

Influenza Surveillance Report for Summit County, 2009-2010
Surveillance Weeks September 13-19 and 20-26
Centers for Disease Control and Prevention (CDC) Weeks 37-38

Influenza Activity in Summit County

- Increased surveillance activities are just beginning. Baselines are still being established.
- Influenza activity appears to be increasing in Summit County.
- There has been an increase in the number of medical practitioners diagnosing influenza-like illness (ILI).
- The number of lab tests being performed and the number of positives decreased slightly.
- From week 37 to 38 there was an increase in the number of students being reported as absent.
- Reports of influenza-like illness at schools are increasing.

Influenza Activity in Ohio

- As of October 2nd, the Ohio Department of Health (ODH) is reporting Ohio's influenza activity as widespread. This refers to the geographic spread and not the severity of illness.
- ODH is only testing hospitalized cases and clusters of influenza-like illness (not including family members) around the state.
- Physicians can test patients for H1N1 but it needs to go through a private laboratory and the patient is responsible for the cost.
- For the last 3 weeks, there has been an increase in confirmed 2009 pandemic A(H1N1) influenza-associated hospitalizations.
- For the 2009-2010 season, there have been 89 influenza-associated hospitalizations and 32 are laboratory confirmed 2009 pandemic A(H1N1).
- For the 6th week, the percentage of emergency departments with patients exhibiting constitutional symptoms has increased.
- In 2009, there have been 3 confirmed 2009 pandemic A(H1N1) deaths.

Influenza Activity in U.S.

- The US 2009-2010 Influenza Season begins October 4, 2009.
- For additional information go to <http://www.cdc.gov/h1n1flu/updates/us/>

CDC Week 37 (September 13 to 19)

- 26 states reported widespread activity; 11 states had regional activity; 12 states, the District of Columbia and Puerto Rico had local influenza activity; and 1 state and Guam reported sporadic activity.
- There were 3 pediatric influenza-associated deaths reported during CDC week 37 and all were associated with 2009 pandemic A(H1N1) virus infection.
- 9,744 specimens were tested and 2,326 (23.9%) were positive for influenza.
- 2,324 (99.9%), were influenza A. Of those positive for Influenza A, 1,395 (60.0%) were 2009 pandemic A(H1N1) and 907 (39.0%) were A (sub-typing not performed).

CDC Week 38 (September 20 to 26)

- 27 states reported widespread activity; 18 states and Guam had regional activity; 2 states, District of Columbia and Puerto Rico had local influenza activity; and 1 state reported sporadic activity.
- There were 11 influenza-associated pediatric deaths and all were associated with 2009 pandemic A(H1N1) virus infection.
- 9,314 specimens were tested and 2,126 (22.8%) were positive for influenza. Of the positive specimens, 2,119 (99.7%) were Influenza A. Out the Influenza A positives, 1,116 (52.7%) were 2009 pandemic A(H1N1).
- Seasonal influenza A(H1), A(H3) and influenza B virus co-circulated at low levels with 2009 pandemic A(H1N1).

Influenza Activity Worldwide

- As of September 20, the World Health Organization reports there has been over 300,000 cases of laboratory confirmed cases of 2009 pandemic A(H1N1) and 3,917 deaths.
- Most countries have stopped reporting individual cases therefore the number of cases is significantly lower than the number of cases that have occurred.
- In temperate regions of the northern hemisphere, influenza-like illness (ILI) activity continues to increase. In Europe, Central and Western Asia are reporting regional increases in ILI.
- In temperate regions of the southern hemisphere, influenza has return to baseline levels.
- For additional information go to: <http://www.who.int/csr/disease/swineflu/en/index.html>

Participants in Summit County Influenza Surveillance

- 33 private schools/public districts (69 individual schools)
- 5 Summit County emergency departments
- 17 medical providers
- 13 laboratories
- 6 nursing homes
- 3 residential institutions
- 3 Summit County health departments- vital records offices
- 1 university health service
- 1 workshop
- 2 pharmacy chains
- Epicenter

Number of influenza or influenza-like diagnoses by medical practitioners, emergency departments, university infirmary, nursing homes, institutions

Total number of absentees (diagnosis not specified) for selected elementary, middle, high schools and workshop

Number of positive influenza cultures and antigen tests from area labs

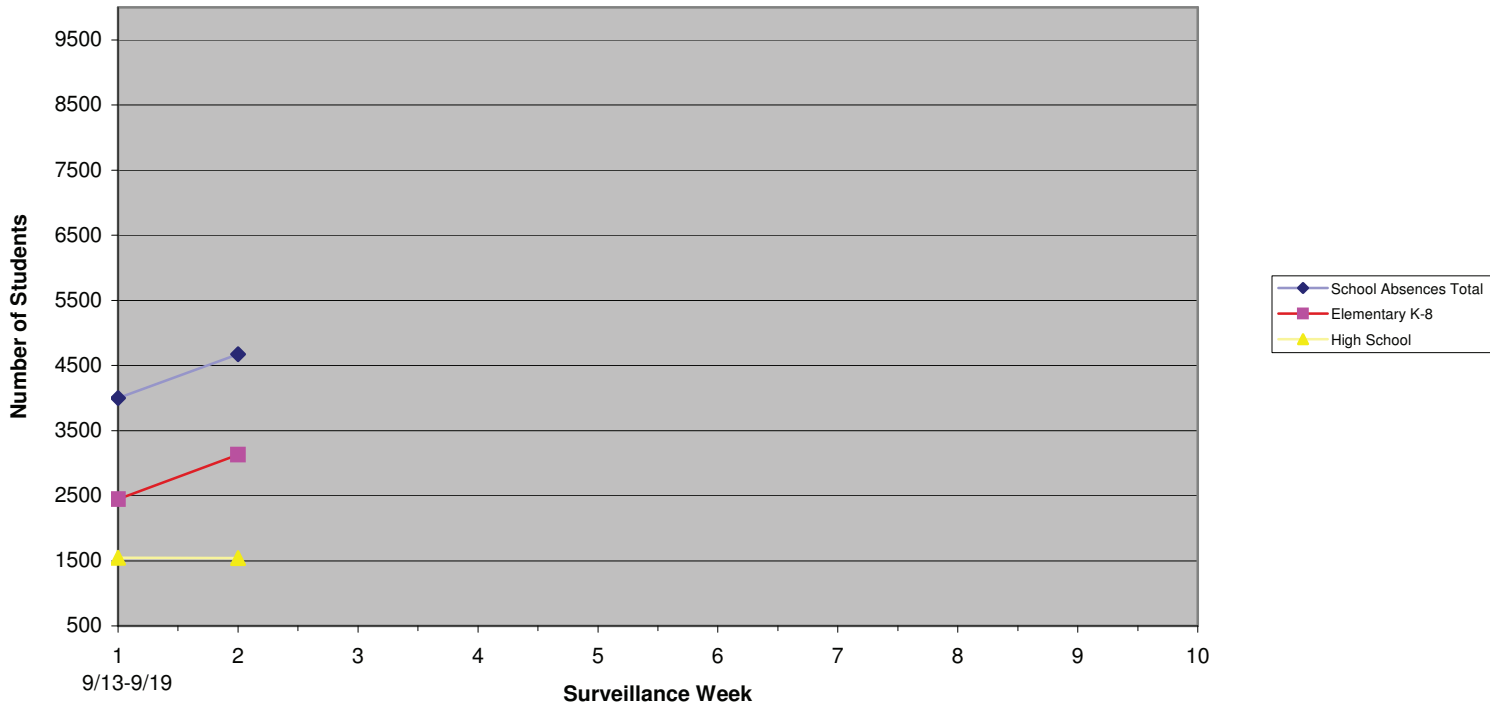
Total number of four influenza antiviral medications sold in pharmacy chains

Number of pneumonia/influenza deaths reported to CDC by the Akron Health Department, Barberton Health Department and Summit County Health District

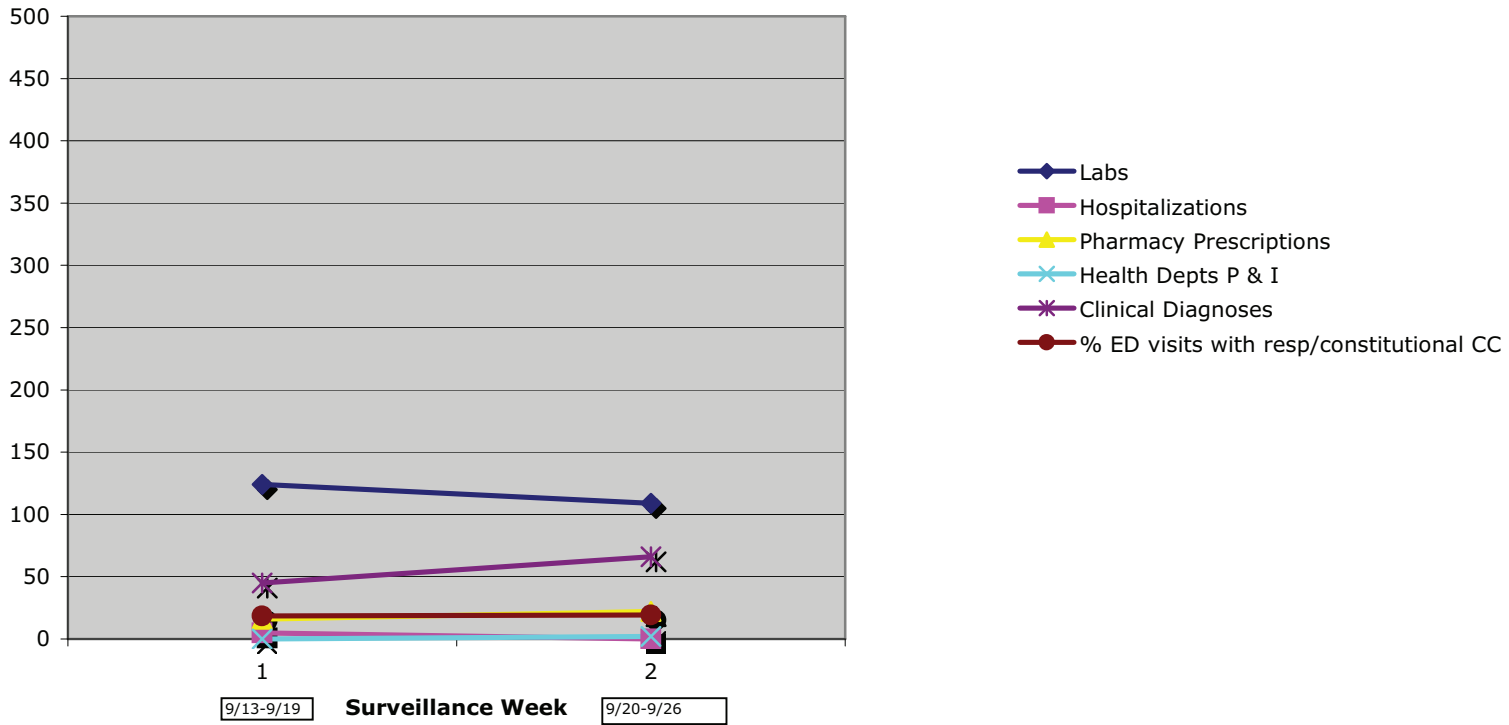
Number of confirmed influenza hospitalizations at Summit County hospitals

The percent of respiratory & constitutional visits per week from two hospitals that electronically report ED visits which are categorized into respiratory or constitutional syndrome based on chief complaint.

School Absences



Summit County Influenza Surveillance Summary



This report was created by the Akron Health Department's Office of Epidemiology, on October 6, 2009. For questions, please contact Courtney Hudson at 330.375.2988 ext. 3122 or Michelle Papp at 330.375.2988 ext. 6717. Reporting from participants may not be complete each week. Numbers may change as updated reports are received.

For information about influenza resources in Summit County, go to www.summitflu.org