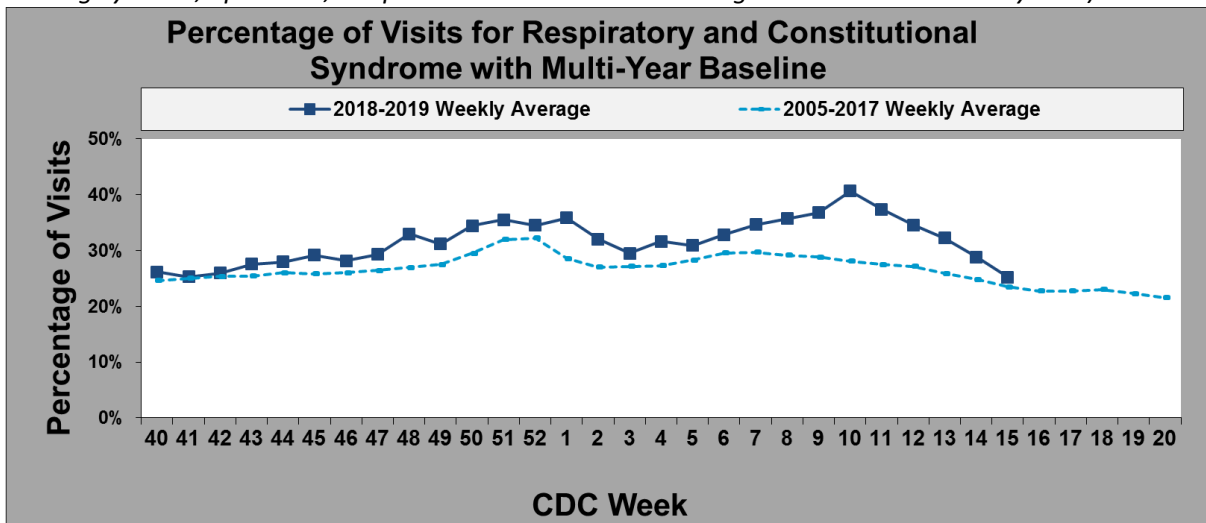
- ◆ During Week 15 the Stark County Sentinel Providers did not report visits for ILI. Nationally, 2.4% of visits were for ILI. The national baseline is 2.2% of visits.



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

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

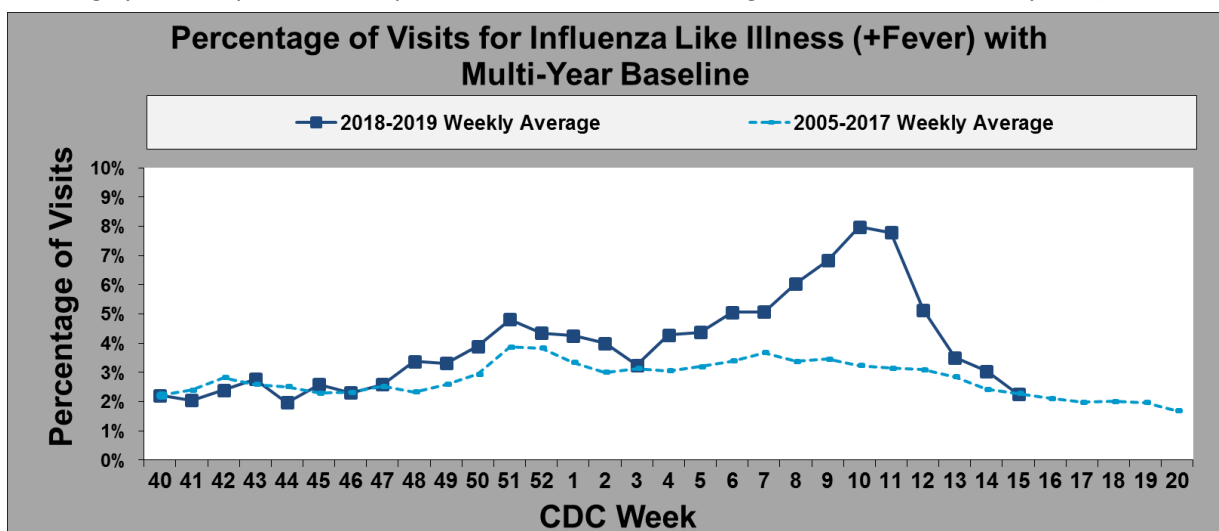
- ◆ ED and Stat Care visits for respiratory and constitutional decreased to just above the multi-year average.



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 15 decreased to about the multi-year average.

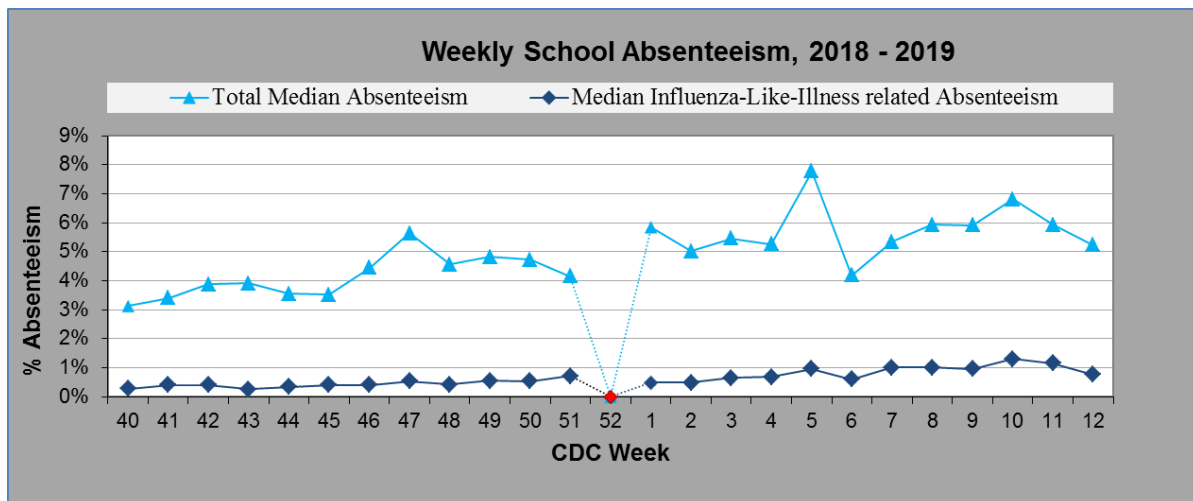


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Graph 5: Stark County School Absenteeism.

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

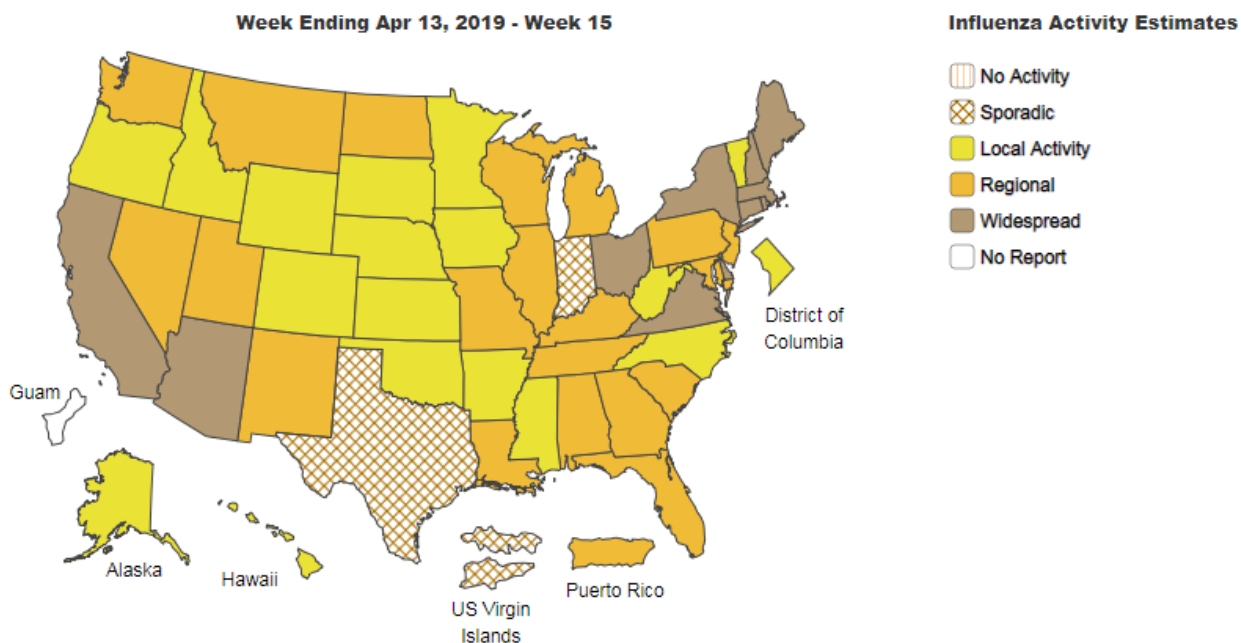
◆ Absence reporting has finished for the 2019 season.



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 15, Ohio reported widespread activity. 8 states also reported widespread influenza activity.



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cityofalliance.com/health



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