

Influenza Surveillance Report for Summit County, 2009-2010
Report #15: Surveillance Week ending January 2, 2010
Centers for Disease Control and Prevention (CDC) Week 52

Influenza Activity in Summit County

- Influenza activity decreased slightly in Summit County.
- The EpiCenter average for adult emergency room visits for respiratory and constitutional complaints increased very slightly going from 19.70% last period to 21.71 % this period.
- The number of people diagnosed with influenza-like illness (ILI) decreased. Last period there were 62 diagnoses compared to 50 for this period.
- There were 5 adult hospitalizations for influenza again this period.
- The number of lab tests being performed increased. This period 44 tests were administered and none were positive for influenza compared to last period when 2 (11.1%) tests were positive for influenza B out of the 18 tests administered.
- School absences were not reported due to the students being on holiday break.
- There were no prescriptions of oseltamivir and zanamivir filled this week.
- The number of pneumonia-related deaths decreased to 9 this period compared to 10 in the previous period.
- No influenza deaths were reported.

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

- Ohio's influenza activity was again **sporadic**. The number of those newly infected with influenza is decreasing and surveillance data indicates that the intensity of activity is declining.
- Out of the 3,045 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 (38.9%) out of 3,045 specimens.
- For the 2009-2010 season, there have been 3,128 influenza-associated hospitalizations and 1,450 were laboratory confirmed 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 50 confirmed 2009 pandemic A (H1N1) influenza-related deaths.

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

- One state reported **widespread** activity; 12 states had **regional** activity; 17 states, District of Columbia and Puerto Rico reported **local** activity; 19 states, US Virgin Islands, and Guam reported **sporadic** activity and 1 state reported no activity.
- Influenza activity continued to decrease.
- Four influenza-associated pediatric deaths were reported during the week. These deaths occurred between September 13 and December 19, 2009. The 2009 pandemic A (H1N1) virus infection was associated with all 4 of the deaths. Since April 26, 2009, the CDC reports there has been a total of 248 deaths in children associated with 2009 pandemic A (H1N1) virus.
- The proportion of deaths attributed to influenza and pneumonia was slightly below the epidemic threshold as reported to the 122-Cities Mortality Reporting System. (7.4% compared to the national threshold of 7.5%)
- Since August 30, there have been 37,778 laboratory-confirmed influenza associated hospitalizations and 1,735 laboratory-confirmed deaths.

- For outpatient visits reported through U.S. Outpatient Influenza-like Illness Surveillance Network (ILINet), 2.4% were due to influenza-like illness which was slightly above the expected baseline of 2.3 %.
- Four out of the 10 regions reported the proportion of outpatient visits for ILI were above their region-specific baseline levels.
- 4,180 specimens were tested and 161 (3.9%) were positive for influenza and 4,019 (96.1%) were negative for influenza.
- There were 157 influenza A positives of which 92 (58.6 %) were 2009 pandemic A (H1N1), 63 (40.1 %) subtyping was not performed, 2 (1.3%) were unable to be subtyped and 4 (2.5%) were influenza B.
- 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 12,799 deaths reported.
- The most active areas of pandemic influenza transmissions are in Central, Eastern and Southeastern Europe, North Africa and South Asia.
- In Western and Northern Europe rates of ILI have returned to near seasonal baseline levels. In Western Europe sporadic cases of H3N2 have been identified.
- In the Americas overall pandemic activity continued to decline or remain low.
- In Central Asia rates of ILI are declining.
- Influenza transmission remains widespread in much of Eastern Asia but it appears to be declining.
- In South Asia influenza activity remains geographically widespread and active across the subcontinent.
- Sporadic cases of pandemic influenza continue to be reported in the temperate region of the southern hemisphere. However there is still no evidence of sustained community transmission.
- For additional information go to: <http://www.who.int/csr/disease/swineflu/en/index.html>

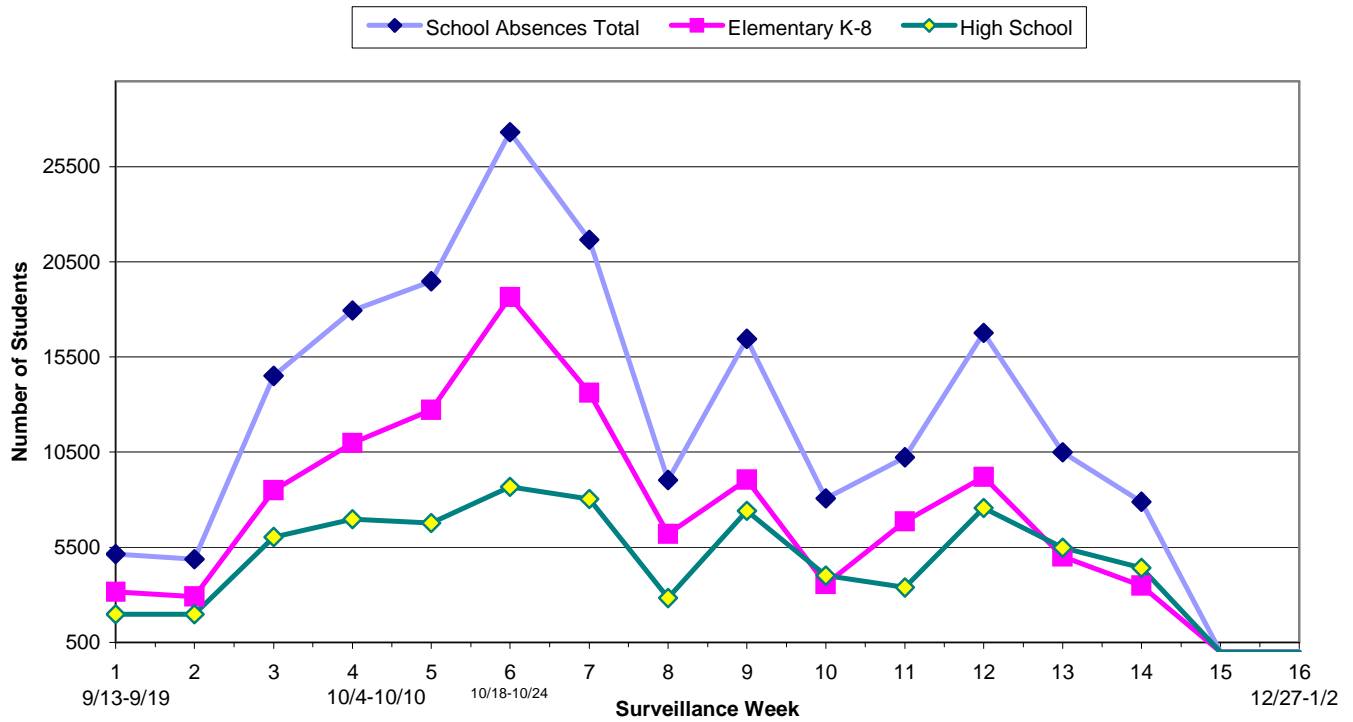
Participants in Summit County Influenza Surveillance

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 January 11, 2010. 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 2009-2010



Summit County Influenza Surveillance 2009-2010

