



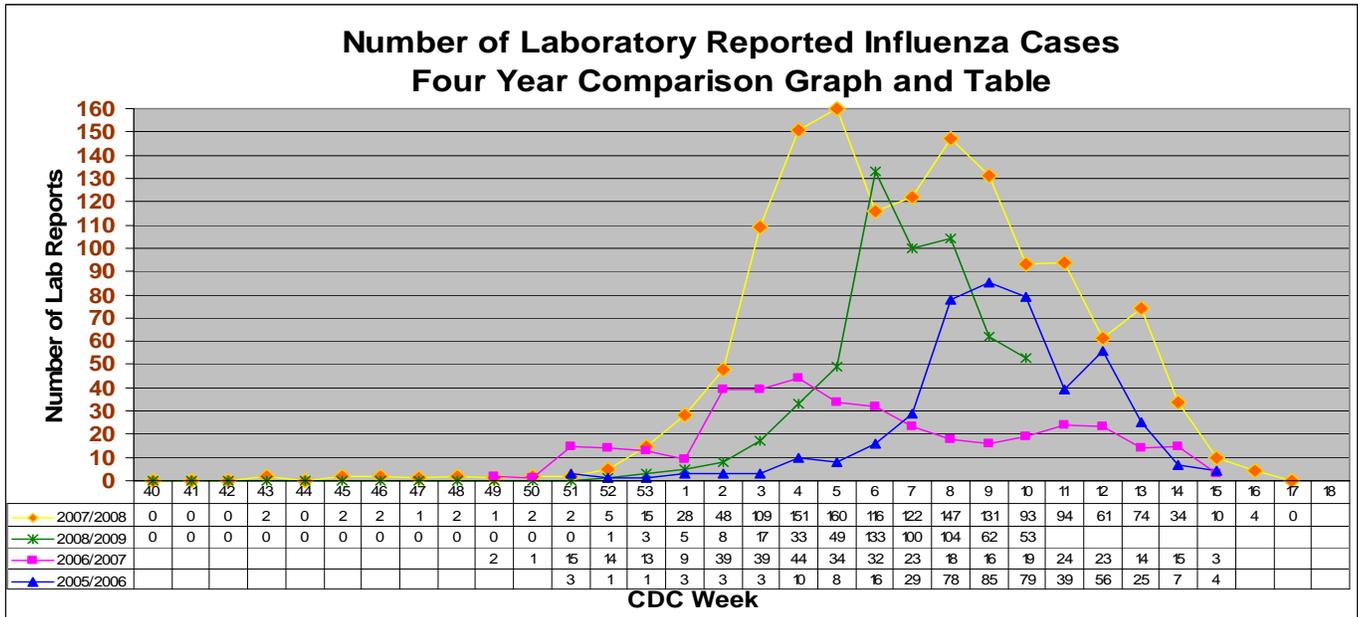
STARK COUNTY INFLUENZA SNAPSHOT, WEEK 10

Week ending 14 March, 2009. With updates through 03/24/2009.

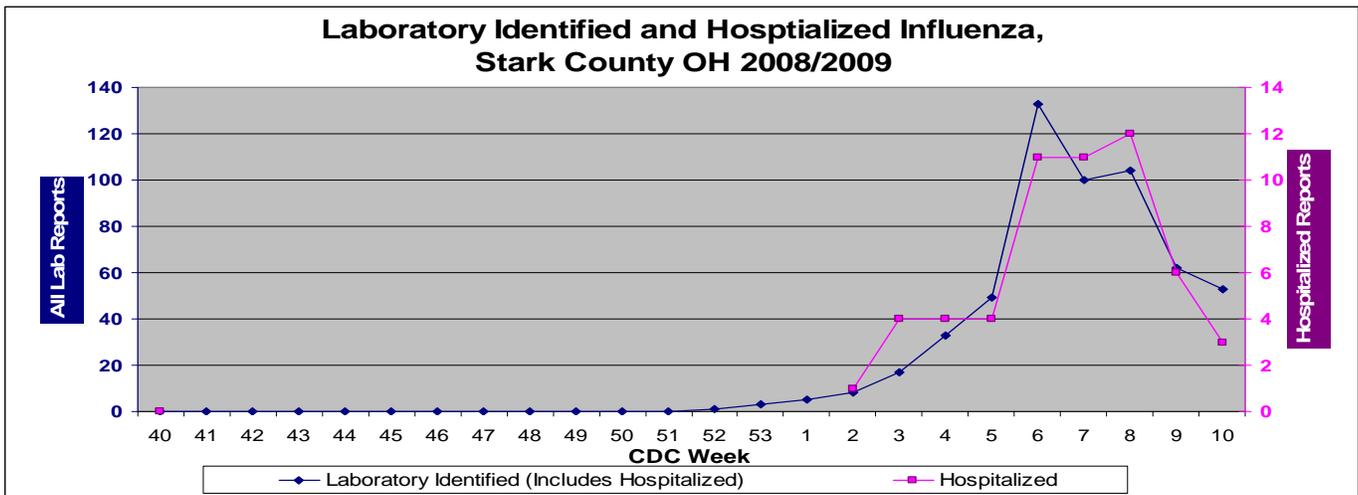
During week 10, countywide indicators confirmed steady and declining markers of influenza activity.

- In week 10, 53 individuals tested positive for influenza, a **decrease** from 62 seen in week 9: 3 were Influenza-Associated Hospitalizations and 50 were laboratory confirmed non-hospitalized. (See graphs 1 & 2)
- Currently the Ohio Department of Health Laboratory is reporting 108 positive confirmed isolates (total through 3/17/09). Circulating Strains: (74) Influenza A/ (H1N1), (34) Influenza B/Malaysia-like; 14 and 6 respectively from Stark County. Antiviral Resistance testing from the CDC indicates Influenza A (H1N1) viruses from 40 states are **resistant to oseltamivir** so far this season.
- Year-To-date reports indicate identification of **186 Type B** and **392 Type A** throughout Stark County. In week 10, Type B accounted for greater than 62% of all reports received and none of the influenza-associated hospitalizations. To date the Type B strain identified in Ohio is **NOT a match** to this year's vaccine. (See graph 3)
- Year-to-date, 579 medically identified cases have been reported in Stark County. Of those reported with age information, the age range is 1 month to 93 years with a mean of 27 years and a median of 22 years. This information differs significantly from influenza-associated hospitalizations, which have a mean of 44.5 and a median of 49.5 years. Additionally, the mean and median differ for Type A and Type B with a mean and median of 28 and 26 for Type A and 23 and 17 for Type B. Since Type B was the predominant strain in week 10, the weekly mean and median of 17.7 and 16 is lower than in previous weeks and the seasonal mean and median.
- School Absenteeism remained steady throughout week 10.
- Nationally and locally Sentinel Providers reported **slight decreases** in activity.(See Graph 4)
- Real-Time Outbreak and Disease Surveillance (RODS) data reflected **declining** sales of both Cough/Cold products and Thermometers. (See Graph 5 and 6)
- The percentage of Emergency Department visits classified as Respiratory **decreased** in week 10 as compared to week 9 from 14.77% to the current percentage of 13.79. Visits classified as Constitutional had a slight increase from 7.25% to the current 7.75%.
- Of 50 states reporting geographical influenza activity, 30 including Ohio are reporting **Widespread** activity (a **decrease** from 35 last week), Regional activity was reported by 18, and local activity was seen in 2 states (See Map)
- National Pneumonia and Influenza (P & I) Mortality Surveillance **declined** to 7.0% of all deaths reported through the 122 Cities Mortality Reporting System as due to P & I. Nationally, a total of 32 Influenza-Associated Pediatric deaths have occurred this influenza season, currently none have been confirmed in Ohio.

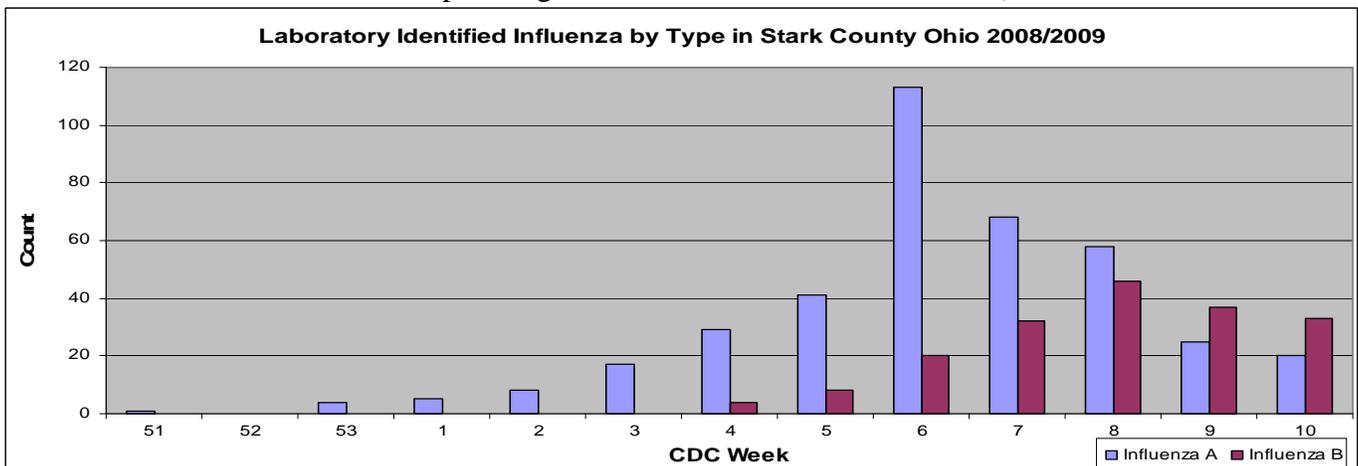
Graph 1: Number of medically identified cases of Influenza in Stark County, Ohio. (Cases reported from a medical provider or laboratory; established with a minimum of a rapid test confirmation).



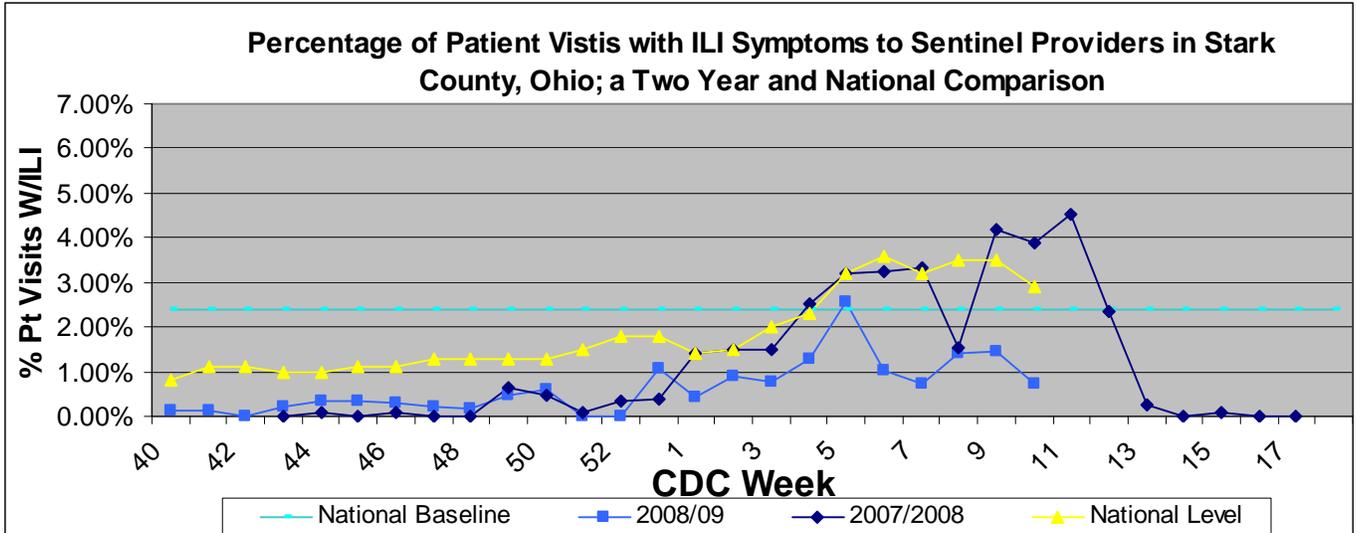
Graph 2: Number of Influenza-Associated Hospitalizations and medically identified cases of Influenza (cases reported from a medical provider or laboratory; established with a minimum of rapid test confirmation).



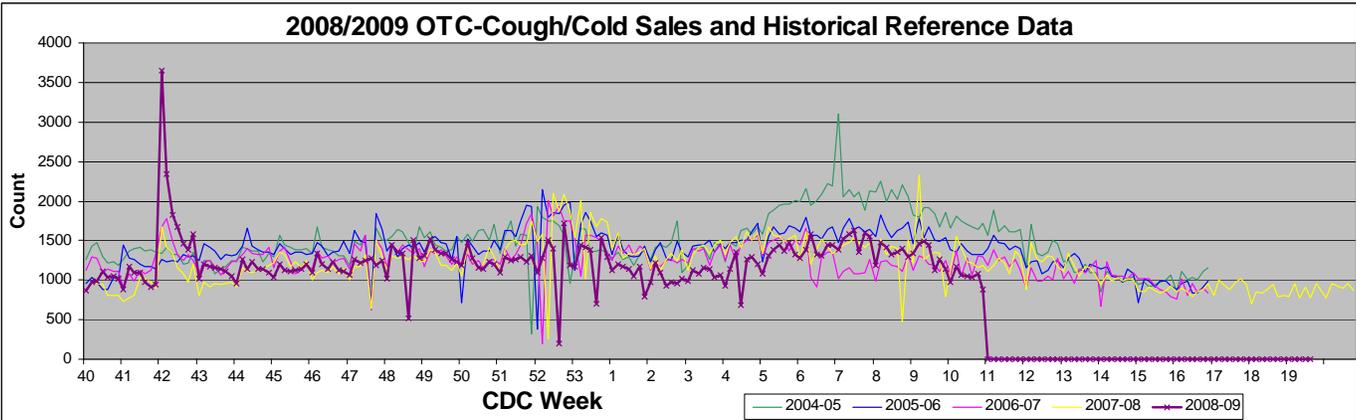
Graph 3: Laboratory Identified Influenza by Type in Stark County Ohio 2008/2009. (Laboratory identified includes Commercial Rapid Diagnostic Kits, EIA and Viral Cultures)



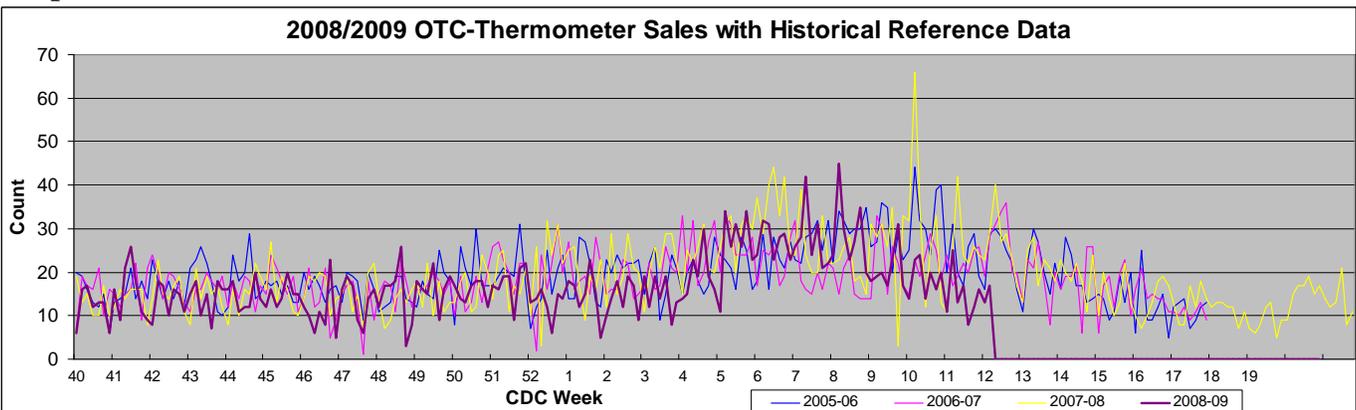
Graph 4: Sentinel Provider visits for ILI in Stark County Ohio and the Nation.



Graph 5 Sales of Over-The-Counter Cough and Cold Medications, as reported by RODS.



Graph 6 Sales of Over-The-Counter Thermometers



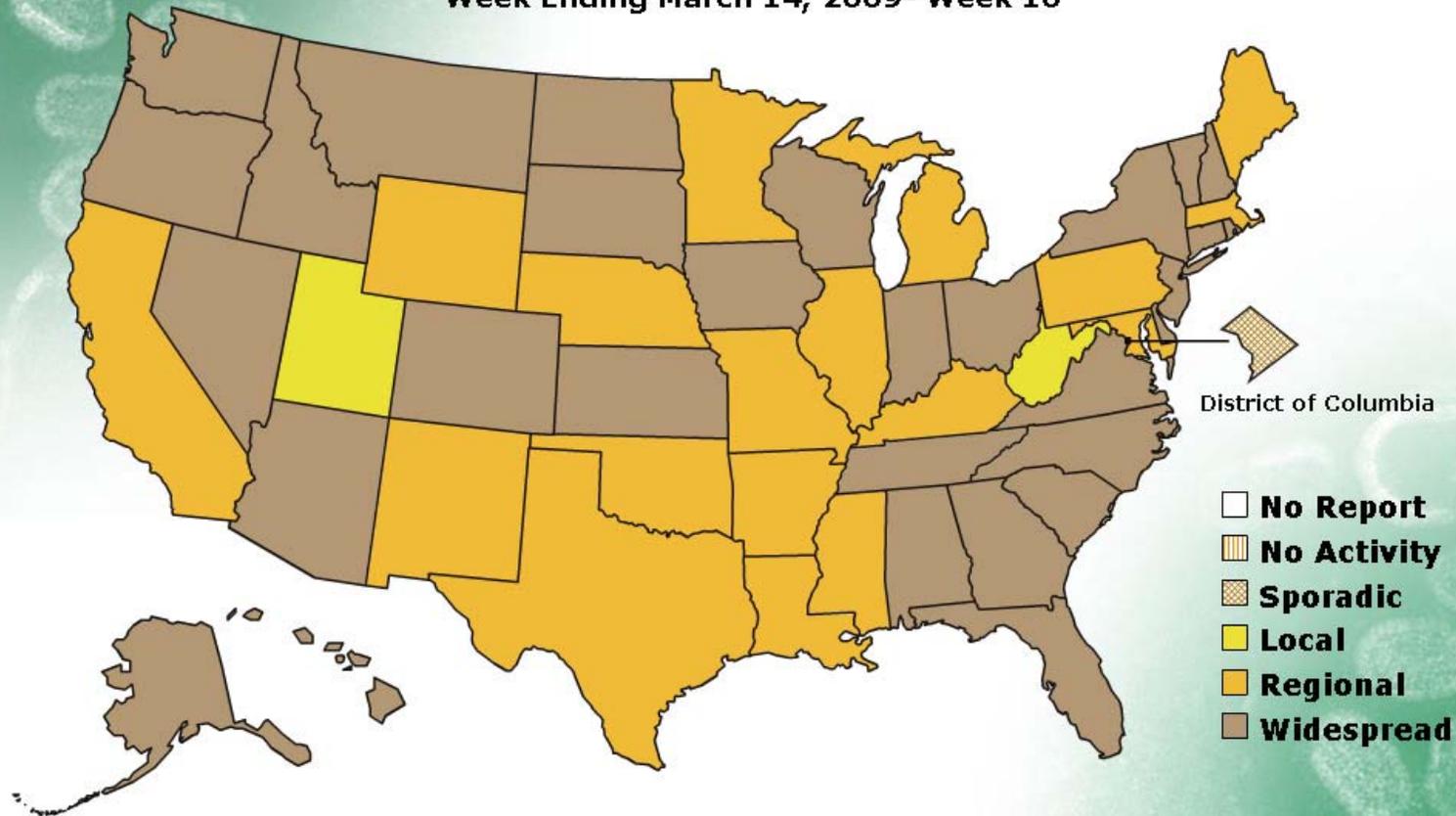
Map: National Influenza Activity. Source www.cdc.gov/flu/weekly



FLUVIEW

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

Week Ending March 14, 2009- Week 10



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