



Public Health
Prevent. Promote. Protect.

Mahoning County District Board of Health

Influenza Summary

December 3, 2018

2018-2019 Influenza Season Surveillance Summary

Week 47: November 18-November 24, 2018

The Mahoning County District Board of Health, in conjunction with Youngstown City Health District, will collect influenza surveillance data from September through May.

Summary: During MMWR Week 47, public health surveillance data sources indicate minimal intensity for influenza-like illness (ILI) in outpatient settings reported by Ohio's sentinel providers. The percentage of emergency department visits with patients exhibiting constitutional symptoms are slightly above baseline levels statewide; fever and ILI specified ED visits are below baseline levels. Reported cases of influenza-associated hospitalizations are below the seasonal threshold*. There were 24 influenza-associated hospitalizations reported during MMWR Week 47.

Current Ohio Activity Level - Local: *Definition: Increased ILI in 1 region; ILI activity in other regions is not increased AND recent (within the past 3 weeks) lab evidence of influenza in region with increased ILI, OR 2 or more institutional outbreaks (ILI or lab confirmed) in 1 region; ILI activity in other regions is not increased AND recent (within the past 3 weeks) lab evidence of influenza in region with the outbreaks; virus activity is no greater than sporadic in other regions.*

State Surveillance Data:

- ODH lab has reported 13 positive influenza tests from specimens sent from various submitters. 2018-2019 influenza season results: (12) A/pdmH1N1; (0) A/H3N2; (1) Influenza B; (through 11/24/2018).
- The National Respiratory and Enteric Virus Surveillance System (NREVSS) has reported 11,819 influenza tests performed at participating facilities.
- 2018-2019 influenza season positive results: (6) A/pdmH1N1, (0) A/H3N2, (54) Flu A Not Subtyped, and (17) Flu B (through 11/24/2018).
- 0 pediatric influenza-associated mortalities have been reported during the 2018-2019 season (through 11/24/2018).
- No novel influenza A virus infections have been reported during the 2018-2019 season (through 11/24/2018).
- Incidence of confirmed influenza-associated hospitalizations in 2018-2019 season = 110 (through 11/24/2018).

Local Surveillance: (Week 47) Still very little data is being received in regards to influenza like illness. Respiratory illness seen in emergency room visits is following the same trend as last season.

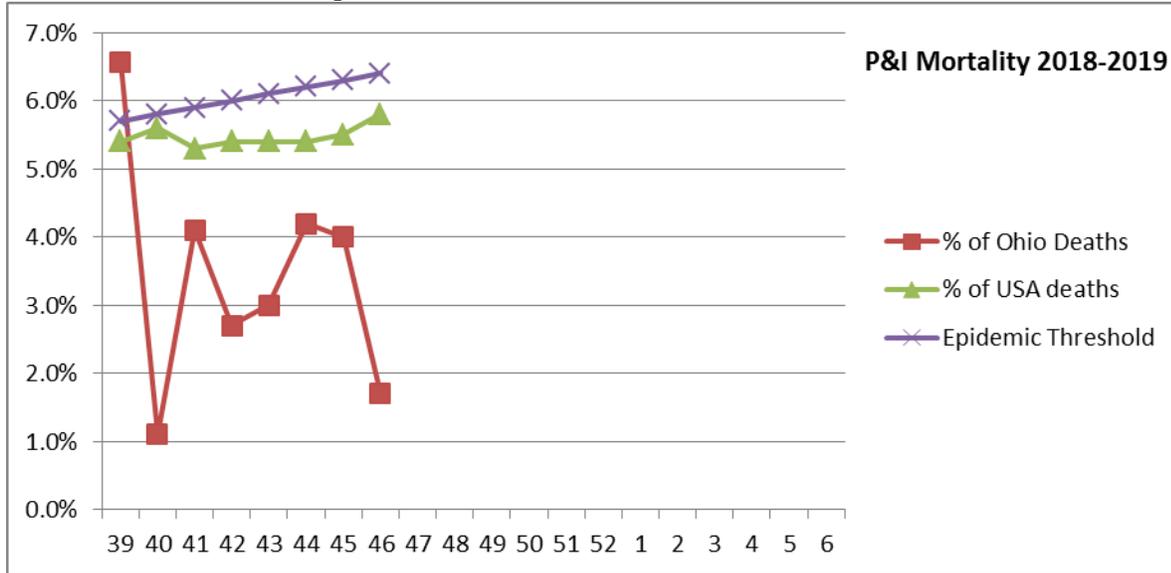
- **Laboratory Confirmed Tests:** No non-hospitalized laboratory reports were received through Week 47.
- **Physician Offices:** Physicians have begun testing for influenza and there have been four (4) positive tests reported for Influenza A since Week 41.
- **Hospitalized cases:** Zero hospitalized cases have been reported through Week 47.

Pneumonia and Influenza (P&I) Deaths 2018-2019 Flu Season

Each week, the CDC Morbidity and Mortality Weekly report (MMWR) reports the total number of death certificates filed and the number of those for which pneumonia or influenza was listed as the underlying or as a contributing cause of death from the vital statistics offices of 122 cities. **CDC is no longer reporting local city data, only by state so we will be reporting Ohio P & I deaths instead of Youngstown data**

MMWR Week 46:

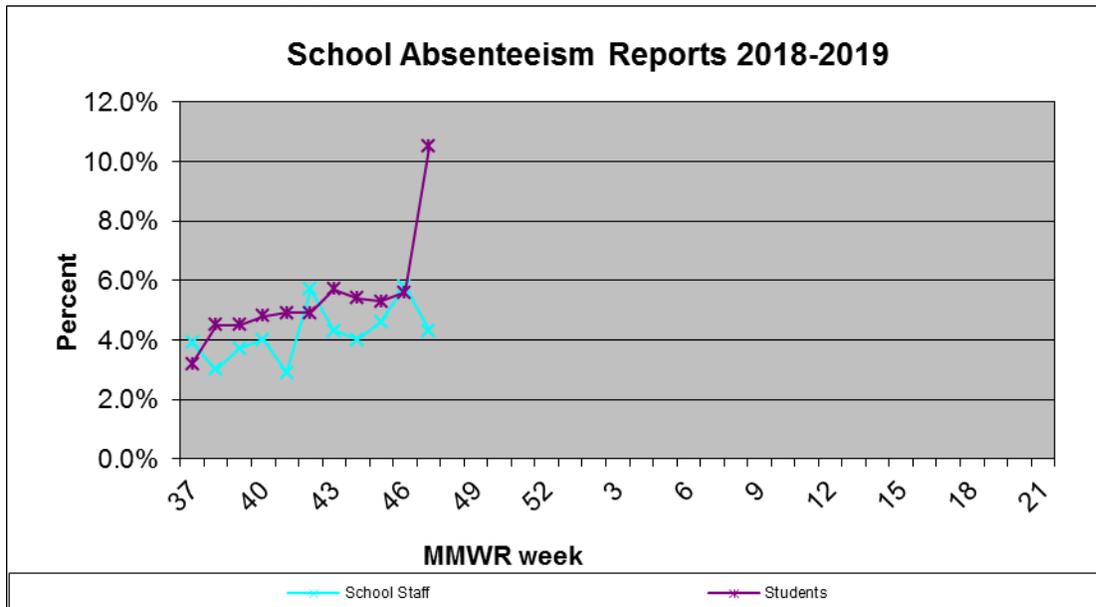
- Ohio mortality due to P & I was 1.7%
- United States mortality due to P & I was 5.8%
- National Epidemic Threshold of 6.4%.



Absentee Data from sentinel Mahoning County Schools: (Week 47)

Absenteeism in schools reflects the sum of the average daily absences for the week from all the reporting schools (currently 21 out of 79 schools report) divided by the sum of the reported student population in these schools for the week. (This will help provide a more accurate number of absences during the shortened school weeks of the holidays)

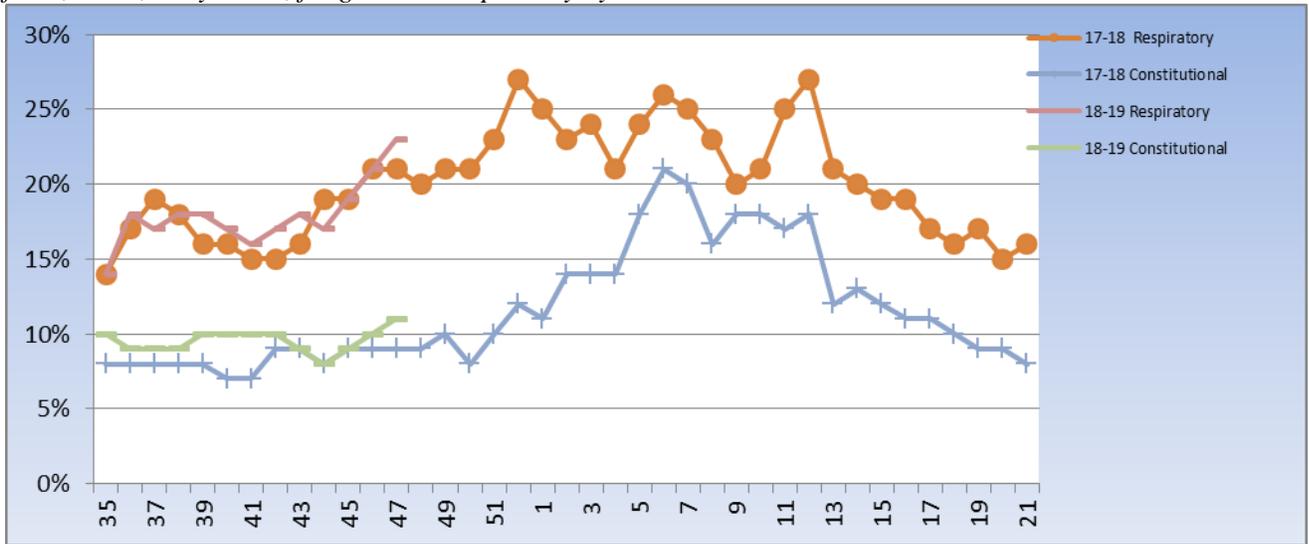
- **School absences:** (Total absences for week vs. population of school: could mean one child absent on multiple days) **Week 47** Most schools were only open 2 days this week**
 - **Students: 10.5%**
 - **Staff: 4.3%**



All Schools, and Daycare Centers in Mahoning County were asked to participate as sentinel sites and report their daily absentee data and influenza like illness. *NOTE*: Numbers change as updated reports are received.*

Emergency Department Visits:

There are two hospital systems in Mahoning County who report electronically all ED visits into the Epicenter system. *Report: Constitutional Syndrome: Non-localized, systemic problems including fever, chills, body aches, fatigue and Respiratory Syndrome*



Any questions regarding this information please contact Susan Kovach at the Mahoning County District Board of Health at 330-270-2855 x 132