

Influenza Surveillance Report for Summit County, 2009-2010
Report #22: Surveillance Week ending February 20, 2010
Centers for Disease Control and Prevention (CDC) Week 7

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 fairly steady at 19.51 % this period and 20.22 % last period
- The number of people diagnosed with influenza-like illness (ILI) decreased to 43 compared to 66 for the previous period.
- There were no adult hospitalizations for influenza in the last two reporting periods.
- The number of lab tests being performed increased slightly with 22 tests being performed this period compared to 18 tests during the previous period. There were no positives.
- The number of school absences reported for this period was 8,153 which was a decrease from the previous period when 11,057 absences were reported. Some schools reported a shorter school week.
- The number of prescriptions of oseltamivir and zanamivir increased to 4 for this period compared to 3 prescriptions in the previous period.
- The number of pneumonia-related deaths reported for the week decreased to 11 compared to 21 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 both a decrease in the number of confirmed influenza-associated hospitalizations and in the levels of influenza-like illness in outpatient settings.
- Out of the 3,199 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). This period 1 specimen tested positive for the 2009 pandemic A (H1N1) which brings the season to 1,192 specimens
- For the 2009-2010 season, there have been 3,216 influenza-associated hospitalizations and 1,479 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; 3 states had **regional** activity; 8 states and Puerto Rico reported **local** activity; 35 states, District of Columbia, and Guam reported **sporadic** activity, and 4 states and the U.S. Virgin Islands reported **no** activity.
- Influenza activity remained at about the same levels as the previous week.
- Three influenza-associated pediatric deaths were reported. These deaths occurred between December 6, 2009 and February 20, 2010. The 2009 pandemic A (H1N1) virus was associated with one death and 2 deaths were associated with influenza A virus for which the subtype was undetermined. Since April 26, 2009, there have been a total of 278 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. (7.4% compared to the threshold of 7.9%)
- Since August 30, 2009, there have been 40,618 laboratory-confirmed influenza associated hospitalizations and 1,994 laboratory-confirmed deaths.
- For outpatient visits reported through U.S. Outpatient Influenza-like Illness Surveillance Network (ILINet), 1.8% was due to influenza-like illness which was below the expected baseline of 2.3 percent.

- 4,209 specimens were tested and 185 (4.4%) were positive for influenza and 4,024 (95.6%) were negative for influenza.
- There were 181 influenza A positives of which 116 (64.1 %) were 2009 pandemic A (H1N1) and 65 (35.9 %) subtyping was not performed. Four (2.2%) 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 16,226 deaths reported. This was an increase of 305 from the previous week.
- The situation remains at about the same level as the previous week. The most active areas of virus transmission are in parts of South and Southeast Asia and in limited areas of East and Southeastern Europe.
- 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 and Asia.
- In North Africa and West Asia, the pandemic influenza virus continues to circulate at low levels.
- In Sub-Saharan Africa, pandemic influenza virus activity levels have been sporadic.
- In Southeast Asia, pandemic influenza virus continued to circulate but overall intensity remained low. Several countries reported an increasing trend of respiratory diseases activity
- In Europe, pandemic influenza continues to circulate throughout the central and southeastern parts and overall activity remained low. Some countries reported an increase in respiratory diseases activity.
- In Central America and the Caribbean, pandemic influenza activity still persists but overall activity remained low or unchanged in most places.
- In the tropical and northern temperate zones of the Americas, the pandemic influenza virus continued to circulate at low levels and overall pandemic activity declined.
- 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>

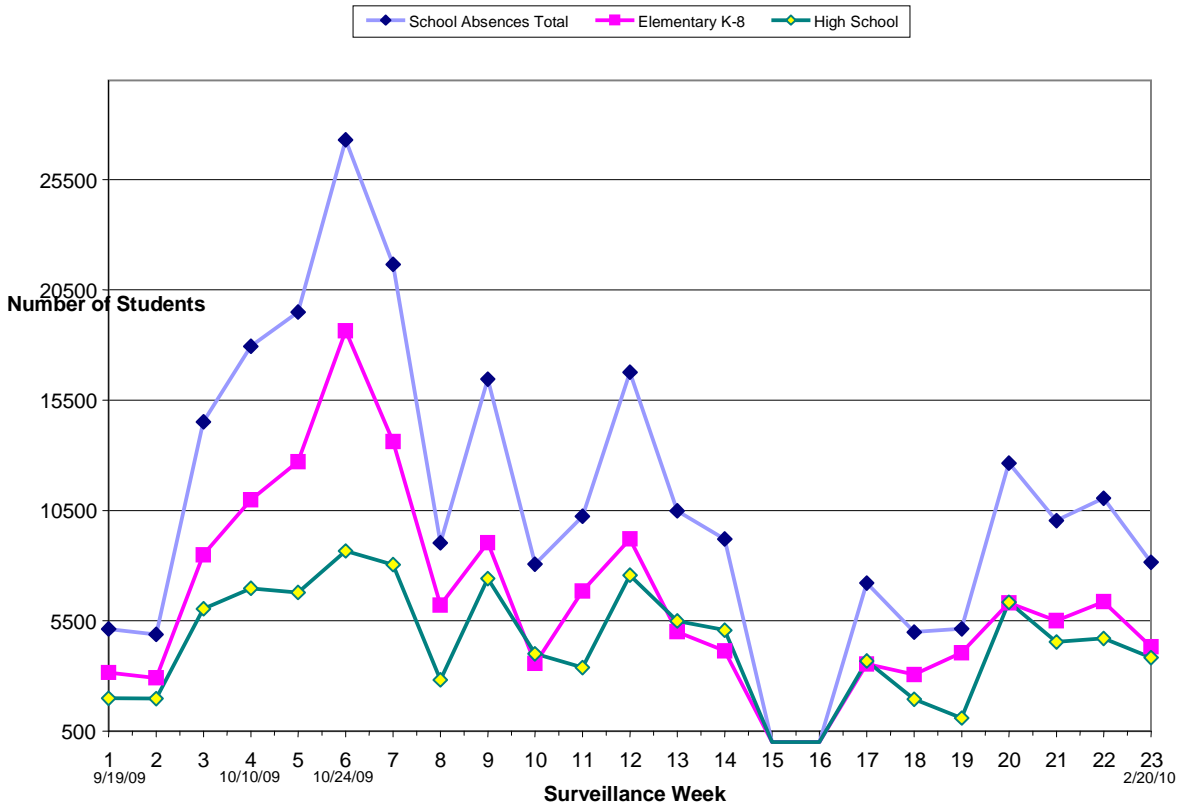
Participants in Summit County Influenza Surveillance

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 March 1, 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.

School Absences 2009-2010



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