



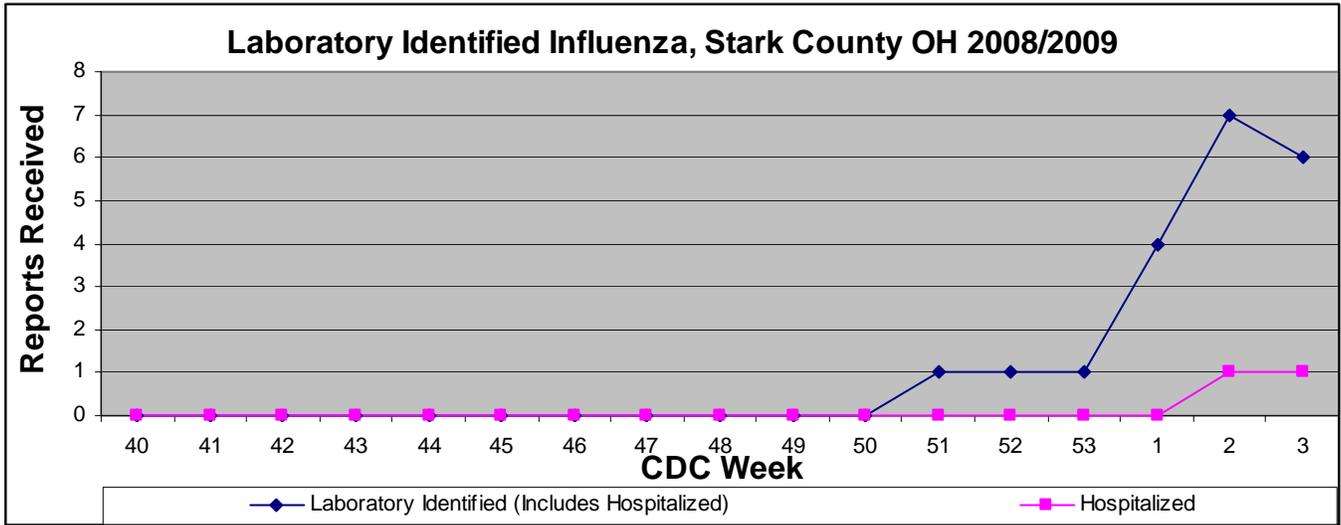
STARK COUNTY INFLUENZA SNAPSHOT, WEEK 02

Week ending 17 January 2009.

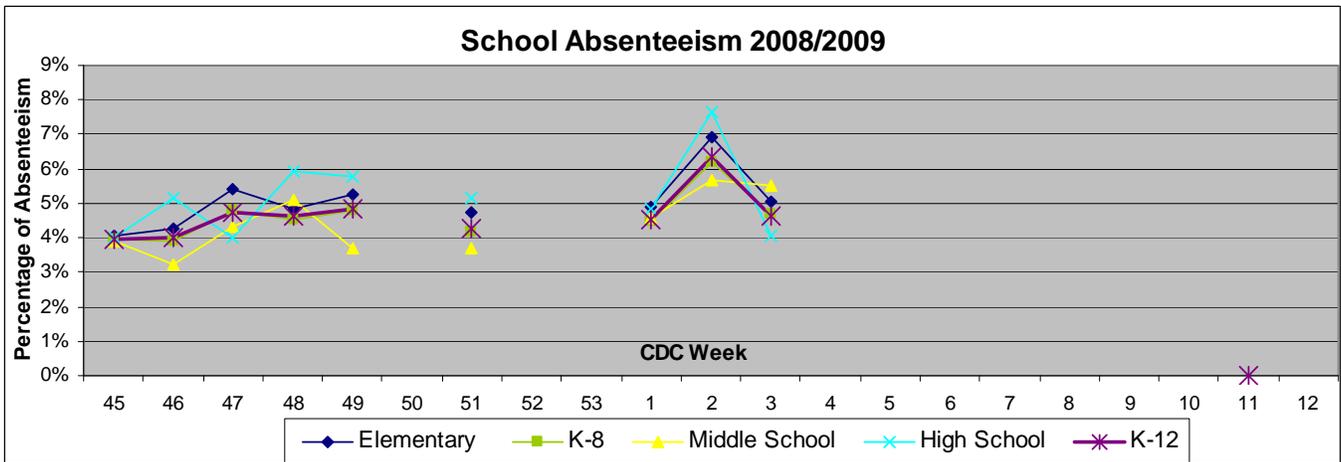
During week 02, Stark County indicators revealed evidence of low but increasing influenza activity.

- The four Public Health Departments in Stark County received 7 Influenza reports during Week 2: **1 Influenza-Associated Hospitalization and 6 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)
- All reports received to date in Stark County are **Type A.** Ohio Department of Health Laboratory reported three positive confirmed isolates, all Influenza A/ (H1N1) (total through 1/20/09). Nationally 84.6% of Influenza are type A and 15.4% are Type B.
- Year-to-date, 17 medically identified cases have been reported in Stark County. Of those reported with age information, the age range is 4 months to 48 years with a mean of 21.8 years and a median of 25 years.
- School Absenteeism saw an **increase** of nearly 2% during week 2. (See Graph2)
- Locally and nationally, Sentinel Providers continue to report **low or no 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 **increased slightly** to 6.96% and **decreased slightly** for Respiratory Syndrome, to 11.99%. (See Graph 5 and 6)
- Widespread Influenza activity is being reported only in one state, Virginia. Regional activity was reported by six (6) states, Local activity by eleven (11), **Sporadic** activity by 30 including the state of Ohio, and two states reported no activity. (See Map)
- National Pneumonia and Influenza (P & I) Mortality Surveillance reported an **increase** to 7.5% 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 25 states have been tested for antiviral resistance to oseltamivir so far this season. In all 25 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 207 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). Thirteen 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.

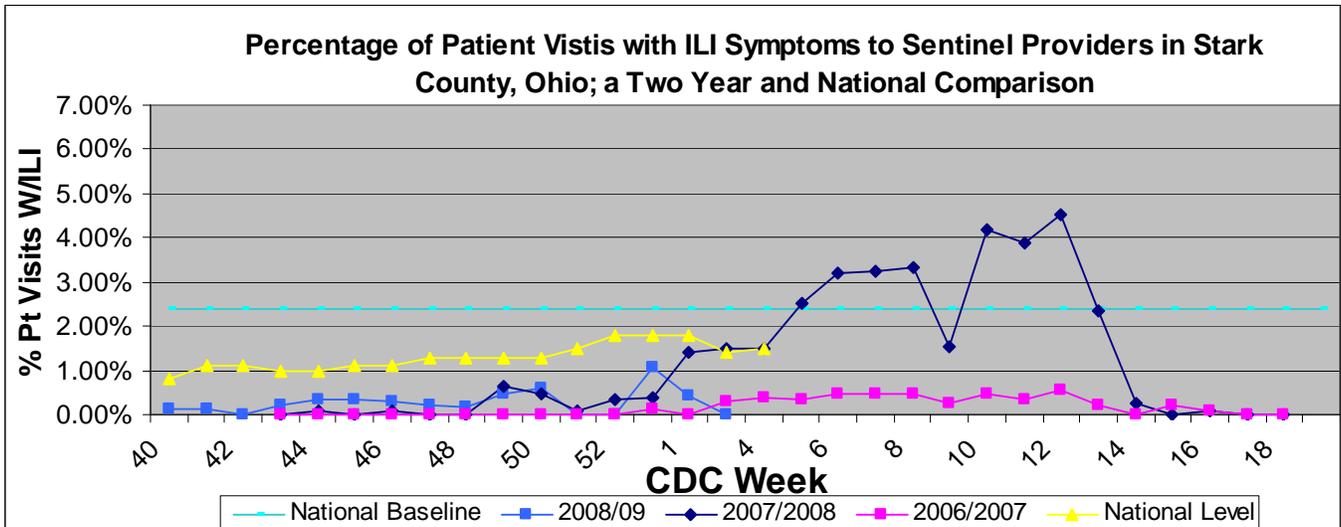
Graph 1: Number of Influenza-Associated Hospitalizations and medically identified cases of Influenza (cases reported from a medical provider or laboratory; established with a minimum of rapid test confirmation).



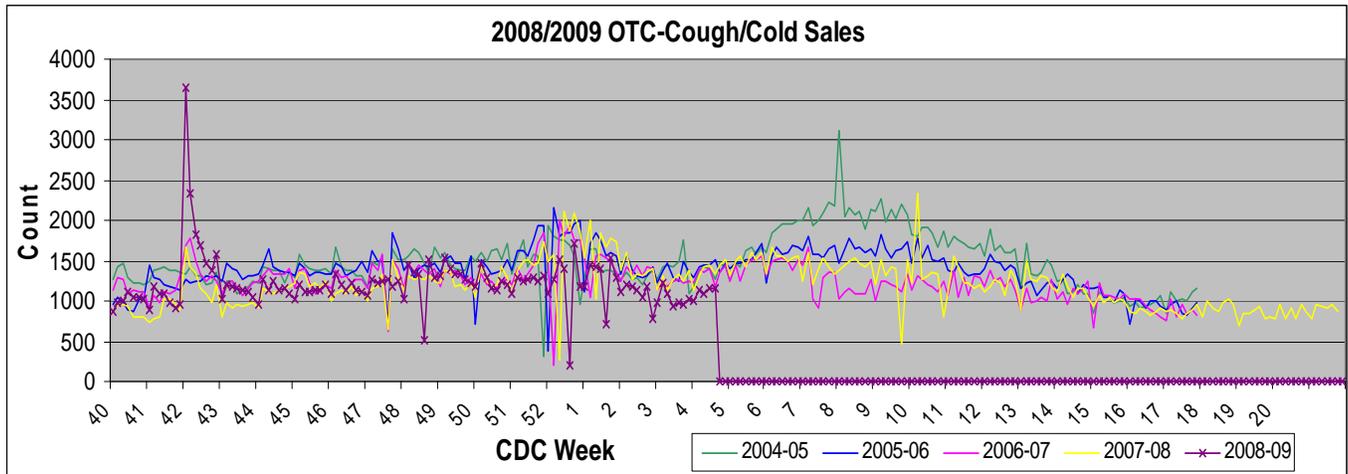
Graph 2: School Absenteeism.



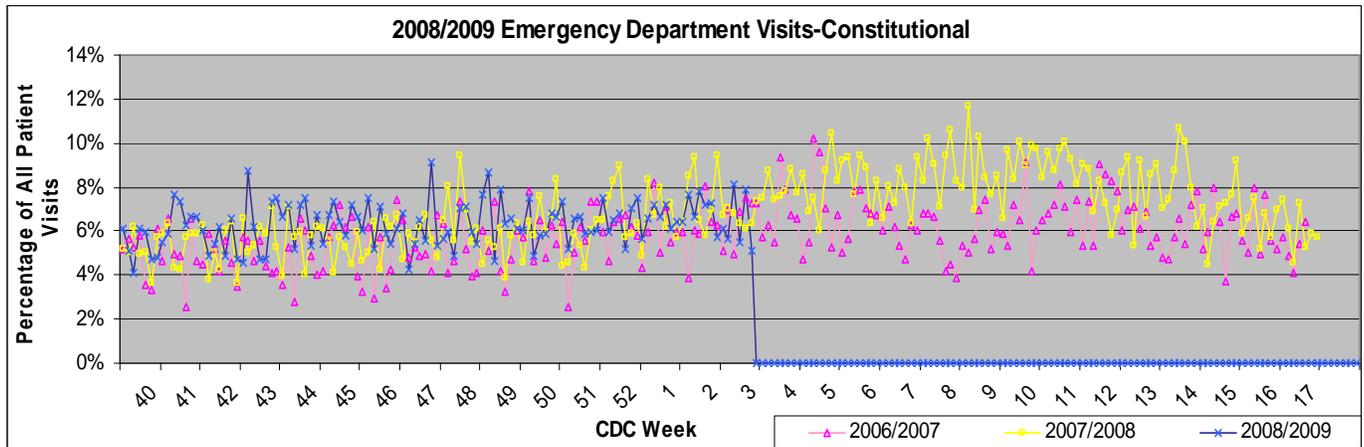
Graph 3: Sentinel Provider visits for ILI in Stark County Ohio and the Nation.



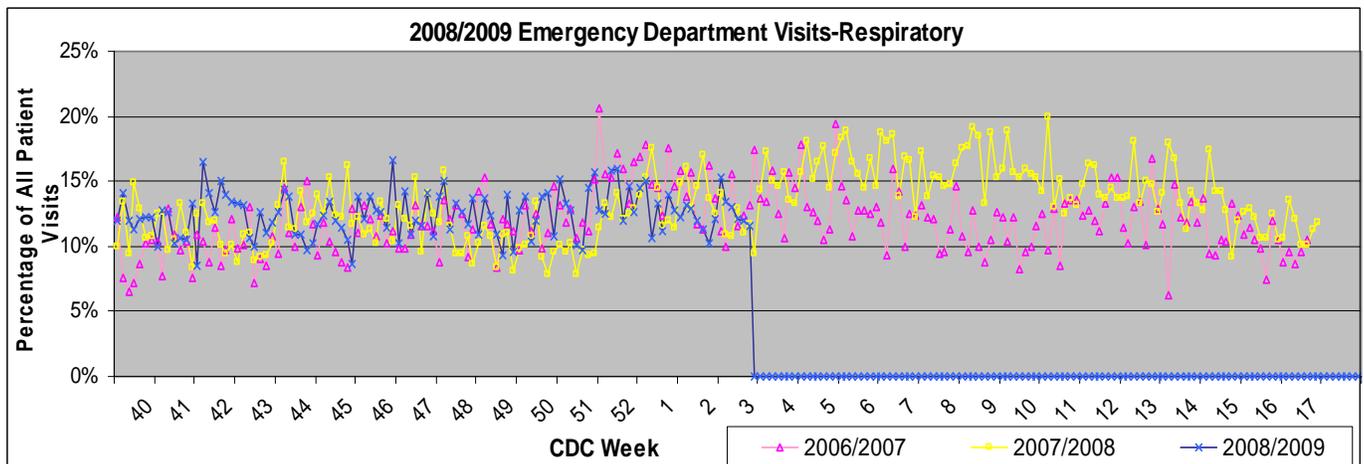
Graph 4 Sales of Over-The-Counter Cough and Cold Medications, as reported by RODS.



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)



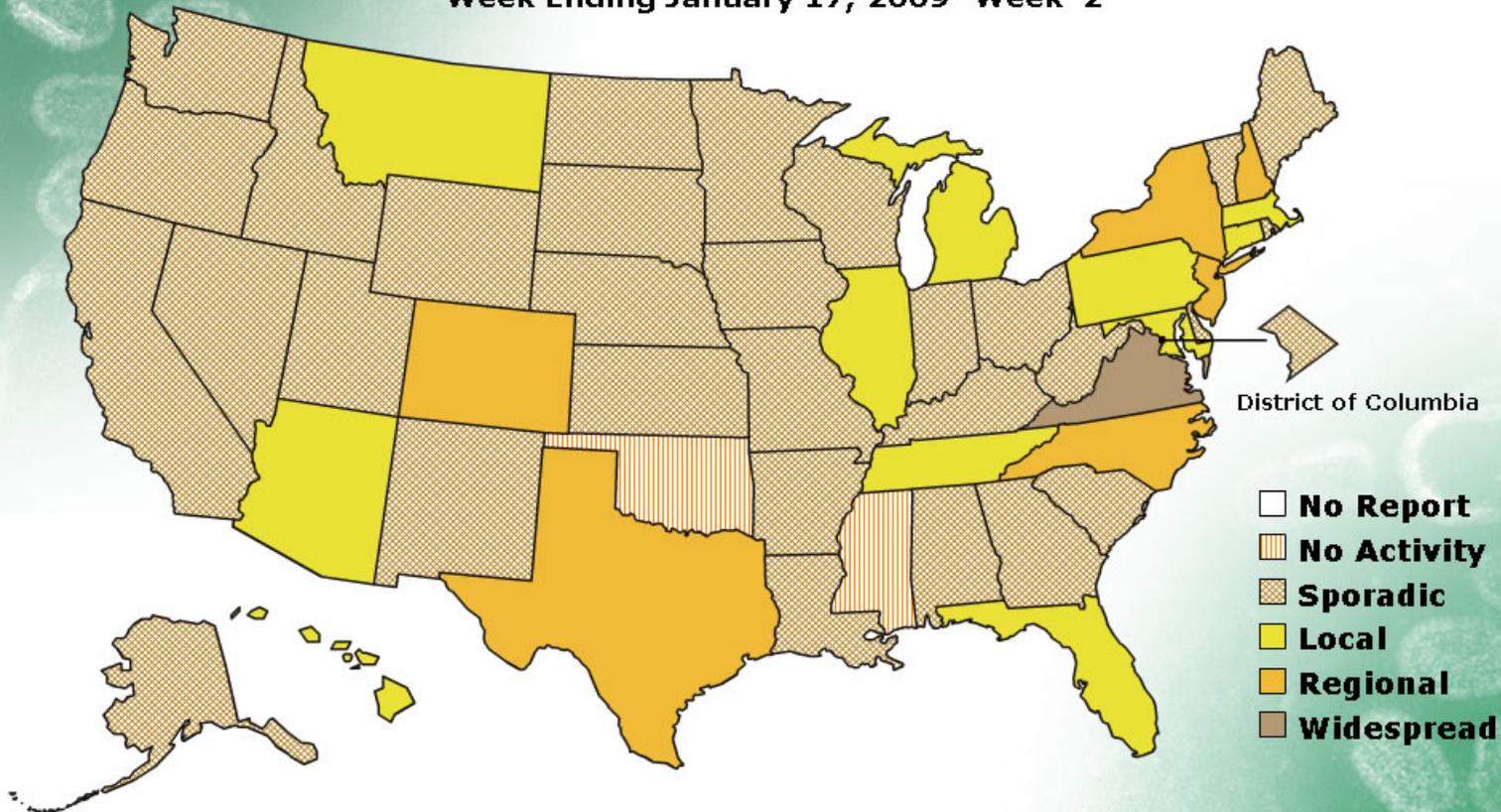
Map: National Influenza Activity. Source www.cdc.gov/flu/weekly

FLUVIEW



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

Week Ending January 17, 2009- Week 2



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