

Influenza Surveillance Report for Summit County, 2009-2010
Report #7: Surveillance Week November 1 to November 7
Centers for Disease Control and Prevention (CDC) Week 44

Influenza Activity in Summit County

- Influenza activity declined again this week in Summit County.
- The EpiCenter average for adult emergency room visits for respiratory and constitutional complaints remained steady 29.42% last period compared to 29.69% this period.
- The number of people diagnosed with influenza-like illness (ILI) continued to decrease. Last period there were 651 compared to 407 for this period.
- The number of hospitalizations for influenza decreased from 65 last period to 44 this period.
- The number of lab tests being performed decreased. This period 161 tests were administered and 42 (26%) were positive for influenza A compared to last period when 111 (42.8%) tests were positive for influenza A and 1 (0.3%) test was positive for influenza B out of the 259 tests administered.
- The number of absences reported by schools continued to decrease. However, not all districts reported.
- The number of prescriptions of oseltamivir and zanamivir decreased from 341 the previous period to 250 this reporting period.
- The number of pneumonia-related deaths decreased to 9 this period compared to 12 last period.
- Local health departments have begun administering vaccine for those in the CDC identified target groups. For a listing of local H1N1 vaccine clinics, go to www.summitflu.org.

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

- Ohio's influenza activity continues to be **widespread**. This refers to the geographic spread and not the severity of illness.
- Out of the 1,633 specimens tested at the ODH lab during this season, only 1 specimen has been positive for seasonal influenza (influenza A/H1).
- For the 2009-2010 season, there have been 2,112 influenza-associated hospitalizations and 925 were laboratory confirmed 2009 pandemic A (H1N1).
- There have been 6 confirmed influenza-associated pediatric mortality reports for the 2009-2010 season of which 3 had confirmed 2009 pandemic A (H1N1).
- Year-to-date there have been 26 confirmed 2009 pandemic A (H1N1) influenza-related deaths.

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

- 46 states reported **widespread** activity; 4 states and Puerto Rico had **regional** activity; District of Columbia had **local** activity; and Guam reported **sporadic** activity.
- All regions again reported elevated levels of out-patients reporting ILI.
- 35 influenza-associated pediatric deaths were reported during the week. These deaths occurred between March 15 and November 7, 2009. The 2009 pandemic A (H1N1) virus infection was associated with 26 of the deaths, 8 were associated with influenza A virus for which the subtype was not determined and 1 was associated with influenza B. Since April 26, 2009, the CDC reports there has been a total of 156 deaths in children associated with the 2009 pandemic A (H1N1).
- The proportion of deaths attributed to influenza and pneumonia was above the epidemic threshold as reported to the 122-Cities Mortality Reporting System for the sixth week. (7.7% compared to the national threshold of 6.8%)
- Since August 30, there have been 22,364 laboratory-confirmed influenza associated hospitalizations and 877 laboratory-confirmed deaths.
- 6.7 % of outpatient visits reported through the U.S. Outpatient Influenza-like Illness Surveillance Network (ILINet) were due to influenza-like illness compared to the national baseline of 2.3 %.

- All 10 regions reported the proportion of outpatient visits for ILI were above their region-specific baseline levels. The percentage ranged from 4.2% to 8.8% and decreased in 9 out of 10 regions from the previous week.
- 14,151 specimens were tested and 3,834 (27.1%) were positive and 10,317 (72.9%) were negative for influenza. Of the positive specimens, 3,815 (99.5%) were influenza A.
- Out of the influenza A positives, 2,830 (74.2%) were 2009 pandemic A (H1N1); 971 (25.5 %) subtyping was not preformed; 14 (0.4%) were unable to be subtyped; and 19 were influenza B (0.5%).
- Influenza B co-circulated at low levels with 2009 pandemic A (H1N1)
- The majority of 2009 A (H1N1) viruses are susceptible to neuraminidase inhibitor antiviral medication oseltamivir but rare sporadic cases of oseltamivir resistant 2009 influenza A (H1N1) have been detected. All viruses tested remained sensitive to zanamivir.
- For additional information go to <http://www.cdc.gov/h1n1flu/updates/us/>

Influenza Activity Worldwide (Source: World Health Organization)

- Over 503,000 laboratory confirmed cases of 2009 pandemic A (H1N1) and 6,250 deaths have been reported.
- In the Northern Hemisphere, the winter influenza season which began unusually early is beginning to show signs of peaking in parts of North America but is intensifying across much of Europe and Central and Eastern Asia.
- Canada reported increases in ILI, detections of pandemic A (H1N1) virus and school outbreaks. Influenza activity is spreading west to east.
- In Europe, over 99% of subtyped influenza A viruses were pandemic A (H1N1) except in the Russian Federation where <10% of viruses subtyped were seasonal influenza H3N2 and H1N1.
- In Western Asia, increasing activity has been observed in several countries.
- Active, predominantly pandemic A (H1N1) influenza transmission persists in the Caribbean region but some countries in this region are reporting declining rates of acute respiratory infections.
- Countries in the tropical region of Central and South America report declining influenza activity.
- 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

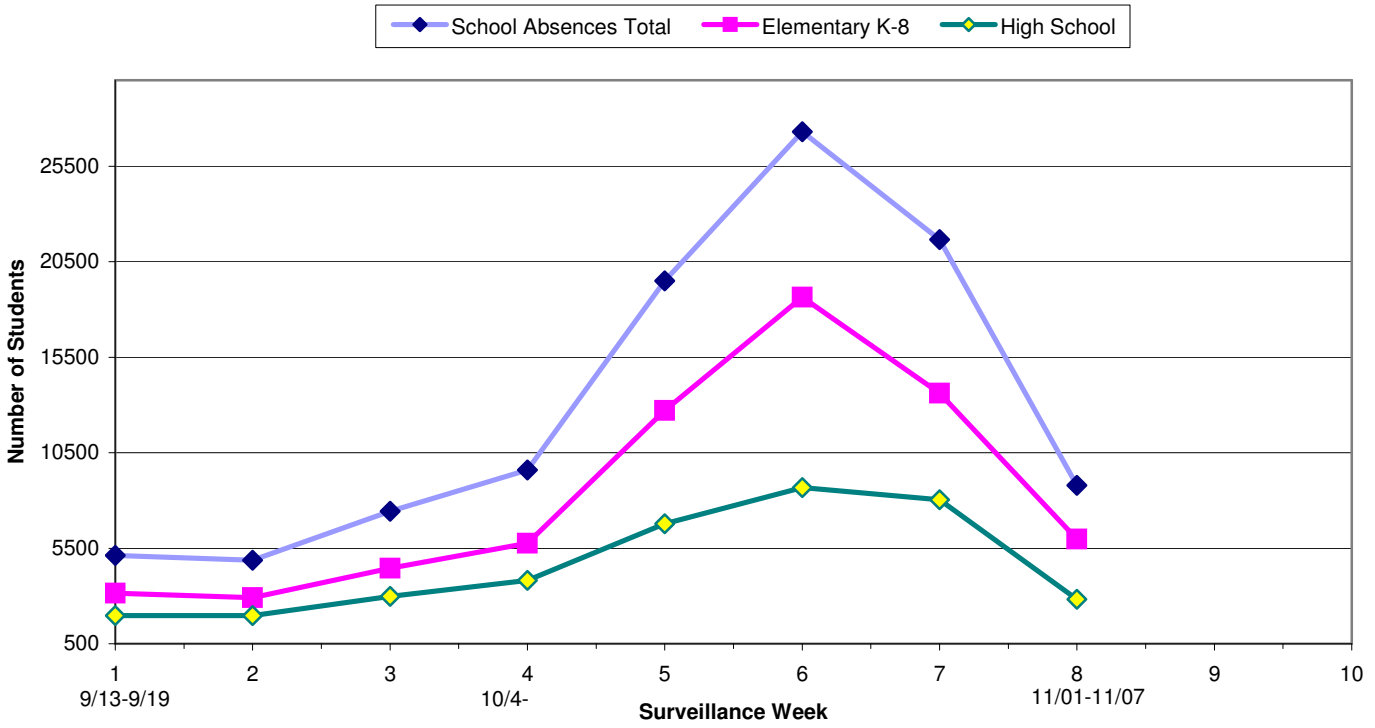
Number of pneumonia/influenza deaths reported to CDC by the Akron Health Department, Barberton Health Department and Summit County Health District

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 November 16, 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.

School Absences



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