

Influenza Surveillance Report for Summit County, 2009-2010
Report #20: Surveillance Week ending February 6, 2010
Centers for Disease Control and Prevention (CDC) Week 5

Influenza Activity in Summit County

- There was not much change in influenza activity in Summit County.
- The EpiCenter average for adult emergency room visits for respiratory and constitutional complaints remained steady at 19.1 % last period to 19.89 % this period.
- The number of people diagnosed with influenza-like illness (ILI) decreased from 63 for last period compared to 48 for this period.
- There were 2 adult hospitalizations for influenza this period and only 1 in the previous period.
- The number of lab tests being performed increased slightly with 14 tests being performed this period and 12 during the previous period. There were no positives.
- The number of school absences reported for this period was 7,340 which was a sharp decrease from the previous period when 12,760 absences were reported. However, less schools reported this period.
- The number of prescriptions of oseltamivir and zanamivir decreased to 1 for this period compared to 6 for the previous period.
- The number of pneumonia-related deaths reported for the week sharply increased to 21 compared to 6 for the previous week.
- No influenza deaths were reported.

Influenza Activity in Ohio (Source: Ohio Department of Health)

- Ohio's influenza activity was again **sporadic**.
- Data sources indicate a stabilization of confirmed influenza-associated hospitalizations.
- Out of the 3,167 specimens tested at the ODH lab during this season, only 2 specimens have been positive for seasonal influenza; one was A (H1) and the other was A (H3). So far, 1,191 specimens have tested positive to 2009 pandemic A (H1N1). For this reporting period, 2 specimens tested positive for 2009 pandemic A (H1N1) influenza.
- For the 2009-2010 season, there have been 3,209 influenza-associated hospitalizations and 1,476 have been laboratory confirmed as 2009 pandemic A (H1N1).
- There have been 10 confirmed influenza-associated pediatric mortalities for the 2009-2010 season of which 7 were confirmed 2009 pandemic A (H1N1). This includes one pediatric death in Summit County.
- Year-to-date there have been 51 confirmed 2009 pandemic A (H1N1) influenza-related deaths among hospitalized patients.

Influenza Activity in U.S. (Source: Centers for Disease Control and Prevention)

- No states reported **widespread** activity; 6 states had **regional** activity; 11 states and Puerto Rico reported **local** activity; 28 states, the District of Columbia and Guam reported **sporadic** activity, 4 states and the U.S. Virgin Islands reported **no** activity and 1 state **did not** report.
- Influenza activity remained at about the same levels as the previous week.
- Three influenza-associated pediatric deaths were reported. These deaths occurred between November 22, 2009 and January 16, 2010. The 2009 pandemic A (H1N1) virus was associated with 2 of the deaths and 1 was associated with influenza A virus for which the subtype was undetermined. Since April 26, 2009, there have been a total of 274 deaths in children associated with the 2009 pandemic A (H1N1) virus.
- The proportion of deaths attributed to influenza and pneumonia was below the epidemic threshold as reported to the 122-Cities Mortality Reporting System. (7.3% compared to the national threshold of 7.8%)
- Since August 30, 2009, there have been 40,030 laboratory-confirmed influenza associated hospitalizations and 1,937 laboratory-confirmed deaths.

- For outpatient visits reported through U.S. Outpatient Influenza-like Illness Surveillance Network (ILINet), 2.1% were due to influenza-like illness which was slightly below the expected baseline of 2.3 percent.
- 4,304 specimens were tested and 206 (4.8%) were positive for influenza and 4,098 (95.2%) were negative for influenza.
- There were 204 influenza A positives of which 144 (70.6 %) were 2009 pandemic A (H1N1) and 60 (29.4 %) subtyping was not performed. Two (1.0%) were positive for influenza B.
- Influenza B virus co-circulated at low levels with 2009 pandemic A (H1N1) virus.
- Majority of 2009 pandemic A (H1N1) viruses remain susceptible to oseltamivir but rare sporadic cases of oseltamivir resistant 2009 pandemic A (H1N1) viruses have been detected. All viruses tested remained sensitive to zanamivir.
- For additional information go to <http://www.cdc.gov/flu/weekly/fluactivity.htm>

Influenza Activity Worldwide (Source: World Health Organization- WHO)

- There have been 15,292 deaths reported.
- The 2009 pandemic A (H1N1) virus continues to be the predominant type of influenza circulating worldwide. However, an increasing proportion of seasonal influenza type B has been detected in China and low levels of seasonal H3N2 and type B viruses are circulating in parts of Africa, East and Southeast Asia.
- The most active areas of pandemic influenza transmissions continue to be in the later peaking areas. This includes North Africa, South Asia and East Asia.
- In North Africa, pandemic influenza transmission persists but substantial declines in activity have been seen.
- In Sub-Saharan Africa, limited data suggests that pandemic influenza virus transmission may be localized and overall intensity remains low.
- In South and Southeast Asia, the pandemic influenza virus continues to circulate widely across the region but overall activity has decreased or remained low.
- In East Asia, transmission of pandemic influenza persists and overall activity has declined.
- In Europe, pandemic influenza continues to circulate widely and overall intensity has declined.
- In Central America and the Caribbean, pandemic influenza activity still persists but overall activity remained low in most places.
- Sporadic cases of pandemic influenza continue to be reported in the temperate region of the southern hemisphere without evidence of sustained community transmission.
- For additional information go to: <http://www.who.int/csr/disease/swineflu/en/index.html>

Participants in Summit County Influenza Surveillance

17 medical providers	1 university health service	13 laboratories
1 workshop	6 nursing homes	EpiCenter
4 pharmacy chains	3 residential institutions	5 emergency departments
3 health departments- vital records offices	31 private/public/charter schools and 7 districts (121 school buildings)	

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

Total number of absentees (diagnosis not specified) for selected 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.

This report was created by the Akron Health Department's Office of Epidemiology, on February 12, 2010. For questions, please contact Courtney Hudson at 330.375.2988 ext. 3122. Reporting from participants may not be complete each week. Numbers may change as updated reports are received.

