

Stark County's Influenza Weekly Report

Week 12 (3/17/19-3/23/19)



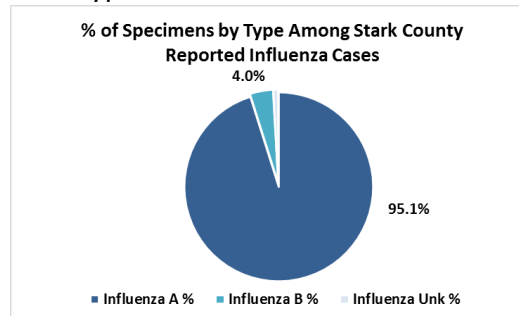
Public Health
Prevent. Promote. Protect.

During Week 12:

- Stark County had 47 influenza-associated hospitalizations.
- Nationally, 1 influenza-associated pediatric death was reported this week.
- 877 influenza A specimens were collected nationally from public health laboratories, 268 subtyped as the 2009 H1N1 virus, 573 subtyped as the H3 virus, and the remainder not subtyped.

So Far this Season:

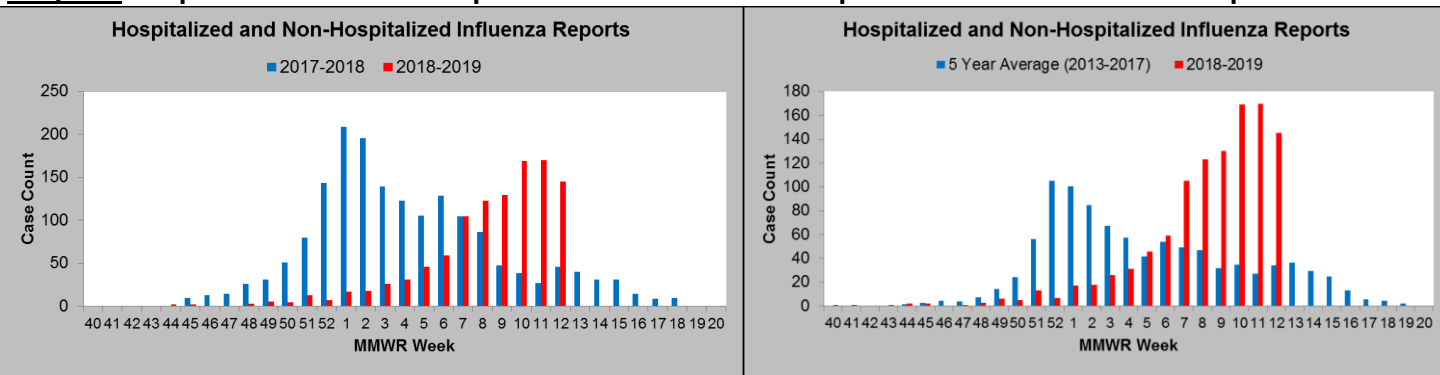
- There have been 361 influenza-associated hospitalizations so far this season in Stark County.
 - Age range of 2 weeks to 104 years; median age 66.
- A national cumulative rate of 52.5 influenza-associated hospitalizations per 100,000 was reported through Week 12.
- 32,342 Influenza A specimens were collected nationally from public health laboratories, comprising 97.3% of all specimens collected. Of these 62.2% were subtyped as the 2009 H1N1 virus and 37.8% as the H3 virus.
- Nationally, 77 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 12, 1,508 Influenza A specimens were genetically or antigenically characterized.
 - There were 618 Influenza A (H3N2) viruses collected, a sample showing significant genetic diversity. 57.4% of those characterized matched the Influenza A (H3N2) component in this year's vaccine. There were 890 Influenza A (H1N1) viruses collected; 96.9% of those characterized matched the Influenza A (H1N1) component of this year's vaccine
- Nationally through Week 12, 213 influenza B specimens were genetically or antigenically characterized.
 - Of these, 89 were antigenically characterized from the Yamagata Lineage and 54 characterized from the Victorian Lineage. Of these specimens, 100% of the Yamagata Lineage matched the Influenza B component of the 2018-2019 vaccine and 81.5% of the specimens from the Victorian Lineage matched.

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



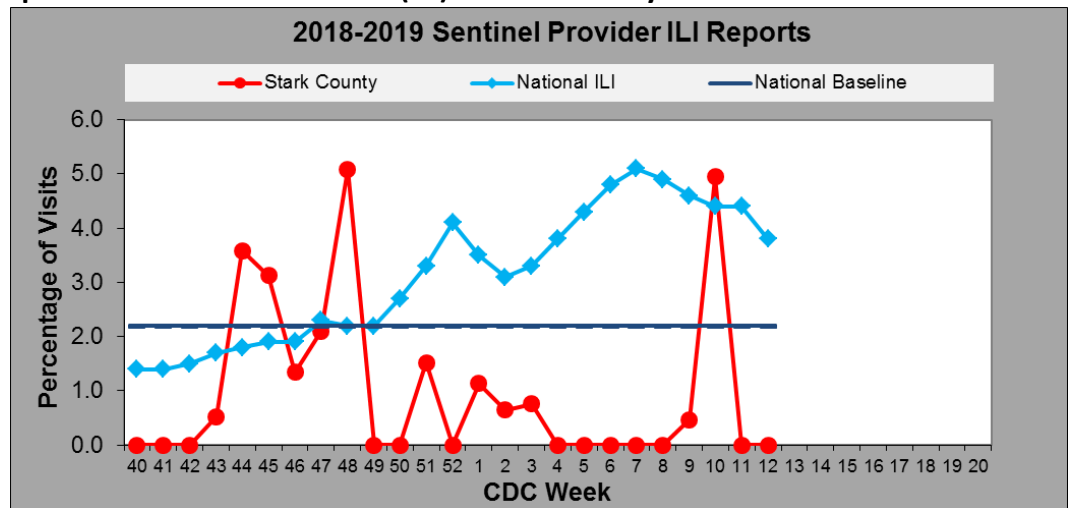
- ◆ There were 145 cases of hospitalized or non-hospitalized influenza reported during Week 12 in Stark County; last year at the same time there were 46 cases reported. Stark has had 1081 cases (1630 at same point last year)

* 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.

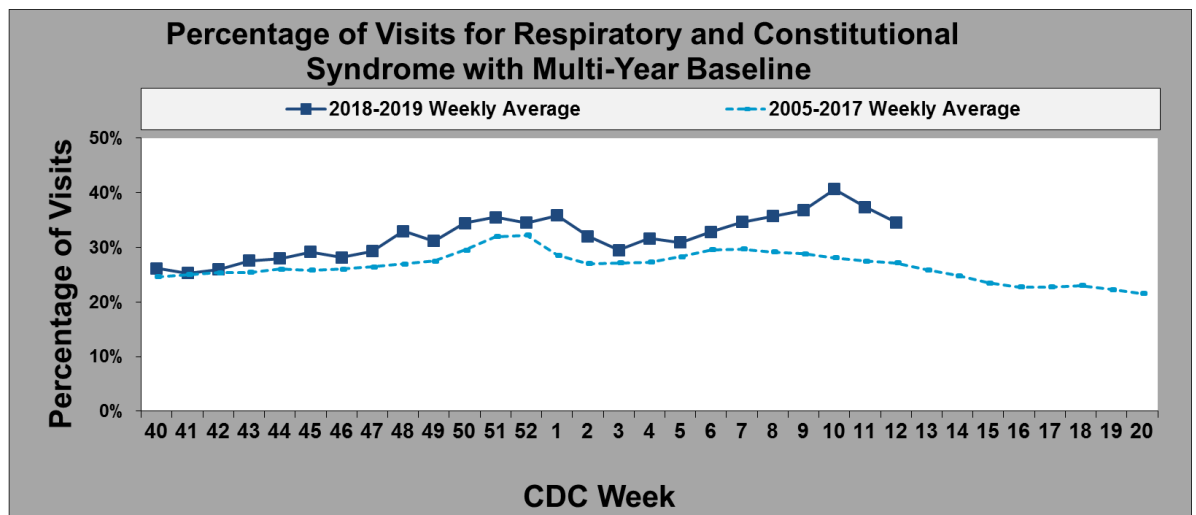
- ◆ During Week 12 the Stark County Sentinel Providers did not report visits for ILI. Nationally 3.8% of visits were for ILI. The national baseline is 2.2% of visits.



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

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

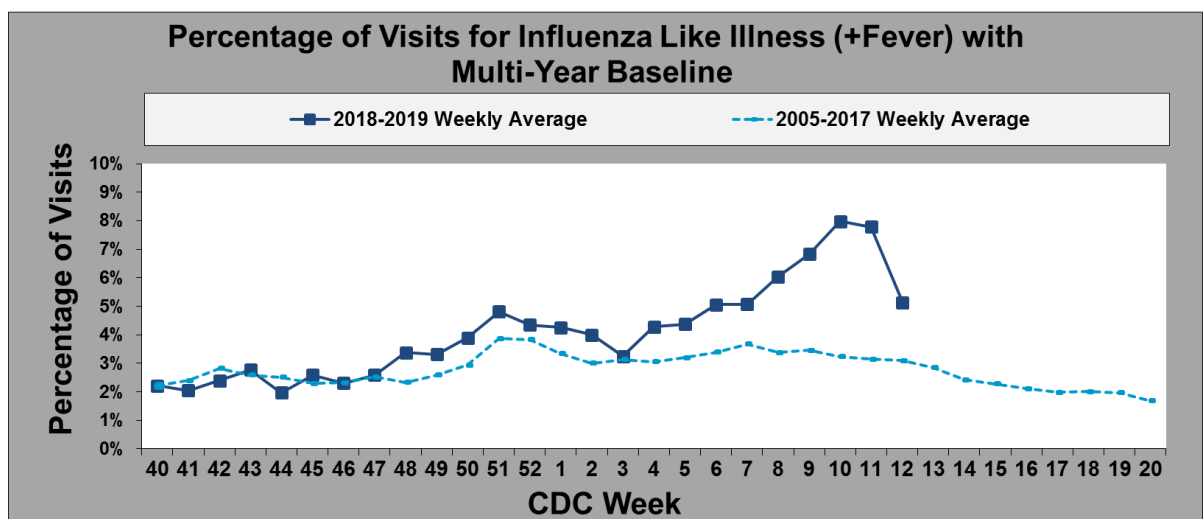
- ◆ ED and Stat Care visits for respiratory and constitutional decreased but remained above the multi-year average.



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 12 decreased sharply but remained above the multi-year average.



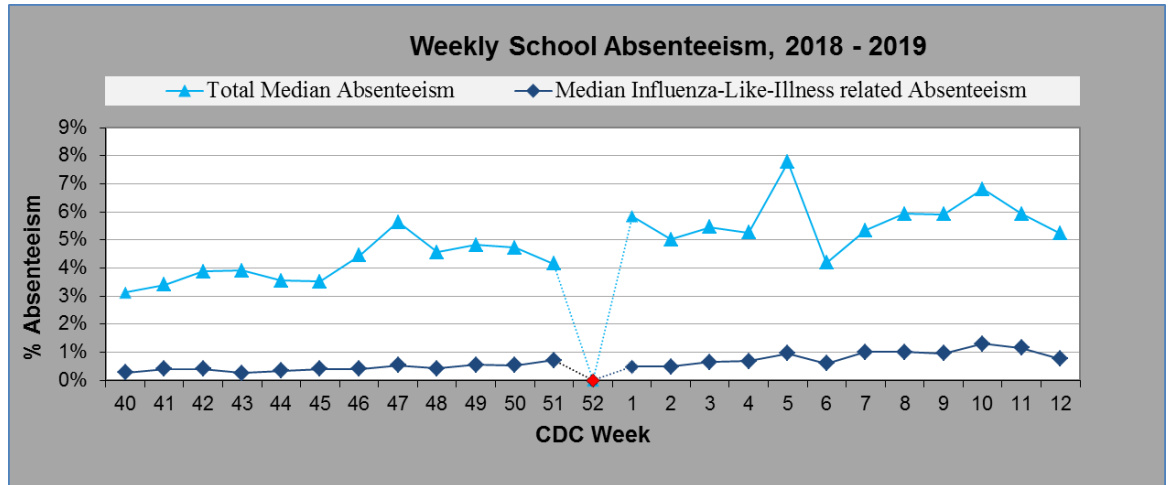
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Graph 5: Stark County School Absenteeism.

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

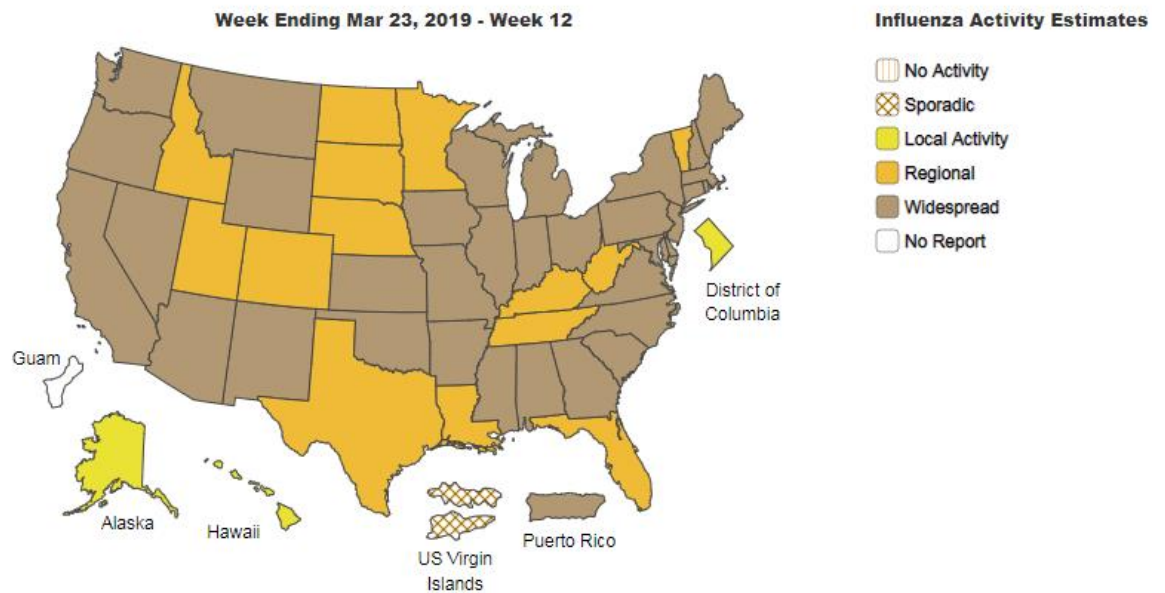
◆ During Week 12, there were 52 schools reporting absenteeism. Of those, a median of 5.24% of students were absent and a median of 0.77% due to ILL.



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 12, Ohio reported widespread activity. 33 states also reported widespread influenza activity.



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Massillon City Health Department
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