



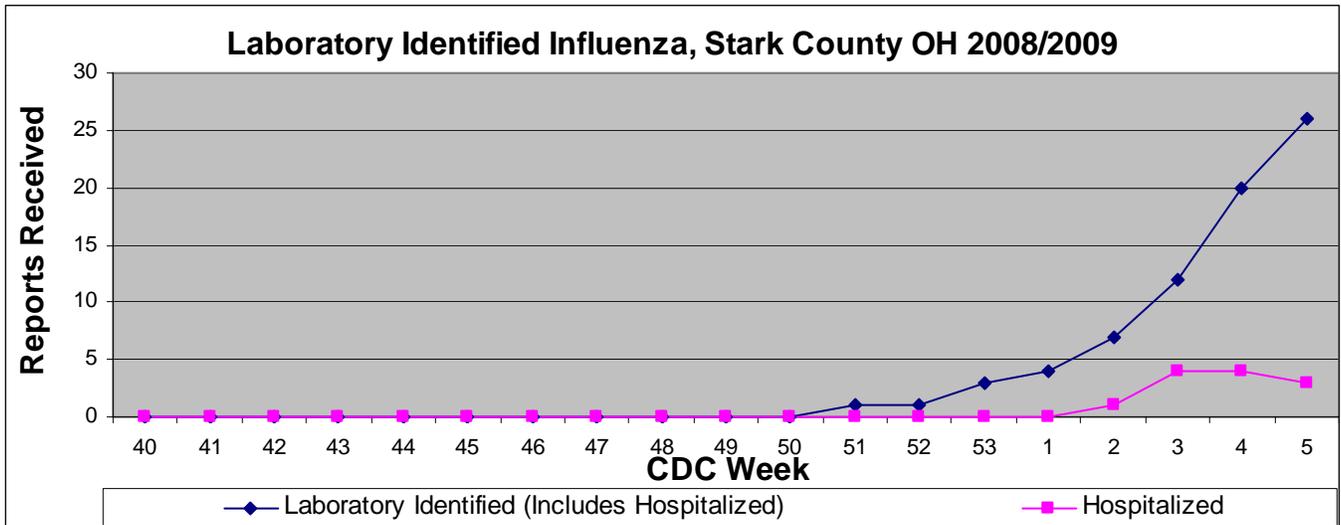
STARK COUNTY INFLUENZA SNAPSHOT, WEEK 04

Week ending 31 January 2009.

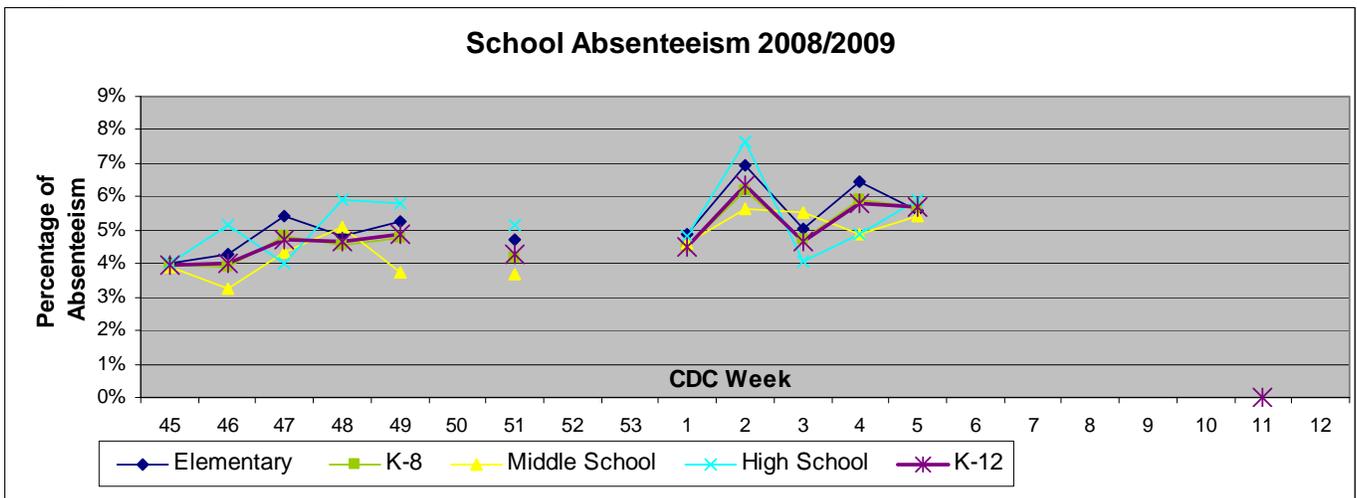
During week 04, Stark County indicators revealed continued evidence of increasing influenza activity, particularly in the 5-24 year old age group.

- The four Public Health Departments in Stark County received 20 Influenza reports: **4 Influenza-Associated Hospitalization and 16 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)
- Week 4 brought three reports of **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, 80 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 mean of 22 years and a **median of 19 years.**
- School Absenteeism saw a modest **increase** during week 4. (See Graph2)
- Locally and nationally, Sentinel Providers reported **increasing activity**, particularly in the 5-24 year old population where a 3-fold increase was seen. (See Graph3)
- Real-Time Outbreak and Disease Surveillance (RODS) data reflected **increased** sales of Cough/Cold products, despite a day with a pronounced decline likely due to weather. (See Graph4)
- The percentage of Emergency Department visits classified as Constitutional **increased slightly** to 7.28% and **decreased** for Respiratory Syndrome, to 12.46%. (See Graph 5 and 6)
- Widespread Influenza activity is being reported in five states, Regional activity was reported by twenty-one (21) states, **Local** activity by thirteen (13), including Ohio, Sporadic activity by eleven 11. (See Map) Note: Ohio moved this week from Sporadic to Local geographic activity.
- National Pneumonia and Influenza (P & I) Mortality Surveillance reported a **decrease** to 7.0% 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 3 Influenza-Associated Pediatric deaths have occurred this year in the Nation.
- National Antiviral Resistance: Testing was completed with isolates from 30 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 14 positive confirmed isolates (total through 2/3/09). Circulating Strains: (12) Influenza A/ (H1N1), (2) Influenza B/Malaysia-like.
- National Vaccine Coverage: of 255 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). 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.

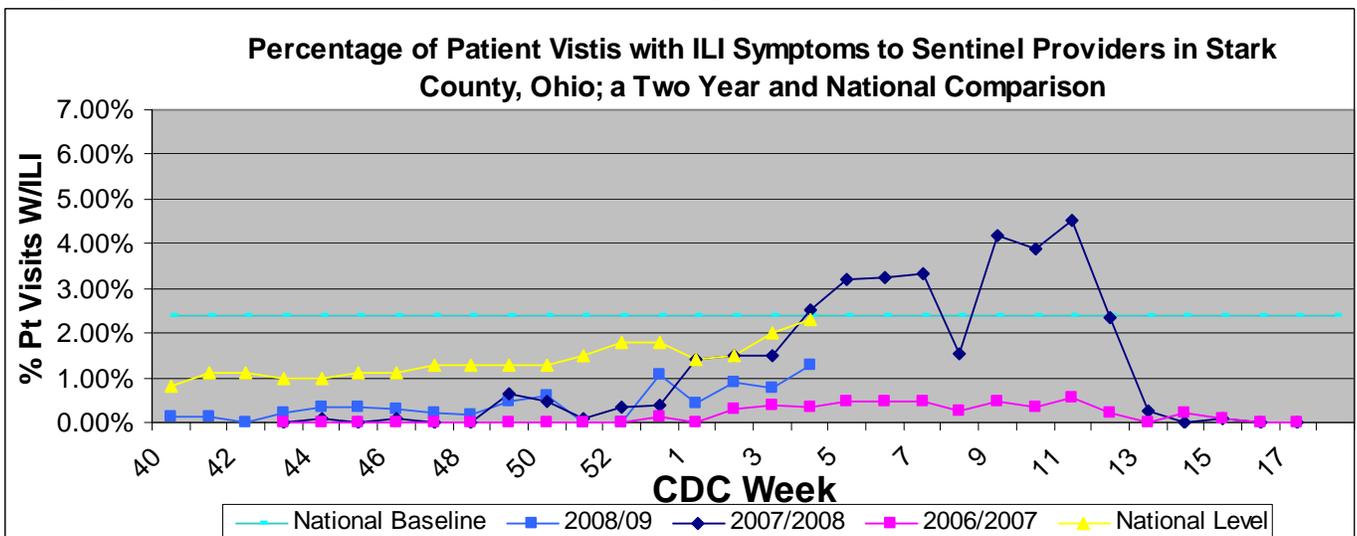
Graph 1: Number of Influenza-Associated Hospitalizations and medically identified cases of Influenza (cases reported from a medical provider or laboratory; established with a minimum of rapid test confirmation).



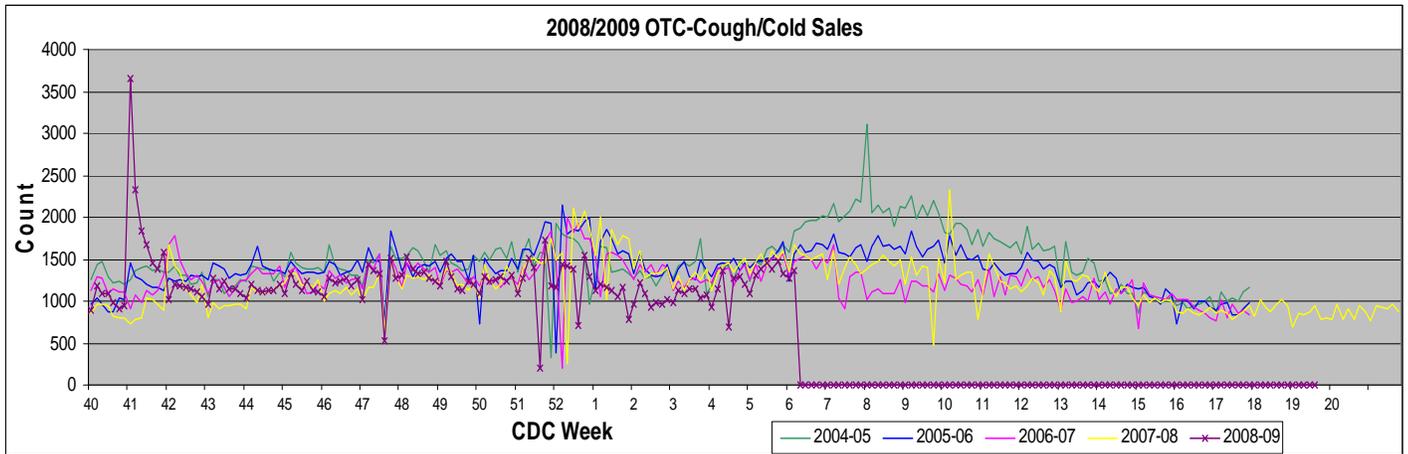
Graph 2: School Absenteeism.



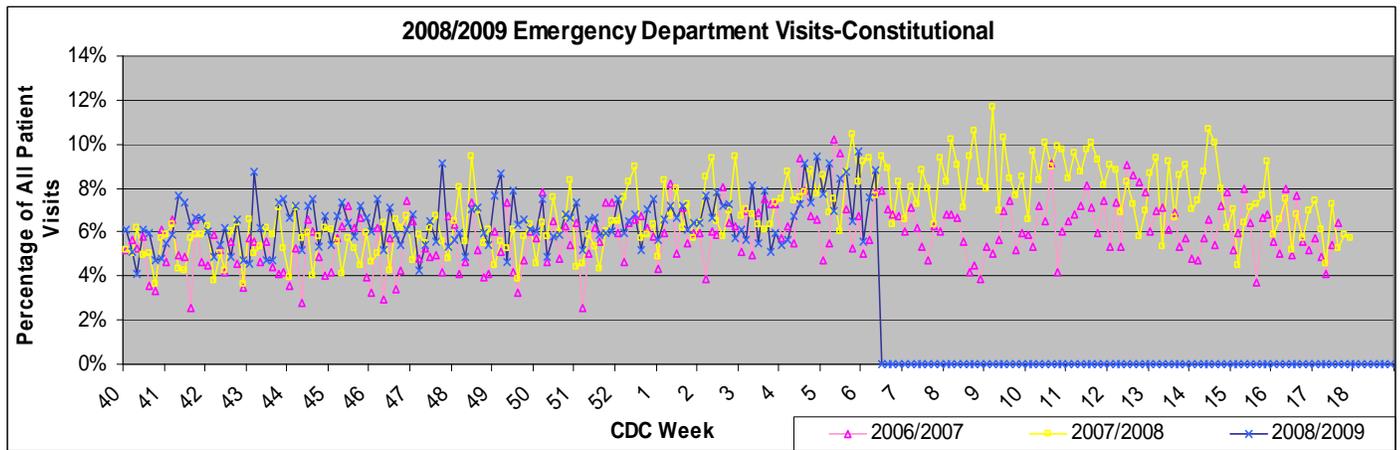
Graph 3: Sentinel Provider visits for ILI in Stark County Ohio and the Nation.



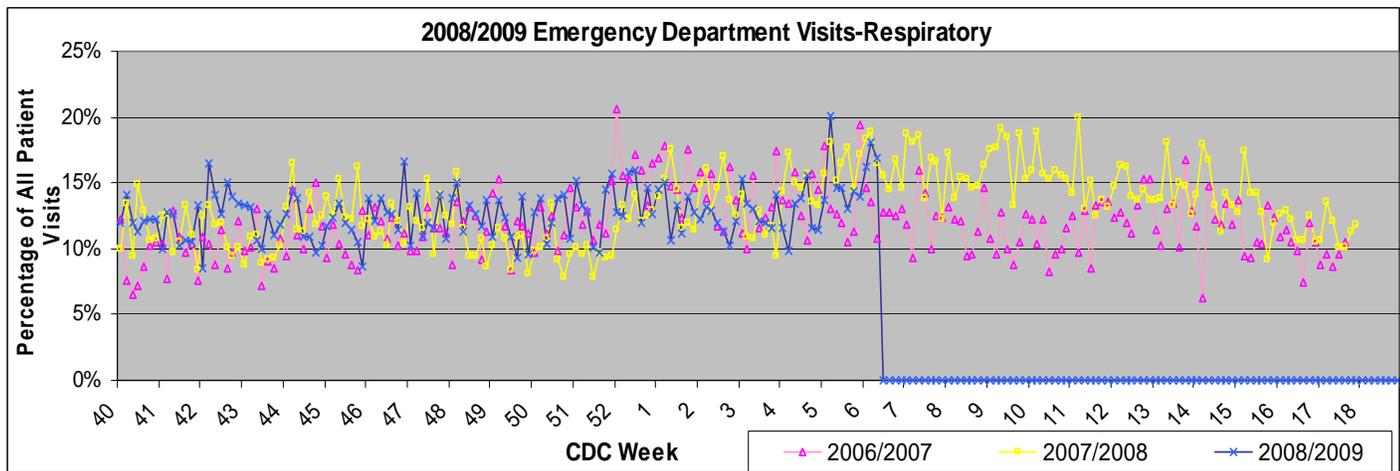
Graph 4 Sales of Over-The-Counter Cough and Cold Medications, as reported by RODS.



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)



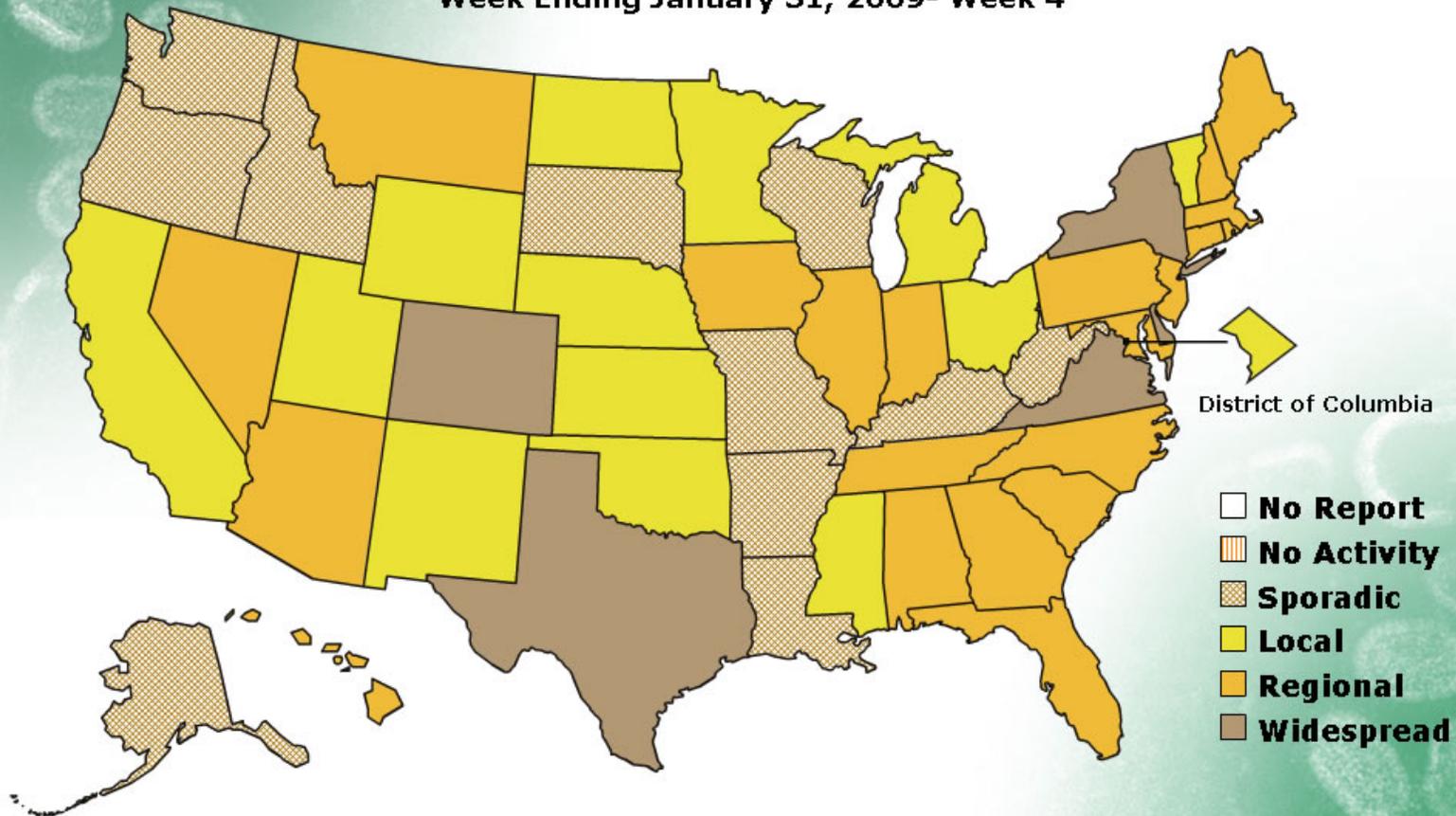
Map: National Influenza Activity. Source www.cdc.gov/flu/weekly

FLUVIEW



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

Week Ending January 31, 2009- Week 4



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