



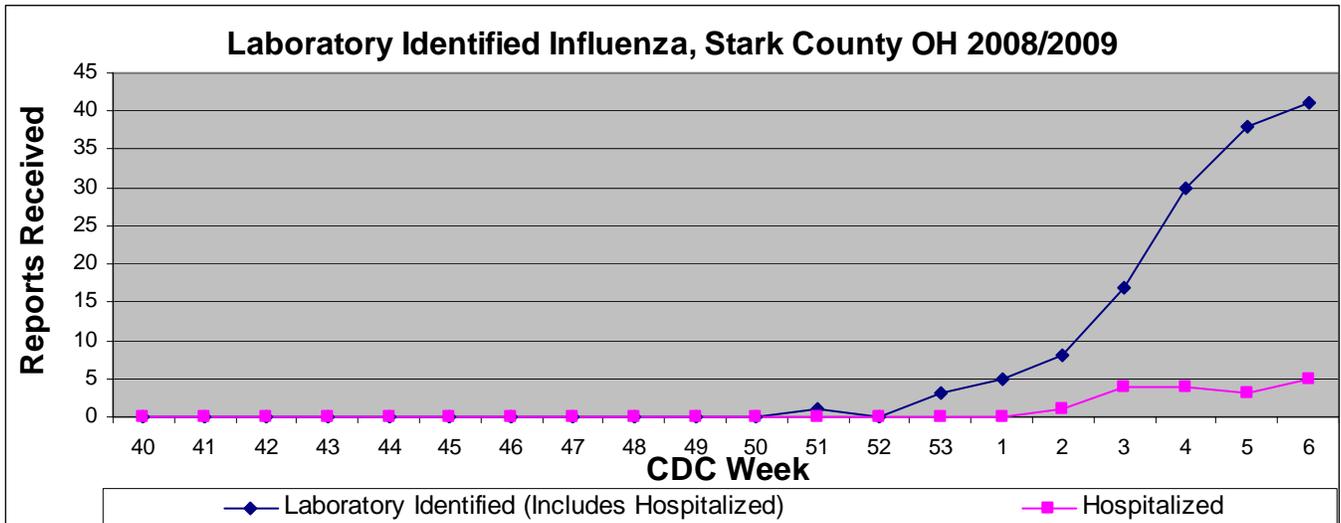
## STARK COUNTY INFLUENZA SNAPSHOT, WEEK 05

Week ending 7 February, 2009.

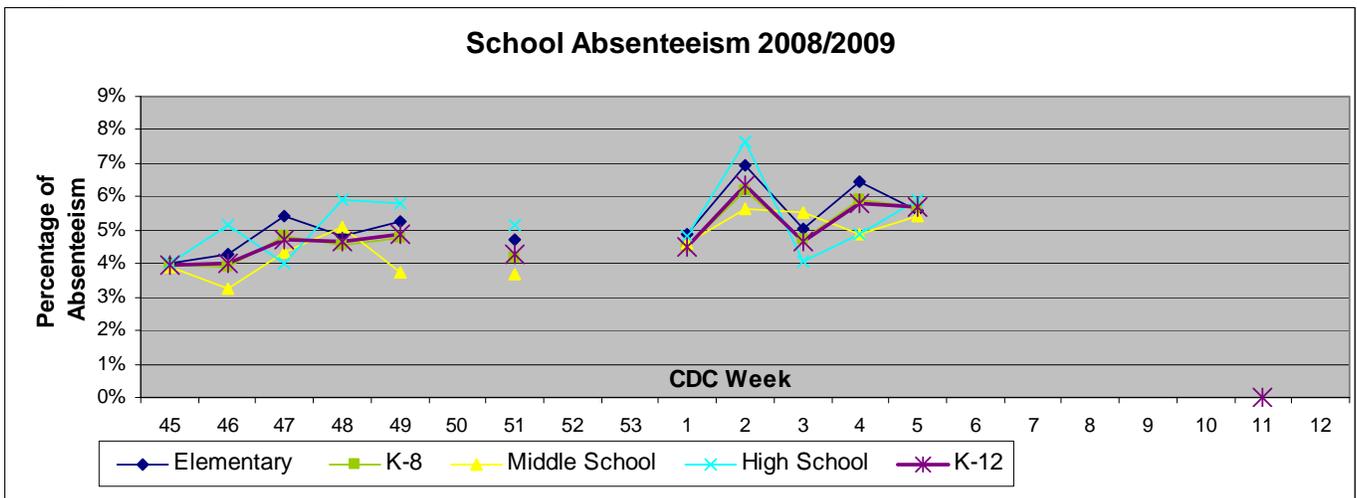
During week 05, Stark County indicators revealed continued evidence of increasing influenza activity.

- The four Public Health Departments in Stark County received 38 Influenza reports: 3 **Influenza-Associated Hospitalization and 35 laboratory confirmed non hospitalized.** (Note: A change in reporting requires only reporting of influenza-Associated Hospitalizations, however, several laboratories continue to voluntarily report lab confirmed cases.). (See Graph1)
- Year-To-date there are reports of **15 Type B** influenza and all other reports were **Type A**, in Stark County. Note: to date the Type B strain identified in Ohio is **NOT a match** to this year's vaccine.
- Year-to-date, 143 medically identified cases have been reported in Stark County. Of those reported with age information, the age range is 1 month to 78 years with a slightly increased mean and median of 23 years 21 years respectively.
- School Absenteeism saw little change during week 5. (See Graph2)
- Locally and nationally, Sentinel Providers reported **increasing activity**, particularly in the 5-24 year old population. (See Graph3)
- Real-Time Outbreak and Disease Surveillance (RODS) data reflected **increased** sales of Cough/Cold products. (See Graph4)
- The percentage of Emergency Department visits classified as Constitutional **increased** to 8.16% and **increased significantly** for Respiratory Syndrome, to 14.92%. (See Graph 5 and 6)
- **Widespread** Influenza activity is being reported in 16 states, including Ohio, Regional activity was reported by 16 states, Local activity by 14 and Sporadic activity by 4. (See Map) Note: Ohio moved this week from Sporadic to Local geographic activity.
- National Pneumonia and Influenza (P & I) Mortality Surveillance reported a **increase** to 7.2% of all deaths reported through the 122 Cities Mortality Reporting System as due to P & I. This is below the National threshold of 7.9%. A total of **4 Influenza-Associated Pediatric deaths** have occurred this year in the Nation, with none in Ohio.
- National Antiviral Resistance: Testing was completed with isolates from 33 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 22 positive confirmed isolates (total through 2/10/09). Circulating Strains: (19) Influenza A/ (H1N1), (3) Influenza B/Malaysia-like.
- National Vaccine Coverage: of 309 influenza viruses with antigenic characterization, 194 influenza A (H1) viruses are related to the influenza A (H1N1) component of the 2008-09 influenza vaccine (A/Brisbane/59/2007). Thirty-seven influenza A (H3N2) viruses are related to the A (H3N2) vaccine component (A/Brisbane/10/2007). Twenty-three influenza B viruses tested belong to the B/Yamagata lineage and are related to the vaccine strain (B/Florida/04/2006). The remaining 55 viruses belong to the B/Victoria lineage and are **not related to the vaccine** strain. **Ohio's** Influenza B/Malaysia-like is **not related** to the vaccine.

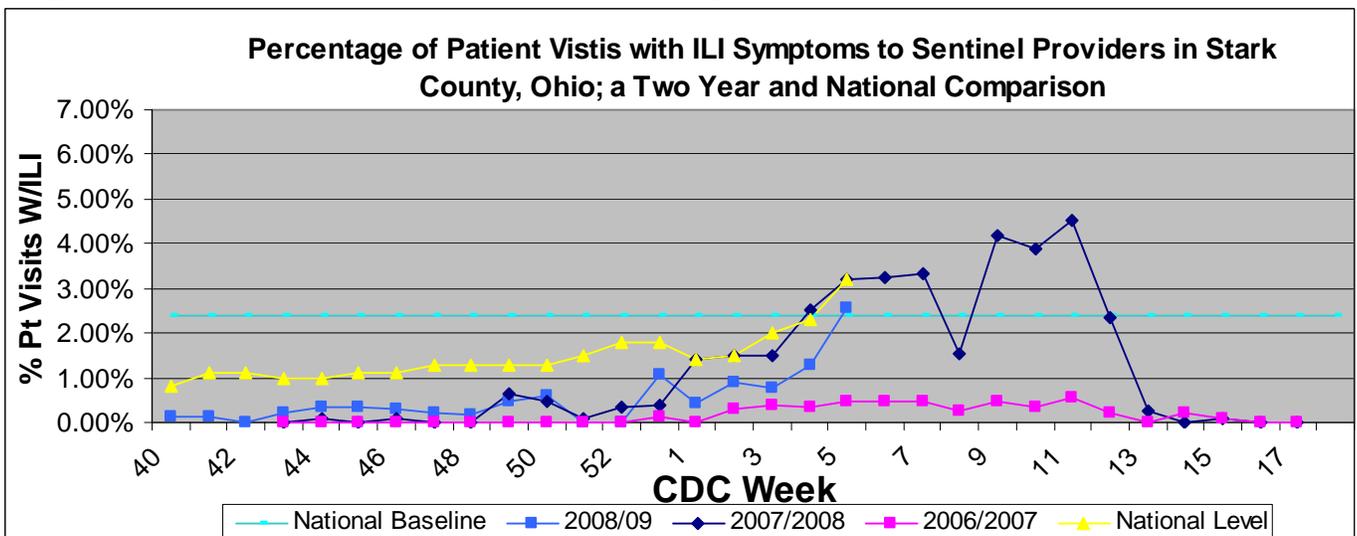
**Graph 1:** Number of Influenza-Associated Hospitalizations and medically identified cases of Influenza (cases reported from a medical provider or laboratory; established with a minimum of rapid test confirmation).



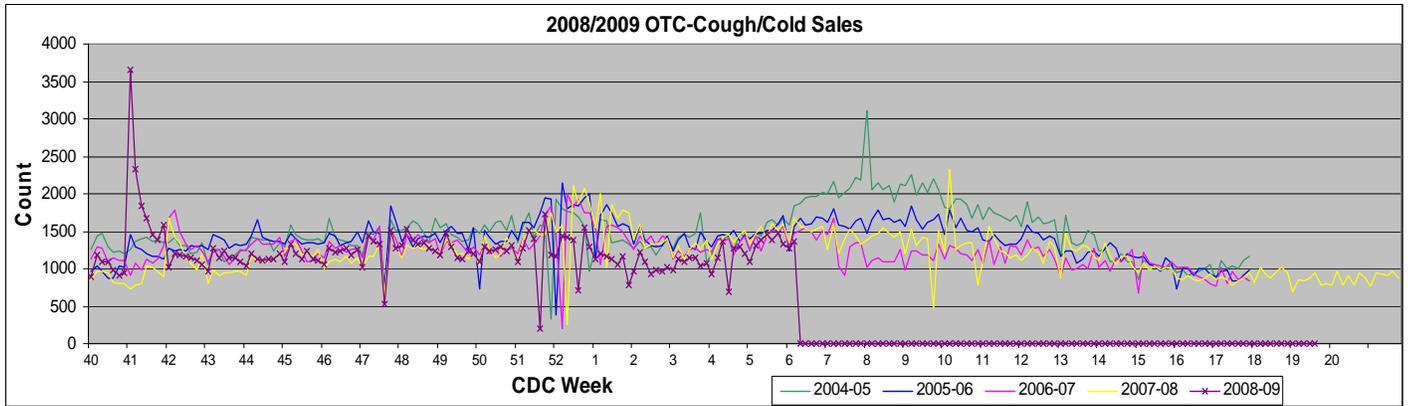
**Graph 2:** School Absenteeism.



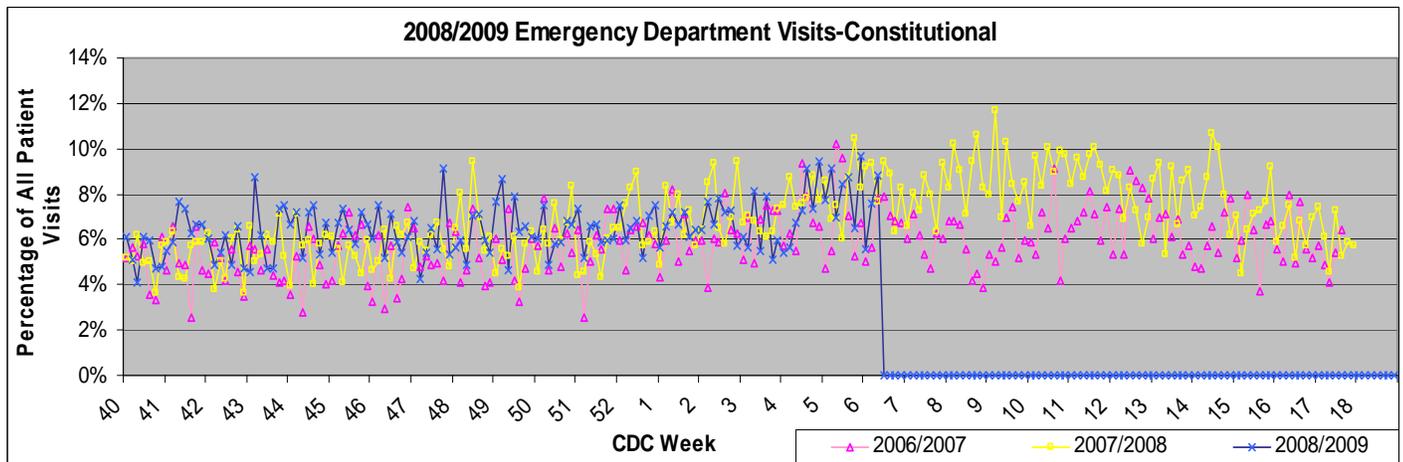
**Graph 3:** Sentinel Provider visits for ILI in Stark County Ohio and the Nation.



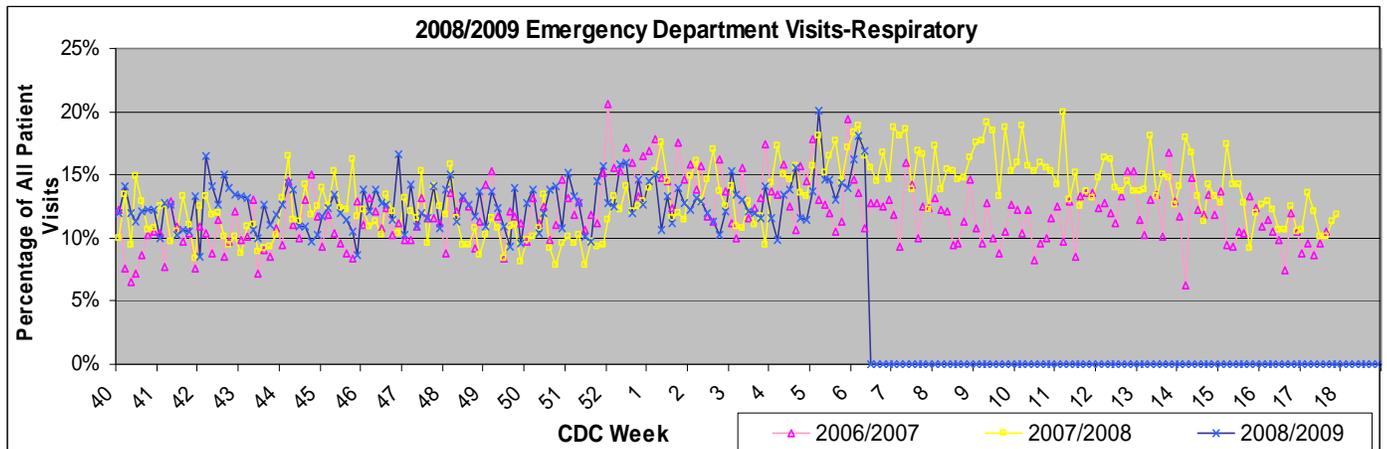
**Graph 4** Sales of Over-The-Counter Cough and Cold Medications, as reported by RODS.



**Graph 5:** Constitutional visits by Stark County Residents to Emergency Departments. (Represented as a percentage of total visits)



**Graph 6:** Respiratory visits by Stark County Residents to Emergency Departments. (Represented as a percentage of total visits)



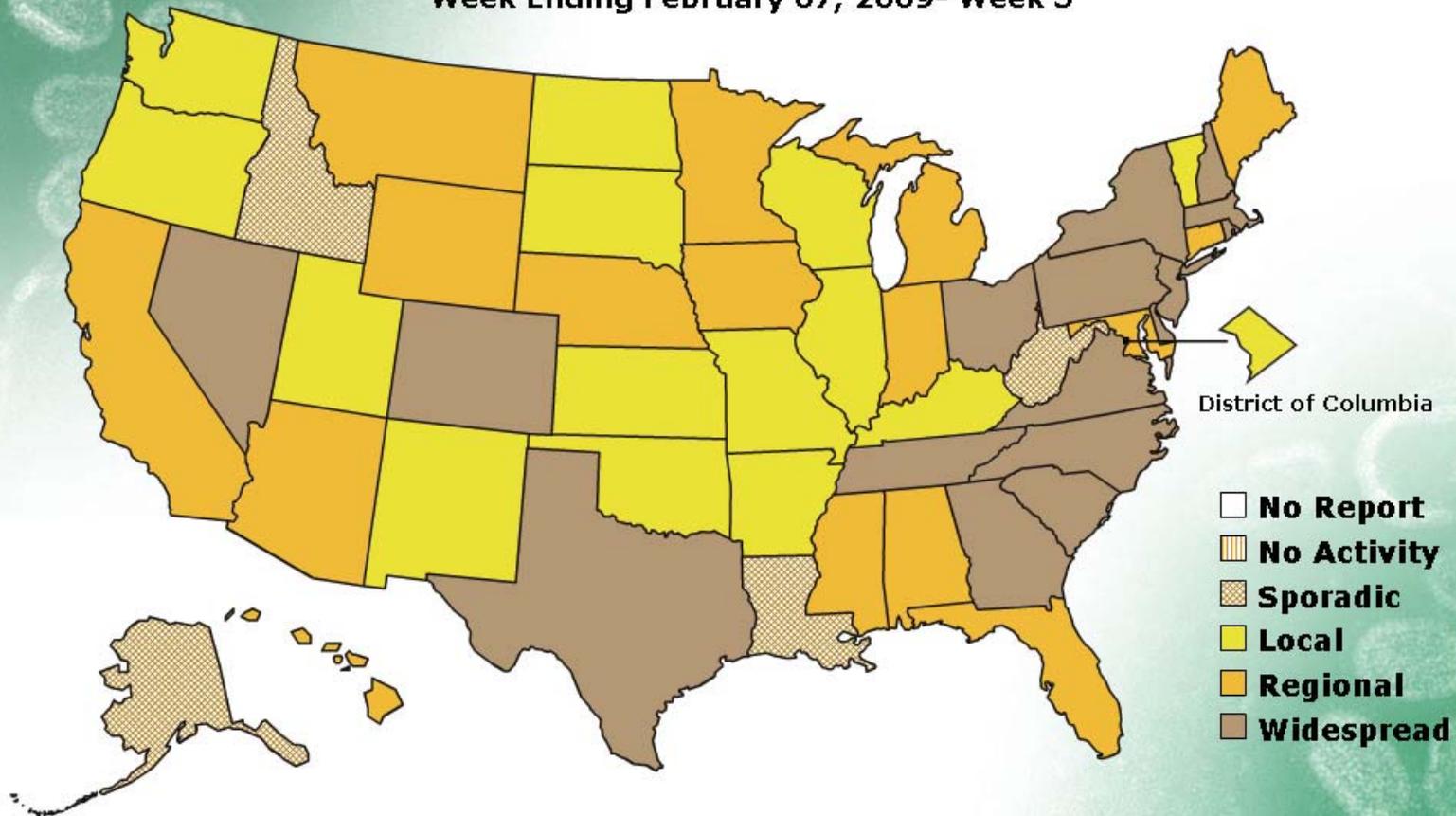
Map: National Influenza Activity. Source [www.cdc.gov/flu/weekly](http://www.cdc.gov/flu/weekly)

# FLUVIEW



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

Week Ending February 07, 2009- Week 5



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