



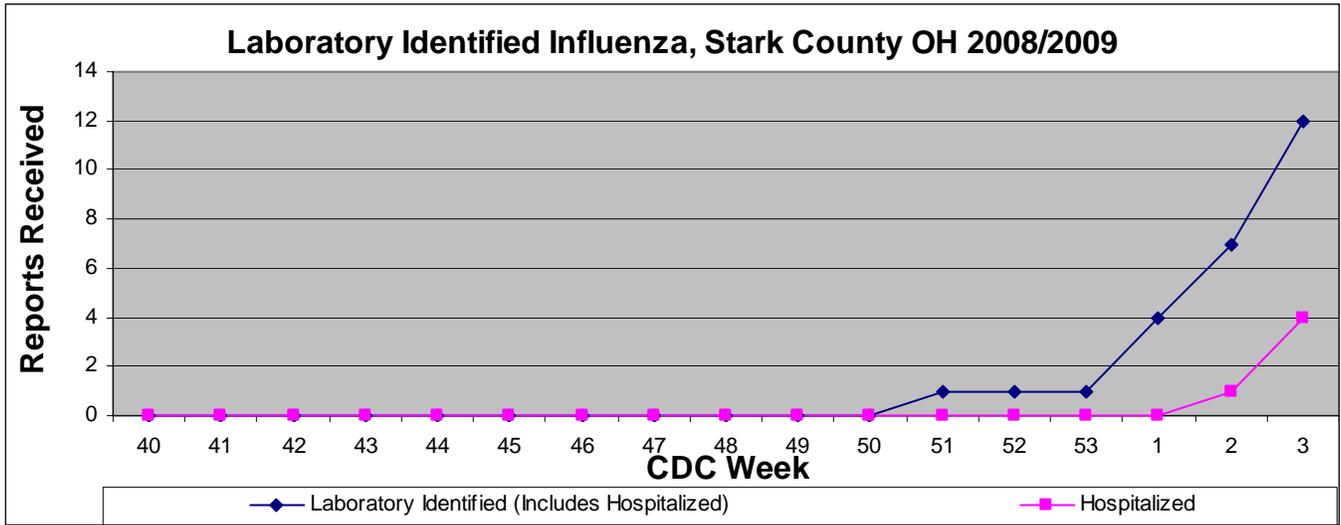
## STARK COUNTY INFLUENZA SNAPSHOT, WEEK 03

Week ending 24 January 2009.

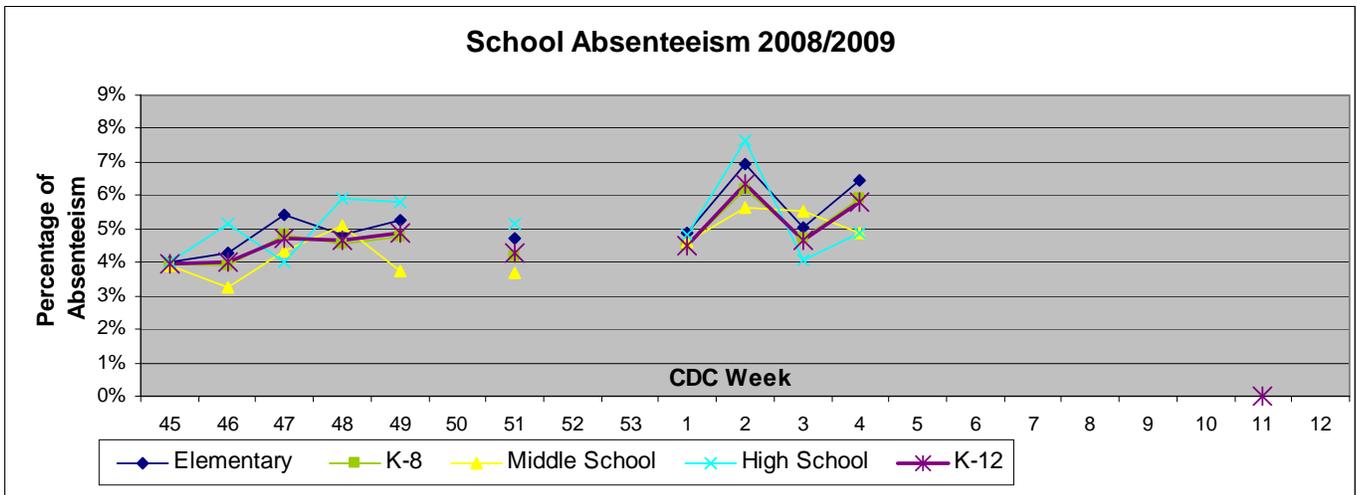
During week 03, Stark County indicators revealed evidence of increasing influenza activity.

- The four Public Health Departments in Stark County received 12 Influenza reports: **4 Influenza-Associated Hospitalization and 8 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)
- One report was a **Type B** all other reports were **Type A**. Ohio Department of Health Laboratory reported eight positive confirmed isolates, all Influenza A/(H1N1) (total through 1/27/09). Nationally 86.4% of Influenza are type A and 13.6% are Type B.
- Year-to-date, 32 medically identified cases have been reported in Stark County. Of those reported with age information, the age range is 4 months to 78 years with a mean of 24 years and a median of 25 years.
- School Absenteeism saw a **decrease** during week 3, however an increase can be seen in week 4. (See Graph2)
- Locally and nationally, Sentinel Providers reported **low or slightly increasing activity.** (See Graph3)
- Real-Time Outbreak and Disease Surveillance (RODS) data reveals relatively **steady** sales of Cough/Cold products. (See Graph4)
- The percentage of Emergency Department visits classified as Constitutional **decreased slightly** to 6.32% and **increased** for Respiratory Syndrome, to 13.06%. (See Graph 5 and 6)
- Widespread Influenza activity is being reported in two states, New Jersey and Virginia. Regional activity was reported by fourteen (14) states, Local activity by twelve (12), **Sporadic** activity by 22 including the state of Ohio. (See Map)
- National Pneumonia and Influenza (P & I) Mortality Surveillance reported a **decrease** to 7.3% of all deaths reported through the 122 Cities Mortality Reporting System as due to P & I. This is below the National threshold of 7.8%.
- National Antiviral Resistance: Influenza A (H1N1) viruses from 26 states have been tested for antiviral resistance to oseltamivir so far this season. In all 26 states, at least one **oseltamivir-resistant** influenza A (H1N1) virus has been identified. To date, all influenza A (H3N2) viruses tested are **resistant to the adamantanes.**
- National Vaccine Coverage: of 229 influenza viruses with antigenic characterization, 142 influenza A (H1) viruses are related to the influenza A (H1N1) component of the 2008-09 influenza vaccine (A/Brisbane/59/2007). Thirty-five influenza A (H3N2) viruses are related to the A (H3N2) vaccine component (A/Brisbane/10/2007). Seventeen influenza B viruses tested belong to the B/Yamagata lineage and are related to the vaccine strain (B/Florida/04/2006). The remaining 35 viruses belong to the B/Victoria lineage and are **not related to the vaccine strain.** NOTE: Thirty of the 35 viruses belonging to the B/Victoria lineage were from two states.

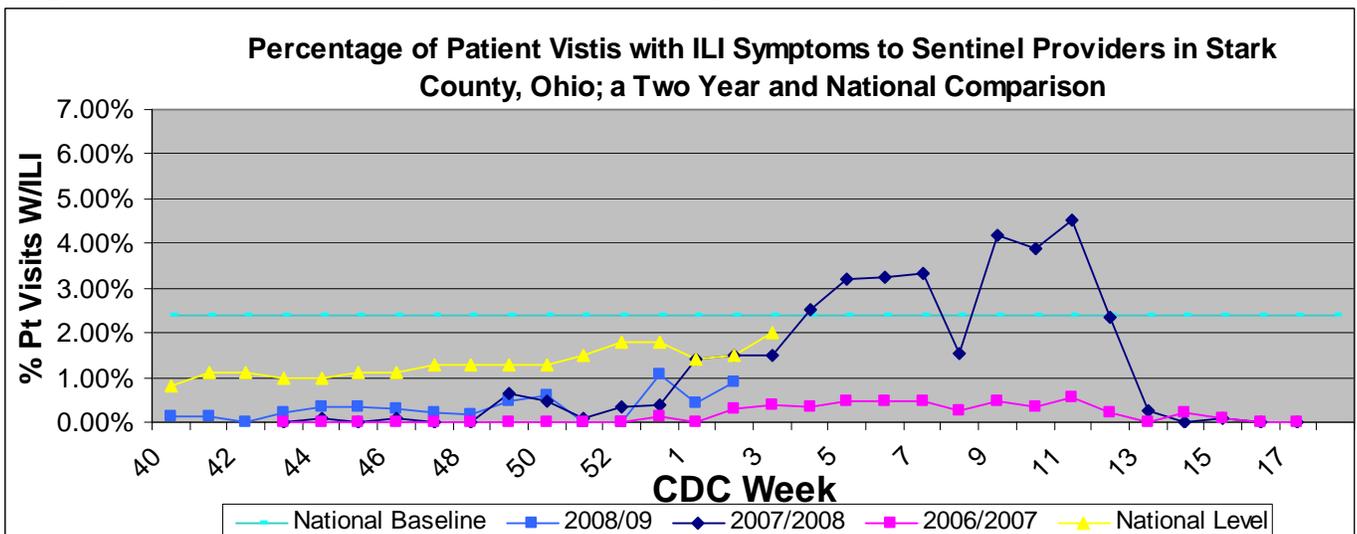
**Graph 1:** Number of Influenza-Associated Hospitalizations and medically identified cases of Influenza (cases reported from a medical provider or laboratory; established with a minimum of rapid test confirmation).



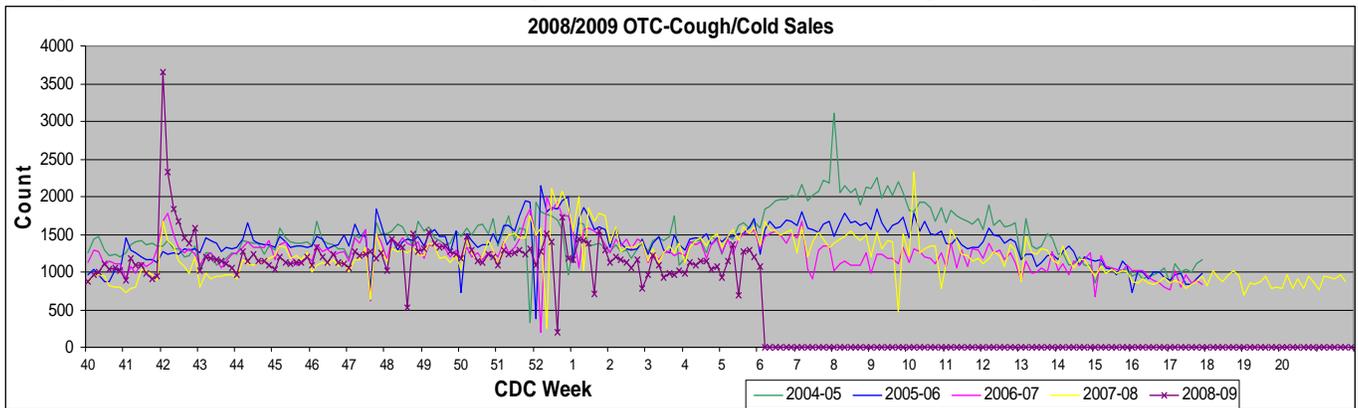
**Graph 2:** School Absenteeism.



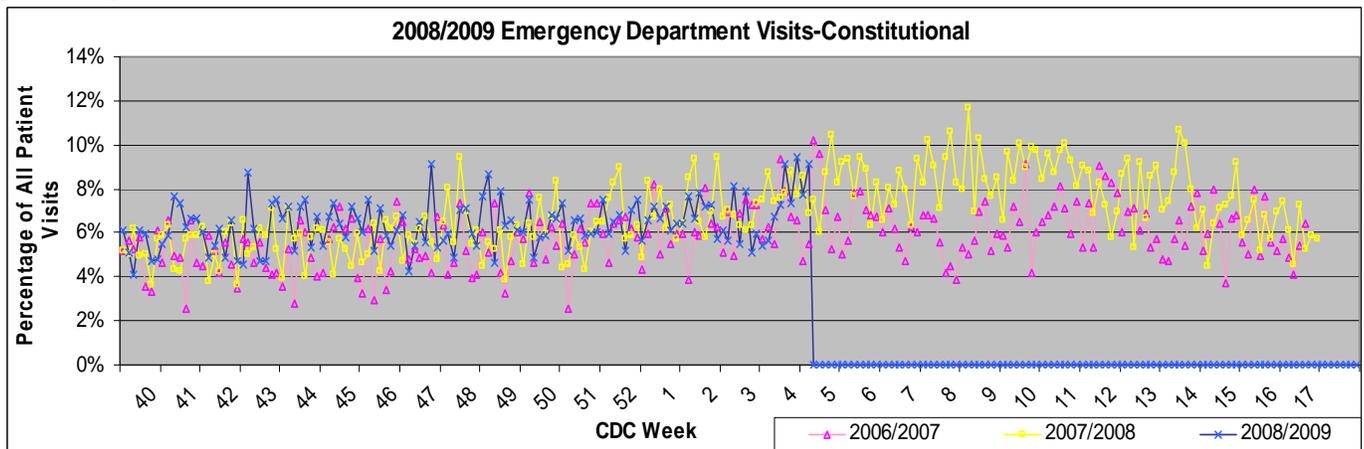
**Graph 3:** Sentinel Provider visits for ILI in Stark County Ohio and the Nation.



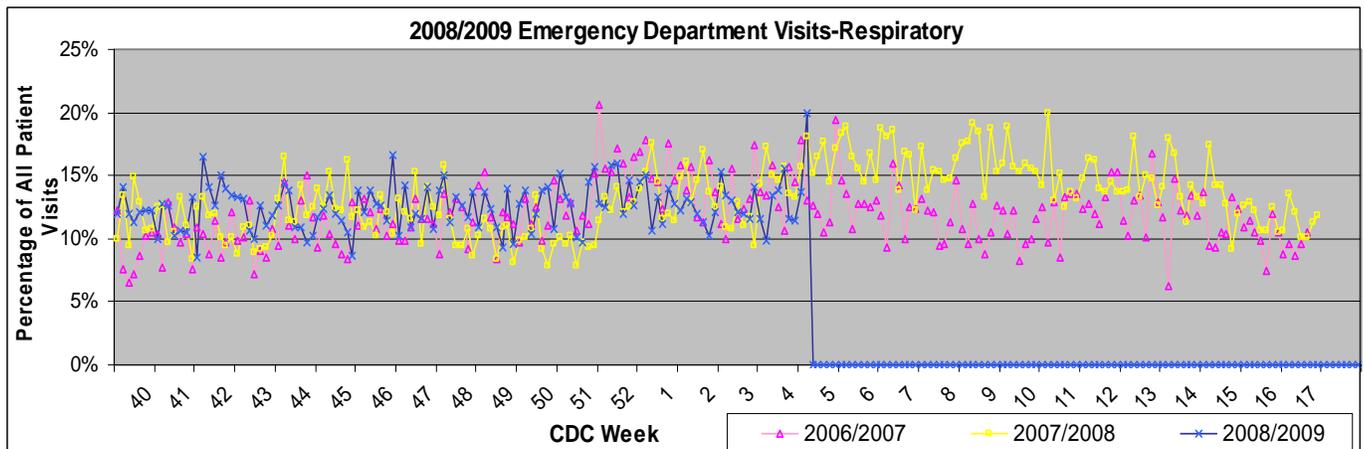
**Graph 4** Sales of Over-The-Counter Cough and Cold Medications, as reported by RODS.



**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)



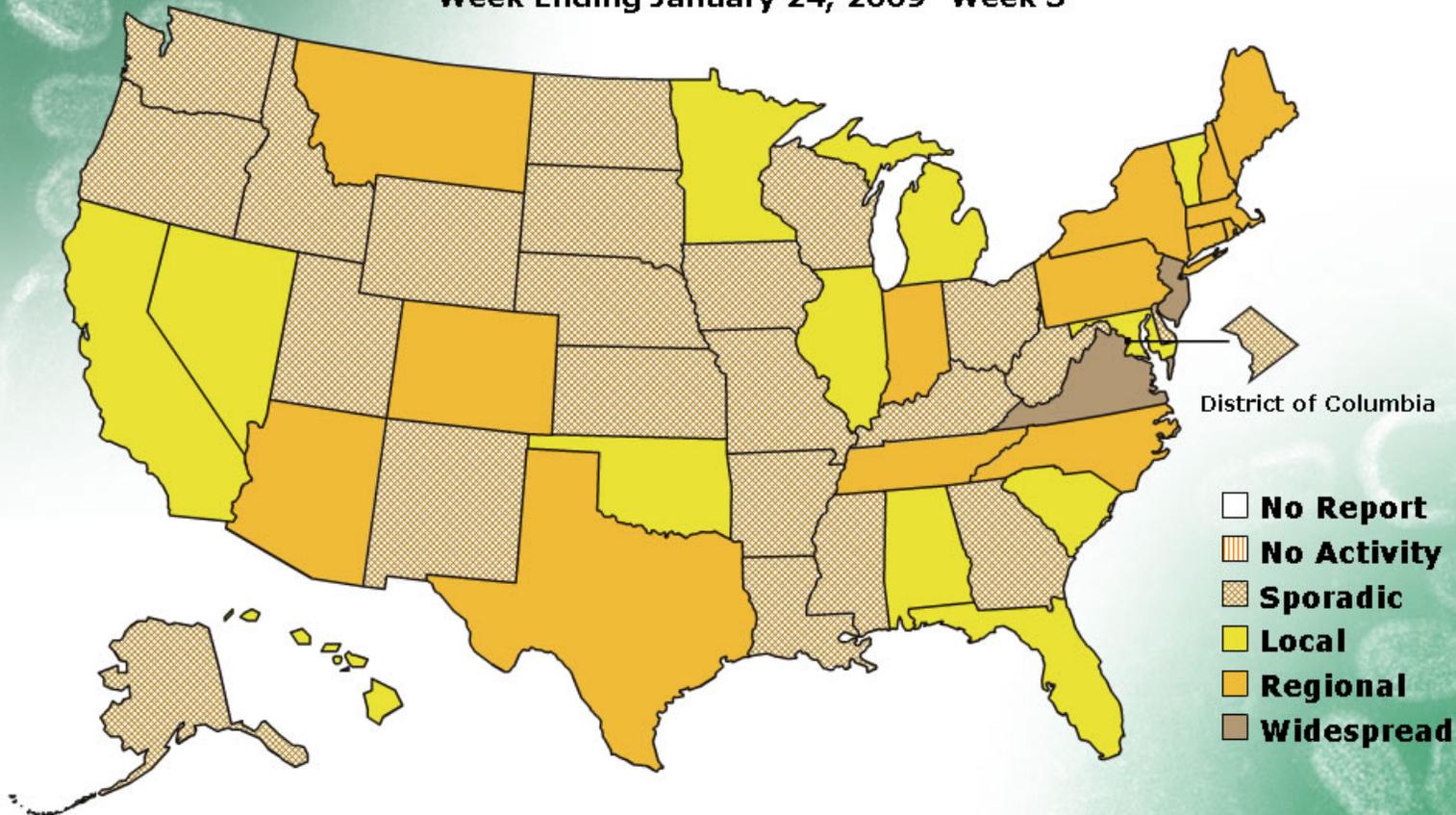
Map: National Influenza Activity. Source [www.cdc.gov/flu/weekly](http://www.cdc.gov/flu/weekly)

# FLUVIEW



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

**Week Ending January 24, 2009- Week 3**



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