

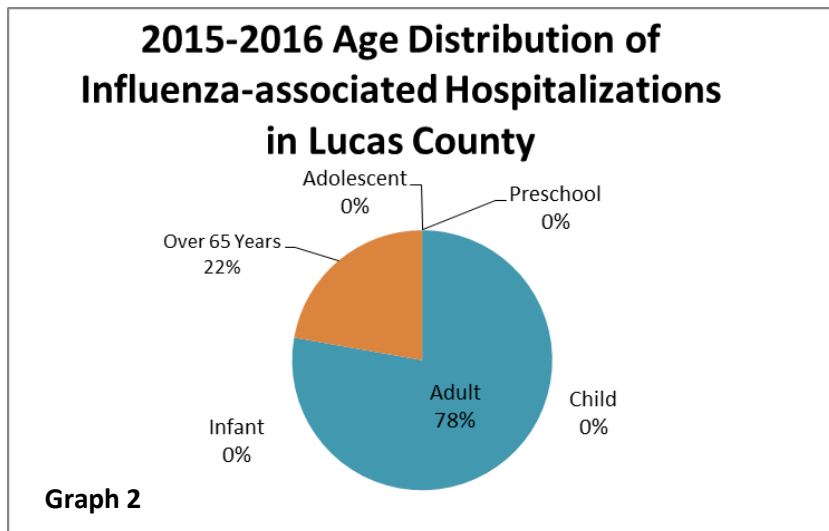
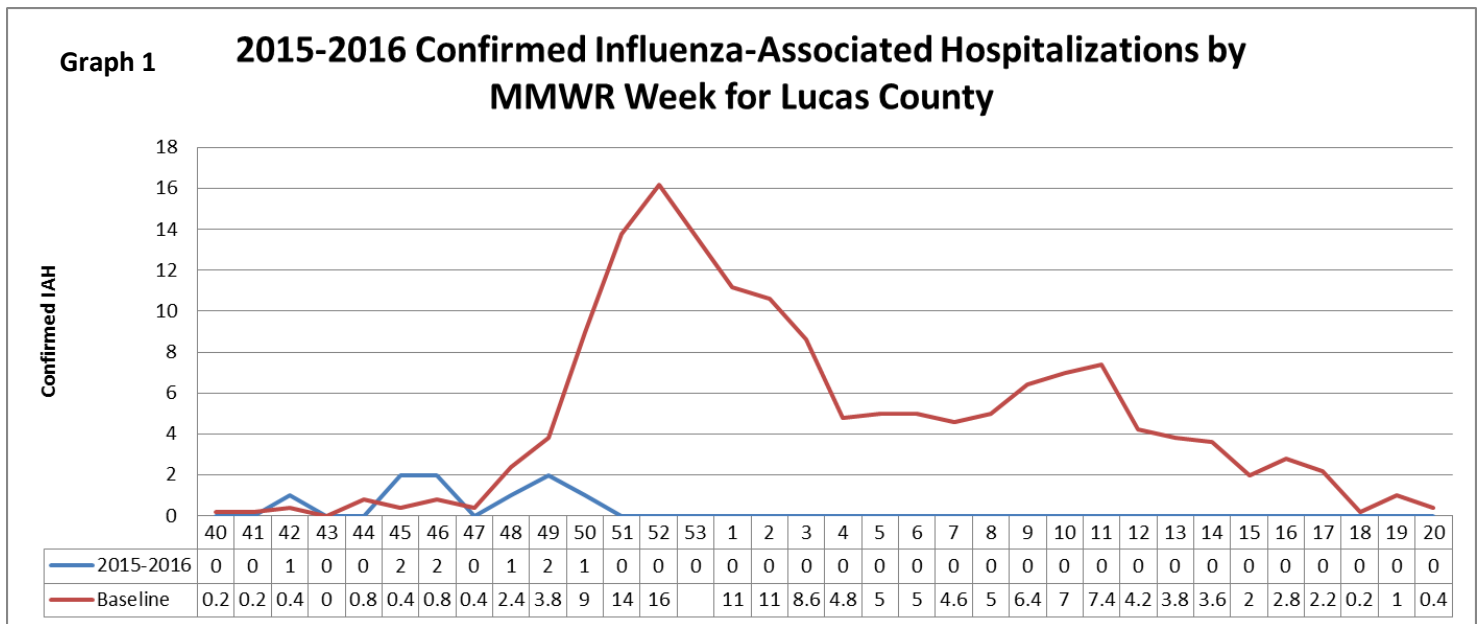
Toledo-Lucas County Health Department Seasonal Influenza Activity Summary

MMWR Week 50

December 13-19, 2015

Current Influenza Activity Levels:

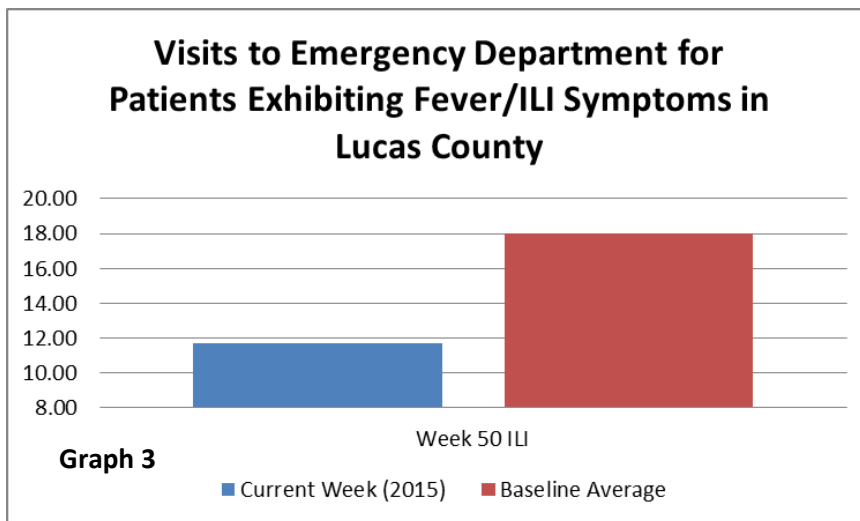
- Lucas County had **1** confirmed Influenza-associated Hospitalization, bringing the total to **9** as of December 19, 2015.
- *Gender Distribution of Cases:* 67% female and 33% male.
- Graph 1 illustrates the current confirmed Influenza-Associated Hospitalizations compared to baseline, which is a five year average.



- Infant: 0-2 years
- Preschool: 3-5 years
- Child: 6-12 years
- Adolescent: 13-17 years
- Adult: 18-64 years
- Over 65 years

Summary of State Data: Current Ohio Activity Level (Geographic Spread) - Sporadic: Small numbers of laboratory-confirmed influenza cases or a single laboratory-confirmed influenza outbreak has been reported, but there is no increase in cases of ILI. During MMWR Week 50, 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 below baseline levels statewide; fever and ILI specified ED visits are also below baseline levels. There were 18 influenza-associated hospitalizations reported.

*The number of emergency department visits with patients exhibiting fever/ILI symptoms was well below the baseline in Lucas County for MMWR week 50. 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)



State Surveillance:

- ODH lab has reported 78 influenza tests from specimens submitted from various submitters. 2015-2016 influenza season results: (2) A/pdmH1N1; (1) A/H3N2; (1) Influenza B; (74) Negative (through 12/19/15).
- The National Respiratory and Enteric Virus Surveillance System (NREVSS) has reported 7,960 influenza tests performed at participating facilities. 2015-2016 influenza season positive results: (1) H1N1, (1) A/H3N2, (14) Flu A Not Subtyped, and (8) Flu B (through 12/19/15).
- No pediatric influenza-associated mortalities have been reported during the 2015-2016 season (through 12/19/15).
- No novel influenza A virus infections have been reported during the 2015-2016 season (through 12/19/15).
- Incidence of confirmed influenza-associated hospitalizations in 2015-2016 season = 157 (through 12/19/15).

Regional Surveillance: During week 49 (December 6th – December 13th, 2015), the proportion of outpatient visits for ILI in Region 5 (Ohio is in Region 5) increased to 1.4%, which is below the regional baseline of 1.9%. Ohio, Michigan, Pennsylvania, Indiana, and West Virginia report Sporadic Activity. Kentucky reports local activity.

Important Flu Information:

CDC has characterized 134 specimens (18 influenza A (H1N1)pdm09, 100 influenza A (H3N2) and 16 influenza B viruses) collected in the U.S. since October 1, 2015.

- All 18 (100%) influenza A (H1N1)pdm09 viruses were antigenically characterized as similar to A/California/7/2009, the influenza A (H1N1) component of the 2015-2016 Northern Hemisphere vaccine.
- All 100 H3N2 viruses were genetically sequenced and all viruses belonged to genetic groups for which a majority of viruses antigenically characterized were similar to A/Switzerland/9715293/2013, the influenza A (H3N2) component of the 2015-2016 Northern Hemisphere vaccine.
- A subset of 53 H3N2 viruses also were antigenically characterized; 52 of 53 (98.1%) H3N2 viruses were similar to A/Switzerland/9715293/2013 by HI testing or neutralization testing.
- All nine (100%) of the B/Yamagata-lineage viruses were antigenically characterized as similar to B/Phuket/3073/2013, which is included in both the 2015–16 Northern Hemisphere trivalent and quadrivalent vaccines.
- All seven (100%) of the B/Victoria-lineage viruses were antigenically characterized as similar to B/Brisbane/60/2008, which is included in the 2015-16 Northern Hemisphere quadrivalent vaccine.

www.cdc.gov

[CIDRAP Flu Scan 12/18](#)

National activity levels and more information can be found at the following CDC pages:

- <http://www.cdc.gov/flu/weekly/usmap.htm>
- <http://www.cdc.gov/flu/>

State and Regional data provided by the Ohio Department of Health

[ODH Seasonal Influenza Activity Summary MMWR 50](#)