



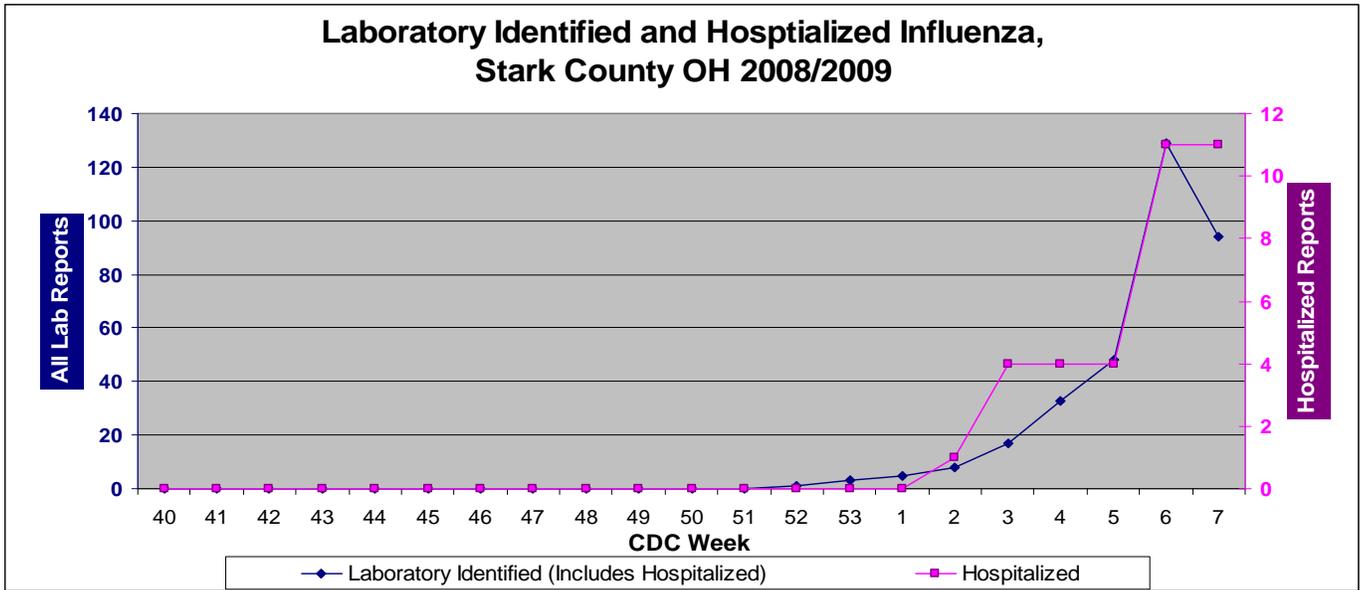
## STARK COUNTY INFLUENZA SNAPSHOT, WEEK 07

Week ending 21 February, 2009. With updates through 03/01/2009.

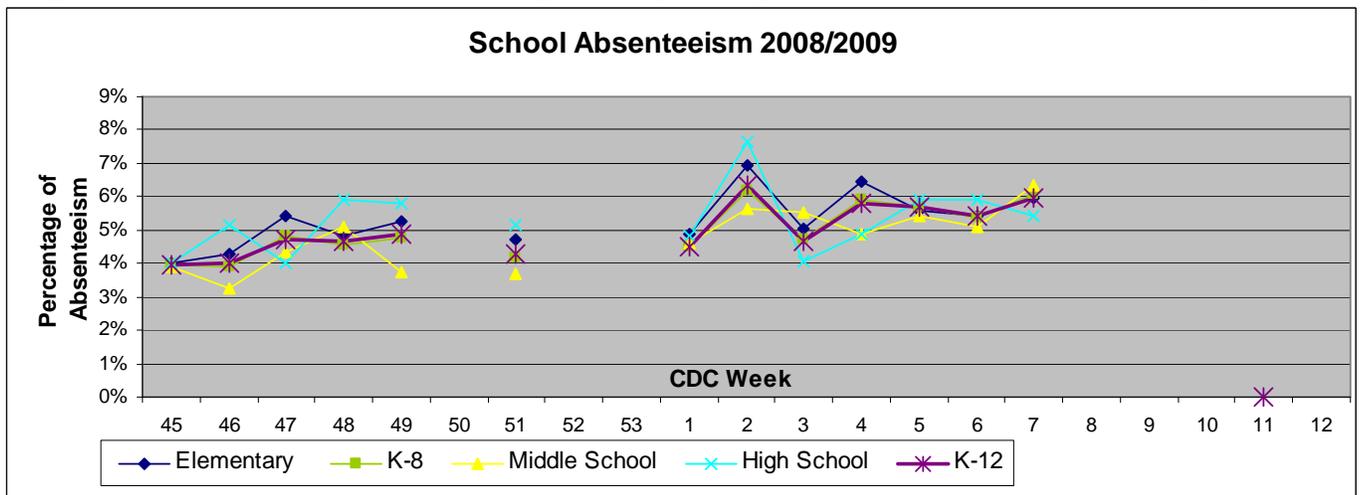
During week 07, Stark County indicators confirmed steady and declining indicators of influenza activity.

- During week 7 the four Public Health Departments in Stark County received 94 (down from 129 in week 6) Influenza reports: **11 Influenza-Associated Hospitalization and 83 laboratory confirmed non hospitalized.** (See Graph1- NOTE: A change in the graph, there are two axis, one for the hospitalized on the right and one for all lab confirmed on the left.)
- Year-To-date reports indicate **76 Type B** and **300 Type A.** Note: Type B accounted for greater than **34% of** all reports received and only 18% of the hospitalizations. To date the Type B strain identified in Ohio is **NOT a match** to this year's vaccine and in week 7
- Year-to-date, 376 medically identified cases have been reported in Stark County. Of those reported with age information, the age range is 1 month to 80 years with a steady mean of 26 years and a median of 22 years. The rate within 4 age categories indicates, 0-4 year olds are most likely to be laboratory confirmed 13/10,000 and are most often hospitalized 3/10,000.
- School Absenteeism saw little change during week 7. (See Graph2)
- Nationally Sentinel Providers reported **decreasing activity.** Locally the decrease is again possibly due to missing data, as only two providers completed their weekly report.(See Graph3)
- Real-Time Outbreak and Disease Surveillance (RODS) data reflected an **increase** (8.6%) in sales of Cough/Cold products. (See Graph4)
- The percentage of Emergency Department visits classified as Respiratory **increased** to 17.87% from 16.53% the previous week. Respiratory visits currently account for the largest percentage of visits to area emergency departments and these departments saw their highest level of total patient visits during week 7 than in any other time period recorded in the HMS data system. (See Graph 5 and 6)
- **Widespread** Influenza activity is being reported in 27 (up from 24 last week) states, including Ohio, Regional activity was reported by 17 states, Local activity by 6 and none reported Sporadic activity. (See Map)
- National Pneumonia and Influenza (P & I) Mortality Surveillance reported an **increase** to 7.4% of all deaths reported through the 122 Cities Mortality Reporting System as due to P & I. This is below the National threshold of 8.0%. Nationally, a total of **17 Influenza-Associated Pediatric deaths** have occurred this influenza season, none in Ohio. Note: bacterial coinfections were confirmed in 10 (58.8) of the 17 children.
- National Antiviral Resistance: Testing was completed with isolates from 35 states-To date, **all influenza A (H3N2)** viruses tested are **resistant to the adamantanes** and all oseltamivir-resistant influenza **A (H1N1)** viruses tested are **sensitive to the adamantanes.** CDC encourages physicians to incorporate information on circulating strains within their area to help determine the appropriate course of treatment. Currently the Ohio Department of Health Laboratory reported 68 positive confirmed isolates (total through 2/24/09). Circulating Strains: (49) Influenza A/ (H1N1), (19) Influenza B/Malaysia-like; 13 and 6 respectively from Stark County
- Composition of the 2009-2010 Influenza Vaccine: Both the WHO and the FDA recommend that the vaccine contain A/Brisbane/59/2007-like (H1N1), A/Brisbane/10/2007-like (H3N2), and B/Brisbane/60/2008-like (B/Victoria lineage) viruses. Only the influenza B component has been changed from the 2008-09 vaccine formulation.

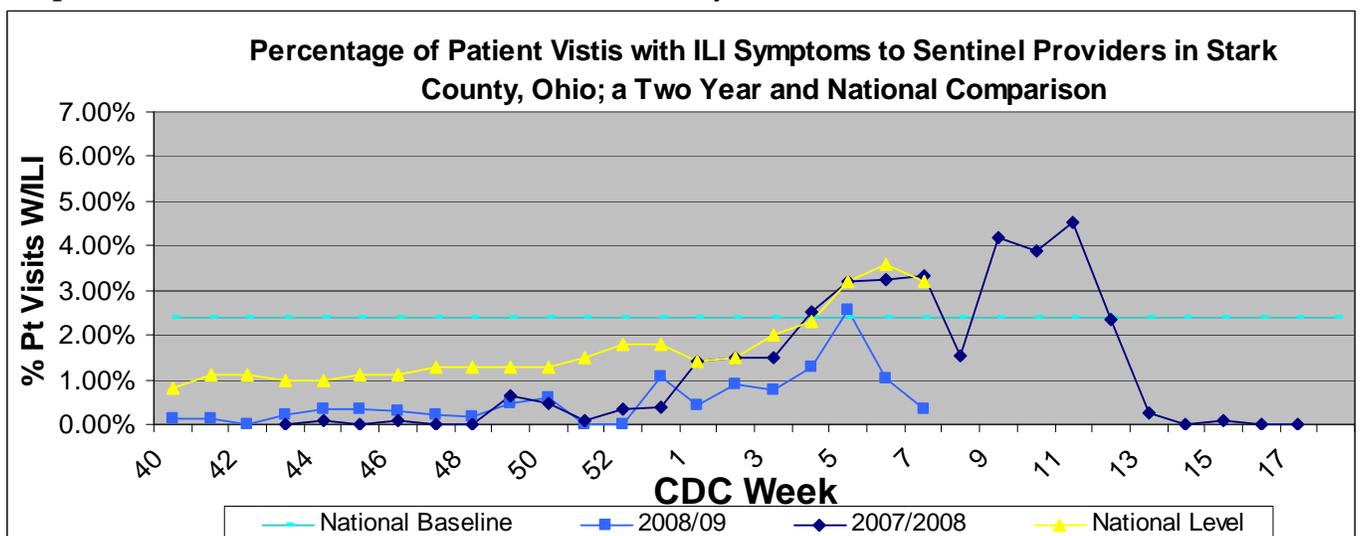
**Graph 1:** Number of Influenza-Associated Hospitalizations and medically identified cases of Influenza (cases reported from a medical provider or laboratory; established with a minimum of rapid test confirmation).



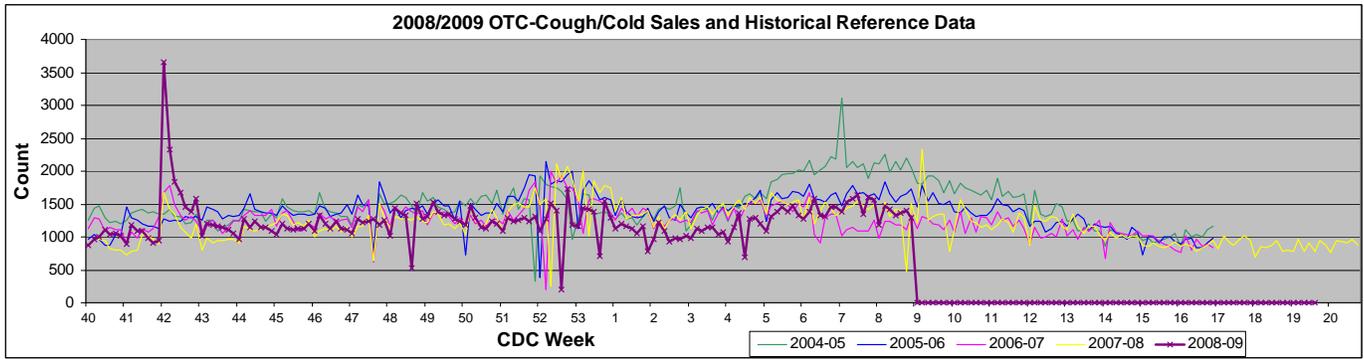
**Graph 2:** School Absenteeism. (School reports are primarily from the Alliance and Canton city areas.)



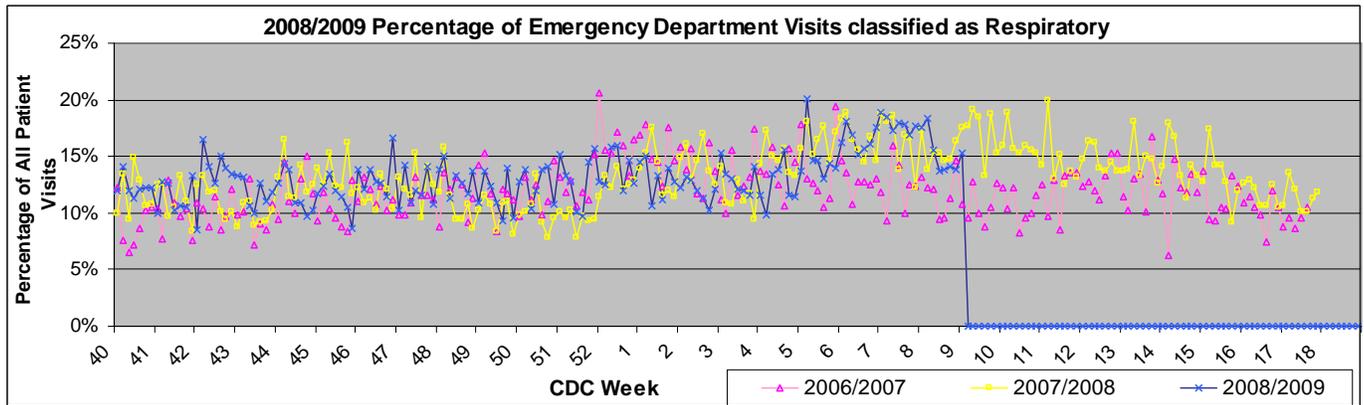
**Graph 3:** Sentinel Provider visits for ILI in Stark County Ohio and the Nation.



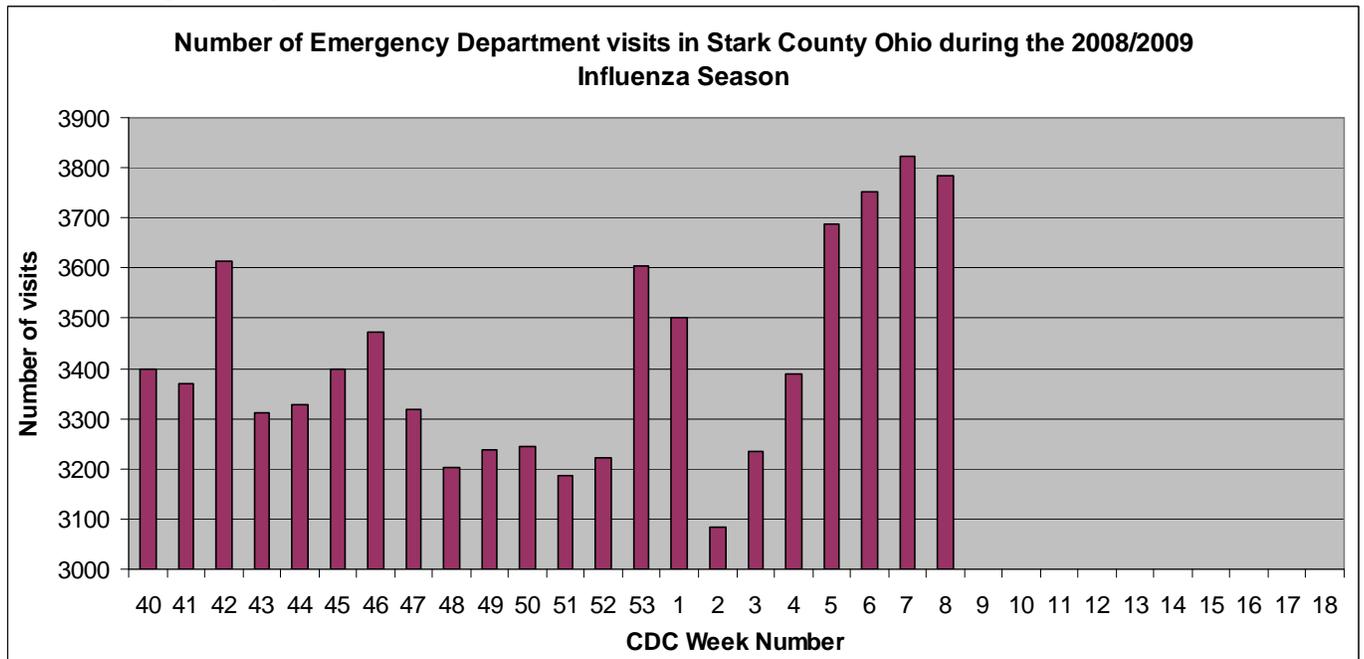
**Graph 4** Sales of Over-The-Counter Cough and Cold Medications, as reported by RODS.



**Graph 5** Percentage of Emergency Department Visits classified as Respiratory, as reported by HMS



**Graph 6** Number of Emergency Department visits in Stark County Ohio during the 2008/2009 Influenza Season, as reported by HMS



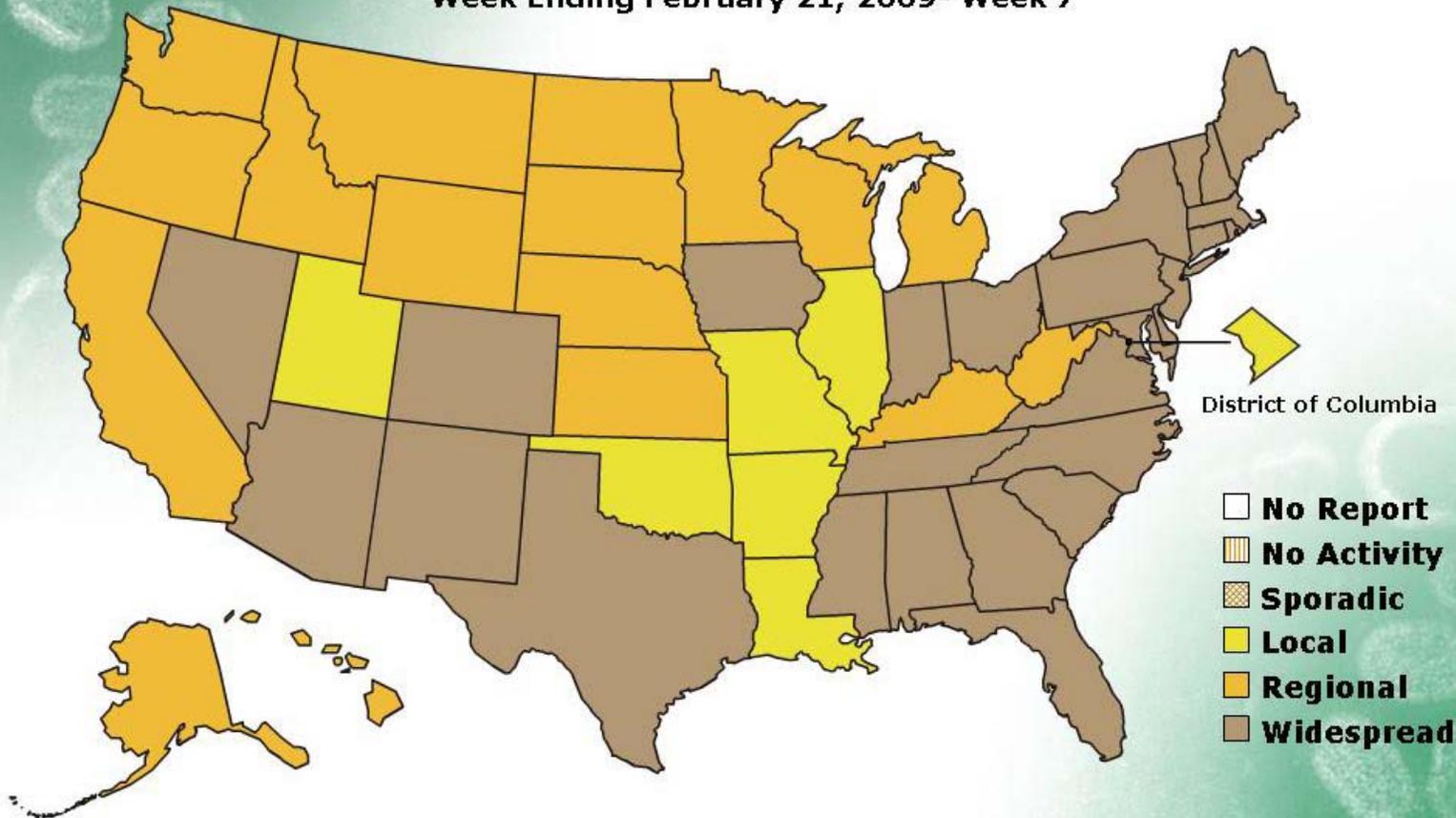
Map: National Influenza Activity. Source [www.cdc.gov/flu/weekly](http://www.cdc.gov/flu/weekly)

# FLUVIEW



**A Weekly Influenza Surveillance Report Prepared by the Influenza Division**  
**Weekly Influenza Activity Estimates Reported by State and Territorial Epidemiologists\***

**Week Ending February 21, 2009- Week 7**



\*This map indicates geographic spread and does not measure the severity of influenza activity.