

**Influenza Surveillance Report for Summit County, 2009-2010**  
**Report #13: Surveillance Week December 13 to December 19**  
**Centers for Disease Control and Prevention (CDC) Week 50**

**Influenza Activity in Summit County**

- Influenza activity increased slightly in Summit County.
- The EpiCenter average for adult emergency room visits for respiratory and constitutional complaints decreased slightly going from 20.55% last period to 19.18 % this period.
- The number of people diagnosed with influenza-like illness (ILI) increased. Last period there were 67 diagnoses compared to 98 for this period.
- The number of adult hospitalizations for influenza increased going from 8 last period to 11 this period.
- The number of lab tests being performed increased. This period 60 tests were administered and 2 (3.3%) were positive for influenza A compared to last period when no tests were positive for influenza A out of the 41 tests administered.
- The number of absences reported by schools decreased by almost 3,000 this period.
- The number of prescriptions of oseltamivir and zanamivir decreased to 23 for this period compared to 27 for the last reporting period.
- The number of pneumonia-related deaths decreased to 12 this period compared to 19 in the previous period.
- No influenza deaths were reported.
- For the first time local health departments held H1N1 vaccine clinics for the general public.

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

- Ohio's influenza activity was downgraded again to **sporadic**. This refers to the geographic spread and not the severity of illness.
- The Ohio Department of Health lifted the requirement that H1N1 vaccine only be given to those in the CDC identified tier 1 priority group.
- Out of the 3,011 specimens tested at the ODH lab during this season, still only 2 specimens have been positive for seasonal influenza; one was A (H1) and the other was A (H3). For this reporting period no additional specimens have tested positive for 2009 pandemic A (H1N1). The number of positive specimens remains at 1,185 (39.4%) out of 3,011 specimens.
- For the 2009-2010 season, there have been 3,097 influenza-associated hospitalizations and 1,436 were laboratory confirmed 2009 pandemic A (H1N1).
- There have been 8 confirmed influenza-associated pediatric mortality reports for the 2009-2010 season of which 5 were confirmed 2009 pandemic A (H1N1).
- Year-to-date there have been 47 confirmed 2009 pandemic A (H1N1) influenza-related deaths.

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

- Seven states reported **widespread** activity; 18 states, District of Columbia, and Puerto Rico had **regional** activity; 13 states reported **local** activity; 11 states and U.S. Virgin Islands reported **sporadic** activity and 1 state and Guam reported no activity.
- Influenza activity continued to decrease.
- Nine influenza-associated pediatric deaths were reported during the week. These deaths occurred between October 11 and December 12, 2009. The 2009 pandemic A (H1N1) virus infection was associated with 8 of the deaths and 1 was associated with influenza A virus for which the subtype was undetermined. Since April 26, 2009, the CDC reports there has been a total of 241 deaths in children associated with 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. (7.2% compared to the national threshold of 7.3%)

- Since August 30, there have been 36,163 laboratory-confirmed influenza associated hospitalizations and 1,630 laboratory-confirmed deaths.
- For outpatient visits reported through U.S. Outpatient Influenza-like Illness Surveillance Network (ILINet), 2.3% were due to influenza-like illness which was also the expected baseline.
- Three out of the 10 regions reported the proportion of outpatient visits for ILI was above their region-specific baseline levels.
- 4,440 specimens were tested and 306 (6.9%) were positive and 4,134 (93.1%) were negative for influenza. Of the positive specimens, 303 (99.0%) were influenza A and 3 (1.0%) were influenza B.
- Out of the influenza A positives, 233 (76.9 %) were 2009 pandemic A (H1N1); 66 (21.8 %) subtyping was not performed; and 4 (1.3%) were unable to be subtyped.
- Influenza B co-circulated at low levels with 2009 pandemic A (H1N1).
- The majority of 2009 pandemic A (H1N1) viruses remain susceptible to the neuraminidase inhibitor antiviral medication 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 11,516 deaths reported.
- Pandemic influenza activity in the temperate zone of North America remains active and geographically widespread. It appears disease activity has peaked in much of the hemisphere.
- Across continental Europe, geographically widespread and active transmission of pandemic influenza virus continued. However, pandemic influenza activity appears to have peaked.
- Influenza transmission remains active in much of Western and Central Asia but disease trends remain variable.
- While influenza activity remains active in East Asia, it appears to be declining.
- In the tropical region of Central and South America and the Caribbean, influenza activity remains widespread but disease activity appears to be either declining or remaining unchanged.
- Sporadic cases of pandemic influenza continue to be reported in the temperate region of the southern hemisphere. However there is no 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 schools 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 December 28, 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.

