



Public Health
Prevent. Promote. Protect.

Mahoning County District Board of Health

Influenza Summary

February 4, 2019

2018-2019 Influenza Season Surveillance Summary

Week 4(2019): January 20-January 26, 2019

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 4, 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 and fever and ILI specified ED visits are below baseline levels. Reported cases of influenza-associated hospitalizations are above the seasonal threshold*. There were 273 influenza associated hospitalizations reported during MMWR Week 4.

Current Ohio Activity Level – *Widespread Activity*: *Definition: Increased ILI in at least half of the regions AND recent (within the past 3 weeks) lab confirmed influenza in the state.*

State Surveillance Data:

- ODH lab has reported 293 positive influenza tests from specimens sent from various submitters.
- 2018-2019 influenza season positive results: (160) A/pdmH1N1; (67) A/H3N2; (1) Influenza B; (through 01/26/2019).
- The National Respiratory and Enteric Virus Surveillance System (NREVSS) has reported 35,870 influenza tests performed at participating facilities.
- 2018-2019 influenza season positive results: (111) A/pdmH1N1, (46) A/H3N2, (2675) Flu A Not Subtyped, and (49) Flu B (through 01/26/2019).
- 0 pediatric influenza-associated mortalities have been reported during the 2018-2019 season (through 01/26/2019).
- No novel influenza A virus infections have been reported during the 2018-2019 season (through 01/26/2019).
- Incidence of confirmed influenza-associated hospitalizations in 2018-2019 season = 1832 (through 01/26/2019).

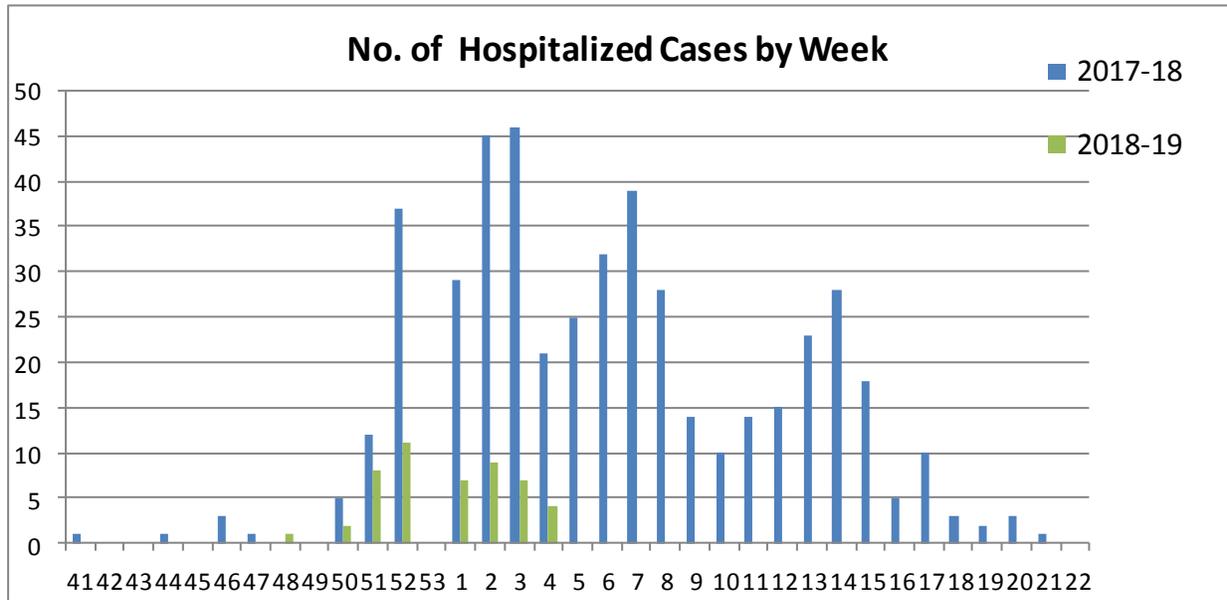
Local Surveillance: (Week 4): Ohio is still at widespread flu activity this week. Influenza like illness and respiratory illness seen in emergency room visits remains consistent. There also continues to be multiple hospitalized cases reported.

○ **Physician Offices:**

- **Total: Forty seven (47)** positive tests (28%) reported for Influenza since Week 41.
 - 45 Influenza A and 2 Influenza B
- **Week 3:** Fifteen (15) positive Influenza cases (31% of tests were positive) 13 were Influenza A (87%)

Hospitalized cases:

- **Total: Sixty one (61)** hospitalized cases have been reported.
 - 60 Influenza A and 1 Influenza B: 5 pediatric cases
- Week 4 (2019) : Six (6) new cases (All Influenza A)
- Week 5 (2019) : Eight (8) new cases as of 2/1/19 (Influenza A)

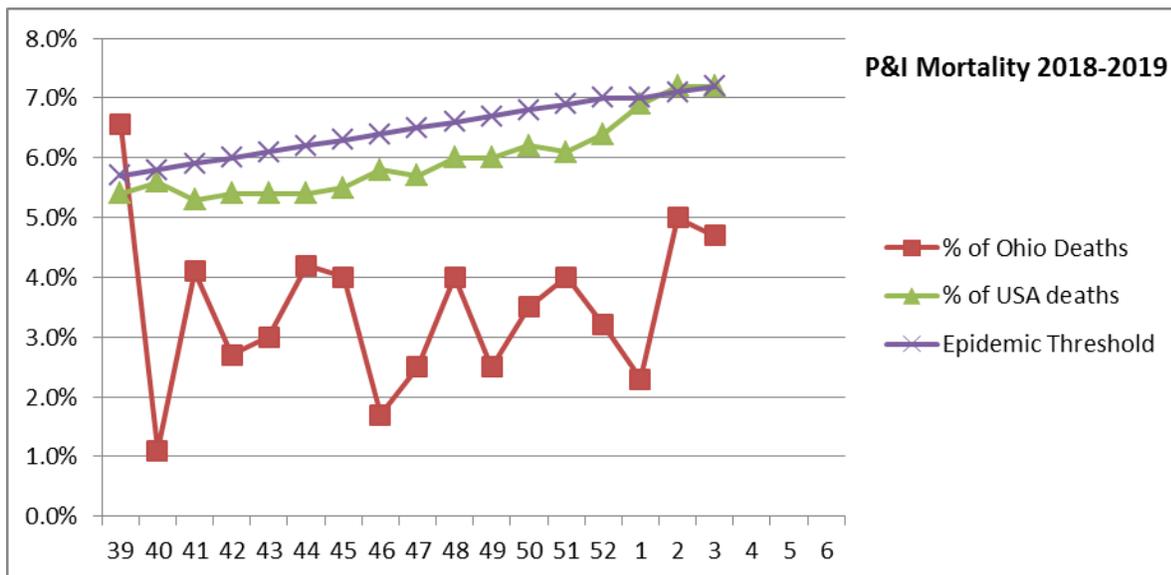


Pneumonia and Influenza (P&I) Deaths 2018-2019 Flu Season

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 3:

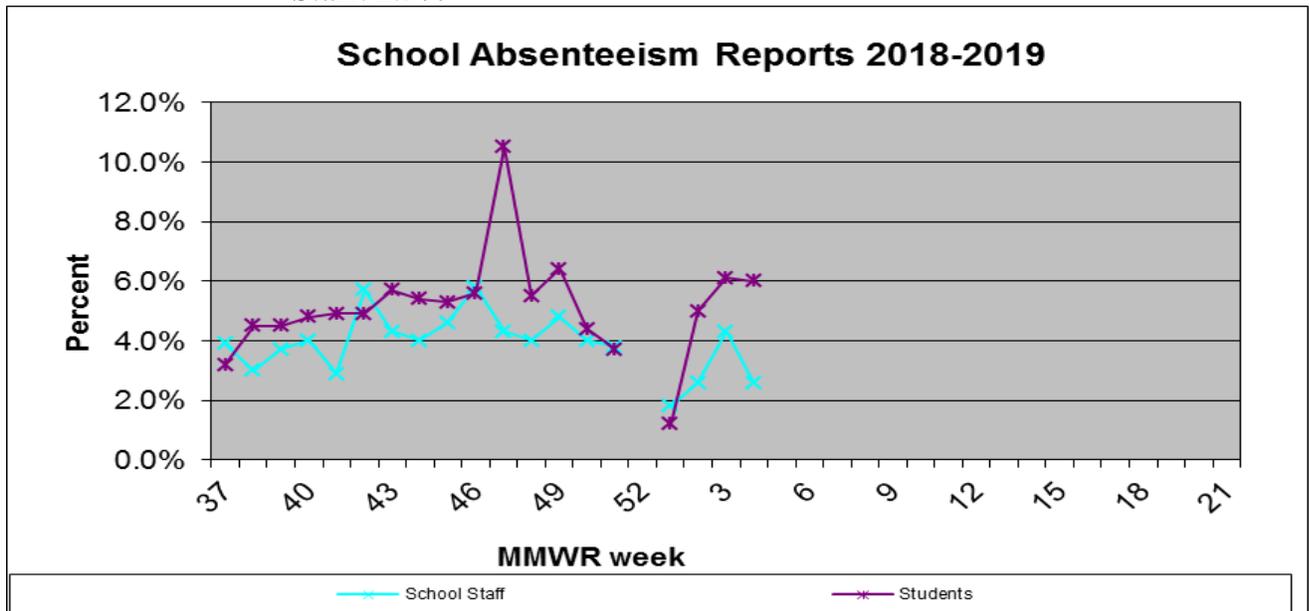
- Ohio mortality due to P & I was 4.7%
- United States mortality due to P & I was 7.2%
- National Epidemic Threshold of 7.2%.



Absentee Data from sentinel Mahoning County Schools: (Week 4)

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) * **Schools closed for Week 52**

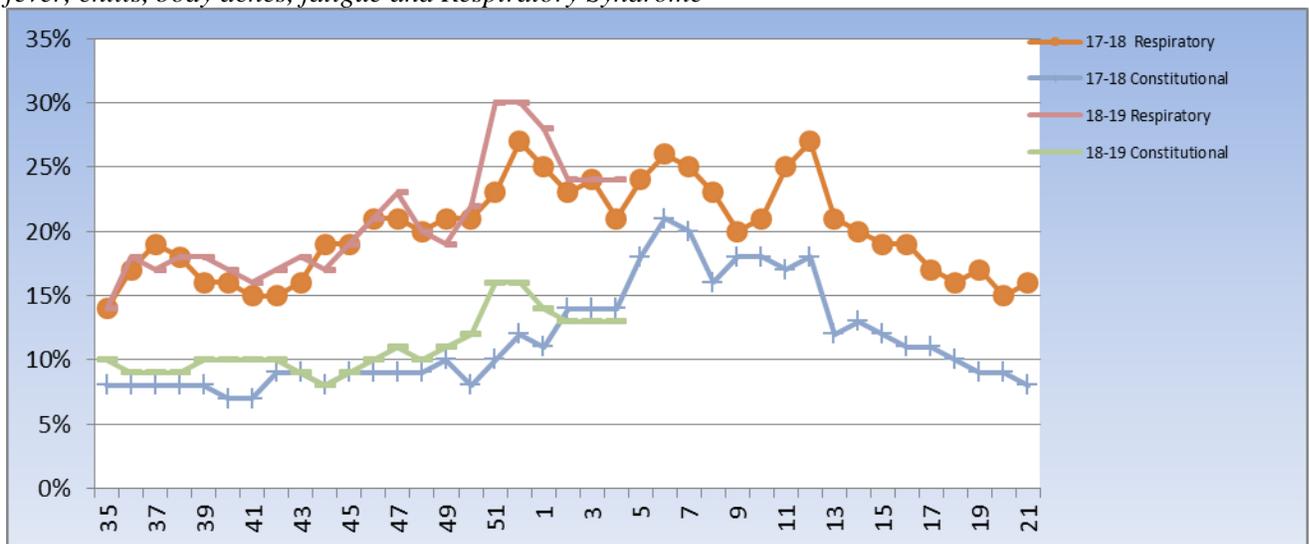
- **School absences:** (Total absences for week vs. population of school: could mean one child absent on multiple days) **Week 4**
 - **Students: 6.0%**
 - **Staff: 2.5%**



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