

Toledo-Lucas County Health Department Seasonal Influenza Activity Summary

MMWR Week 48 November 26-December 2, 2017

Local Surveillance:

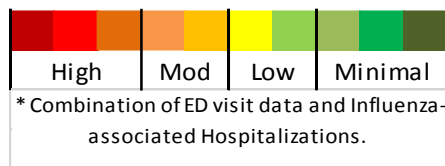
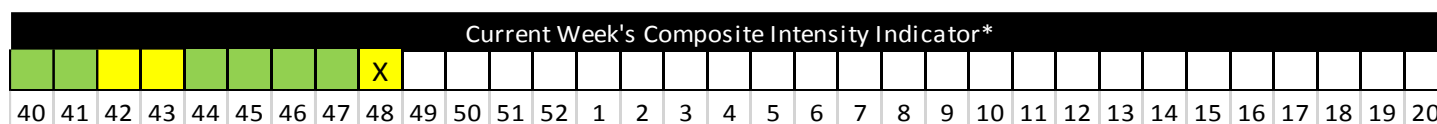
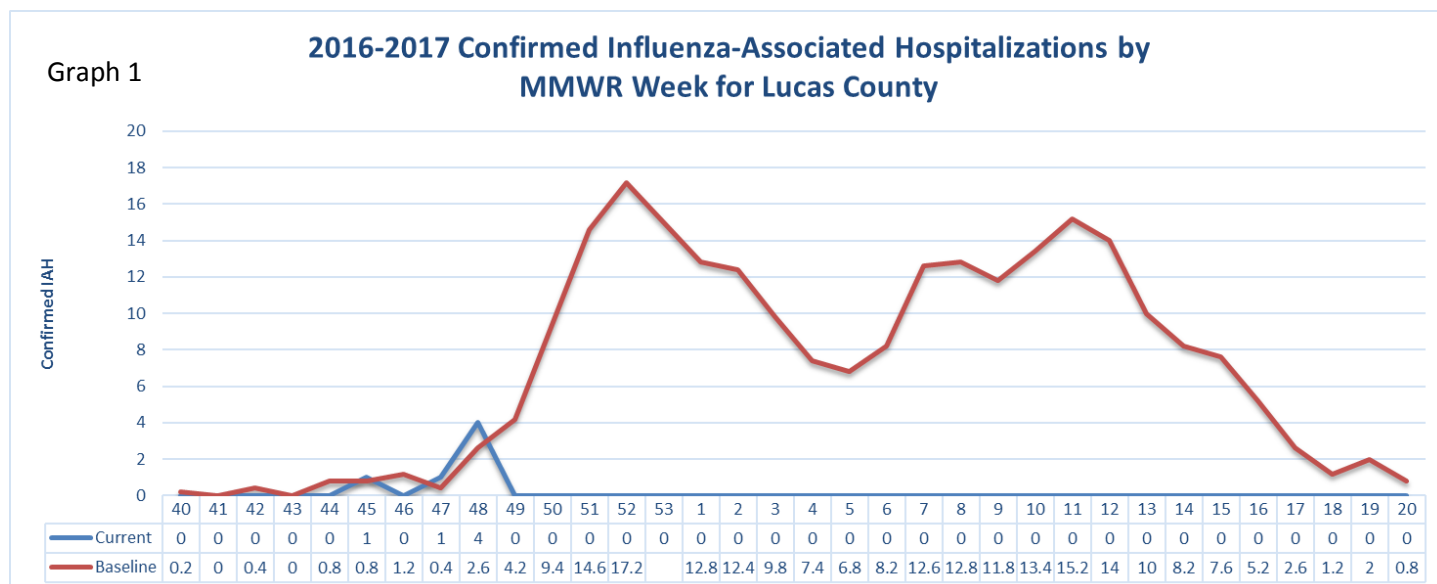
Current Influenza Activity Levels:

Lucas County had **4** confirmed Influenza-associated Hospitalizations (IAH) reported in week 48, bringing the total to **6** cases as of December 2, 2017.

Gender Distribution of Cases: 83% female, 17% male

Lucas County accounts for 1.9% of the IAH reported in Ohio.

Graph 1 illustrates the current confirmed Influenza-Associated Hospitalizations compared to baseline, which is a five year average.



ED Visits are comprised of Influenza-like illness and respiratory syndrome.



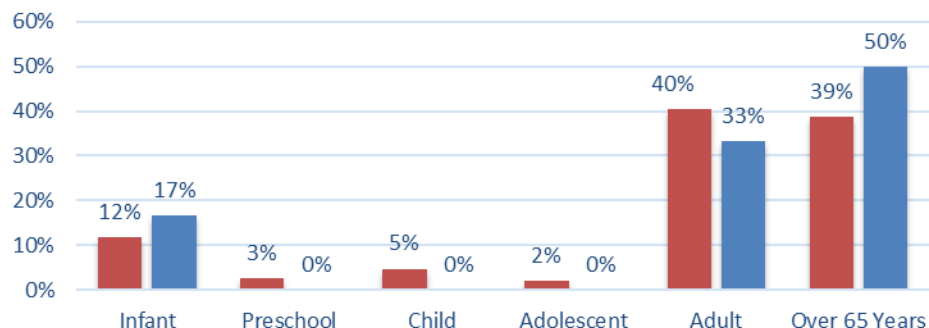
MAIN OFFICE
635 North Erie Street
Toledo, Ohio 43604
419.213.4100

WESTERN CLINIC SITE
330 Oak Terrance Blvd.
Holland, Ohio 43528
419.213.6255

Toledo-Lucas County Health Department Seasonal Influenza Activity Summary

MMWR Week 48 November 26-December 2, 2017

Age Distribution of Influenza-Associated Hospitalizations

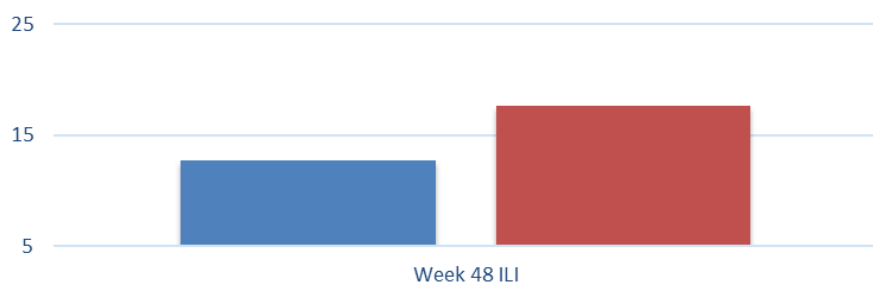


Graph 2

■ 5 Year Baseline Average ■ Current Year

The number of emergency department visits with patients exhibiting fever/ILI symptoms was below baseline for MMWR 48. ILI (Influenza-Like Illness) is defined as a *fever greater than or equal to 100 degrees F AND a cough or sore throat*. (Graph 3)

Visits to Emergency Departments for Patients Exhibiting Fever/ILI Symptoms for Lucas County Residents



Graph 3

■ Current Week Average (2017) ■ Baseline Average

Summary of State Data: Current Ohio Activity Level (Geographic Spread) – Regional

Definition: Increased ILI in > 2 but less than half of the regions AND recent (within the past 3 weeks) lab confirmed influenza in the affected regions, OR institutional outbreaks (ILI or lab confirmed) in > 2 but less than half of the regions AND recent (within the past 3 weeks) lab confirmed influenza in the affected regions.

Cont.

Toledo-Lucas County Health Department Seasonal Influenza Activity Summary

MMWR Week 48 November 26-December 2, 2017

During MMWR Week 48, 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 above baseline levels statewide; fever and ILI specified ED visits are below baseline levels. Reported cases of influenza-associated hospitalizations are above the seasonal threshold*. There were 92 influenza-associated hospitalizations reported.

State Surveillance:

- ODH lab has reported 35 influenza tests from specimens sent from various submitters. 2017-2018 influenza season results: (1) A/pdmH1N1; (22) A/H3N2; (1) Influenza B; (through 12/2/2017).
- The National Respiratory and Enteric Virus Surveillance System (NREVSS) has reported 11380 influenza tests performed at participating facilities. 2017-2018 influenza season positive results: (0) H1N1, (10) A/H3N2, (115) Flu A Not Subtyped, and (37) Flu B (through 12/2/2017).
- 0 pediatric influenza-associated mortalities have been reported during the 2017-2018 season (through 12/2/2017).
- No novel influenza A virus infections have been reported during the 2017-2018 season (through 12/2/2017).
- Incidence of confirmed influenza-associated hospitalizations in 2017-2018 season = 257 (through 12/2/2017).

Regional Surveillance*: During week 47 (November 19 – November 25, 2017), the proportion of outpatient visits for ILI in Region 5 (Ohio is in Region 5) was 1.55%, which is below the regional baseline of 1.8%. West Virginia, Indiana, and Michigan reported Sporadic Activity; Ohio (Regional for Week 48) and Pennsylvania reported Local Activity; Kentucky reported Regional Activity

National Surveillance*: During week 47 (November 19 – November 25, 2017), Most U.S. states reported Minimal influenza activity. The proportion of outpatient visits for ILI was 2.3%, which is above the national baseline of 2.2%. Four of 10 regions reported ILI at or above their region-specific baseline level. The most frequently identified influenza virus type reported by public health laboratories was influenza A (H3N2).

*Regional and National surveillance data are reported one week later than Ohio state and local data

Flu Information:

[Study: H3N2 mutation in egg-based vaccines lowered efficacy](#)

[Experts say production challenges show need for better flu vaccines](#)

State, Regional and National data is provided by the Ohio Department of Health

[ODH Influenza Activity Summary MMWR 48](#)