



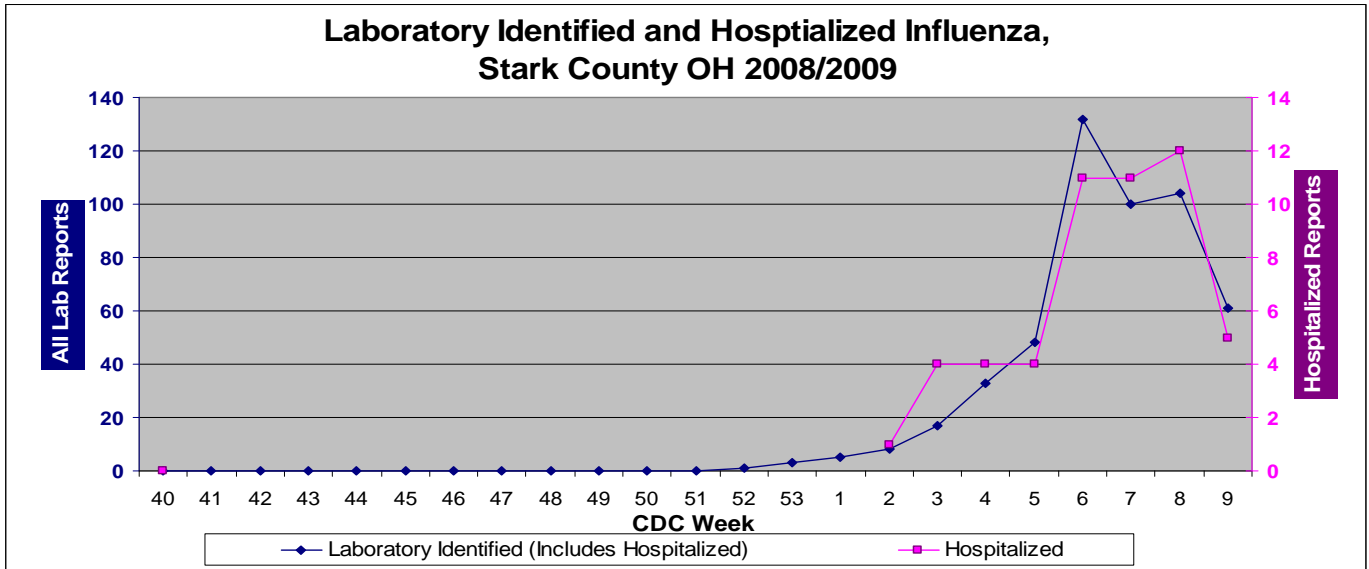
STARK COUNTY INFLUENZA SNAPSHOT, WEEK 09

Week ending 7 March, 2009. With updates through 03/15/2009.

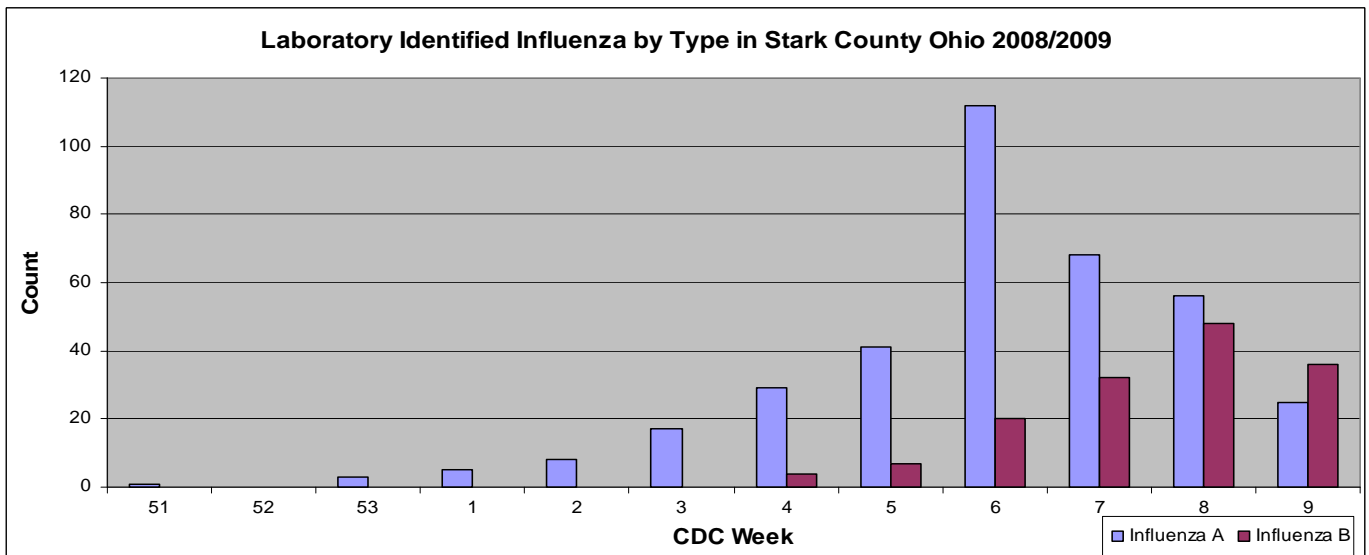
During week 09, countywide indicators confirmed steady and declining markers of influenza activity.

- In week 9, 61 individuals tested positive for influenza, a **decrease** over the 104 seen in week 8: 5 were Influenza-Associated Hospitalizations and 56 were laboratory confirmed non-hospitalized. (See graph 1)
- Currently the Ohio Department of Health Laboratory is reporting 93 positive confirmed isolates (total through 3/10/09). Circulating Strains: (66) Influenza A/ (H1N1), (27) Influenza B/Malaysia-like; 14 and 6 respectively from Stark County. Antiviral Resistance testing from the CDC indicates Influenza A (H1N1) viruses from 37 states are **resistant to oseltamivir** so far this season.
- Year-To-date reports indicate identification of **147 Type B** and **365 Type A** throughout Stark County. In week 9, Type B accounted for greater than 59% of all reports received and 60% 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 2)
- Year-to-date, 523 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 26 years and a median of 22 years. This information differs significantly from influenza-associated hospitalizations, which have a mean of 44 and a median of 49 years.
- School Absenteeism saw little change during week 9. (See Graph3)
- Nationally and locally Sentinel Providers reported **steady activity**.(See Graph 4)
- Real-Time Outbreak and Disease Surveillance (RODS) data reflected stable sales of Cough/Cold products. (See Graph5)
- The percentage of Emergency Department visits classified as Respiratory and Constitutional **decreased** in week 9 as compared to week 8: 14.77% from 15.29% and 7.25% from 8.59% respectively. (See Graph 6)
- Of 48 states, 35 including Ohio are reporting **Widespread** Influenza activity (up from 31 last week), Regional activity was reported by 14, and local activity in one. (See Map)
- National Pneumonia and Influenza (P & I) Mortality Surveillance remained steady at 7.2% of all deaths reported through the 122 Cities Mortality Reporting System as due to P & I. Nationally, a total of 26 Influenza-Associated Pediatric deaths have occurred this influenza season, none in Ohio. Note: bacterial confections were confirmed in **18 of 24** pediatric deaths.

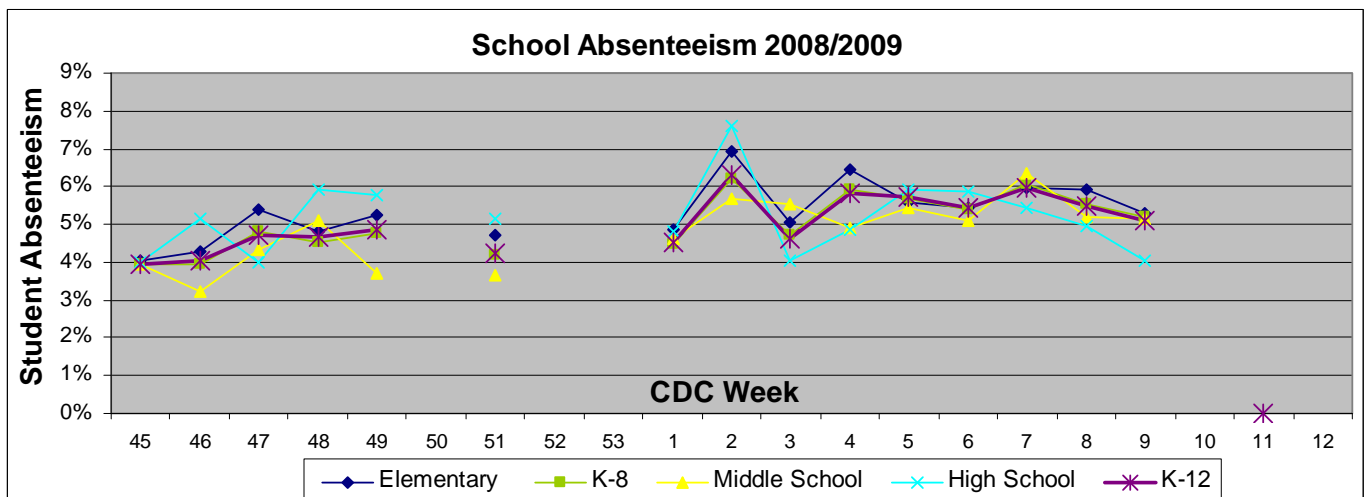
Graph 1: Number of Influenza-Associated Hospitalizations and medically identified cases of Influenza (cases reported from a medical provider or laboratory; established with a minimum of rapid test confirmation).



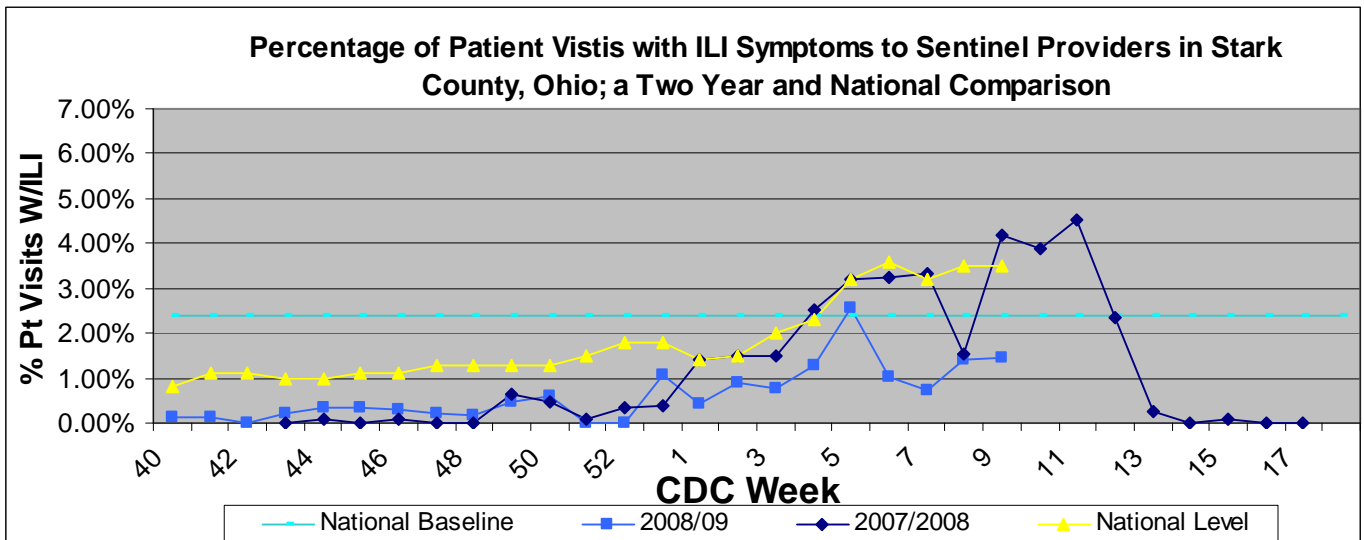
Graph 2: Laboratory Identified Influenza by Type in Stark County Ohio 2008/2009. (Laboratory identified includes Commercial Rapid Diagnostic Kits, EIA and Viral Cultures)



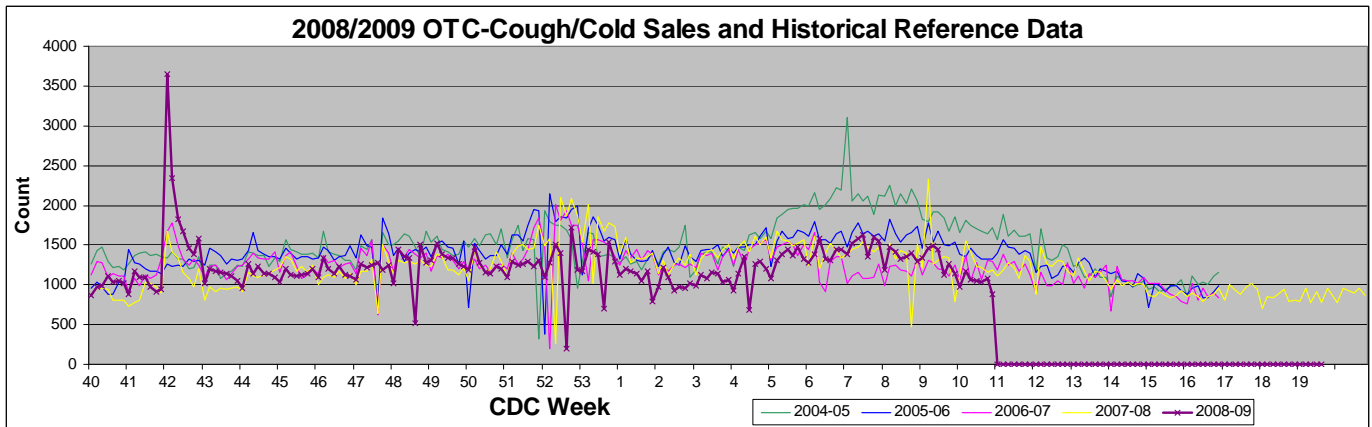
Graph 3: School Absenteeism. (School reports are primarily from the Alliance and Canton city areas.)



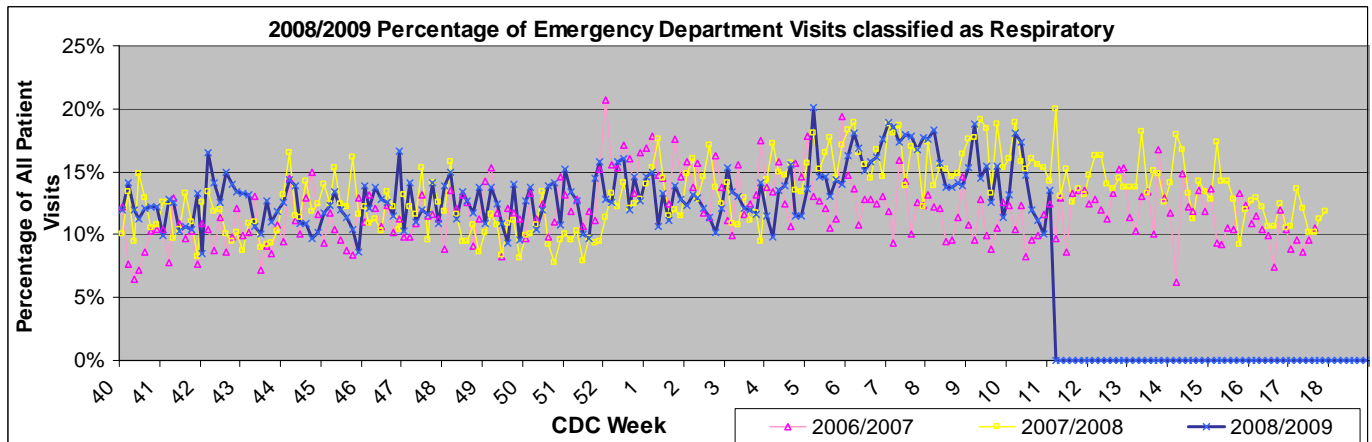
Graph 4: Sentinel Provider visits for ILI in Stark County Ohio and the Nation.



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



Graph 5 Percentage of Emergency Department Visits classified as Respiratory, as reported by HMS



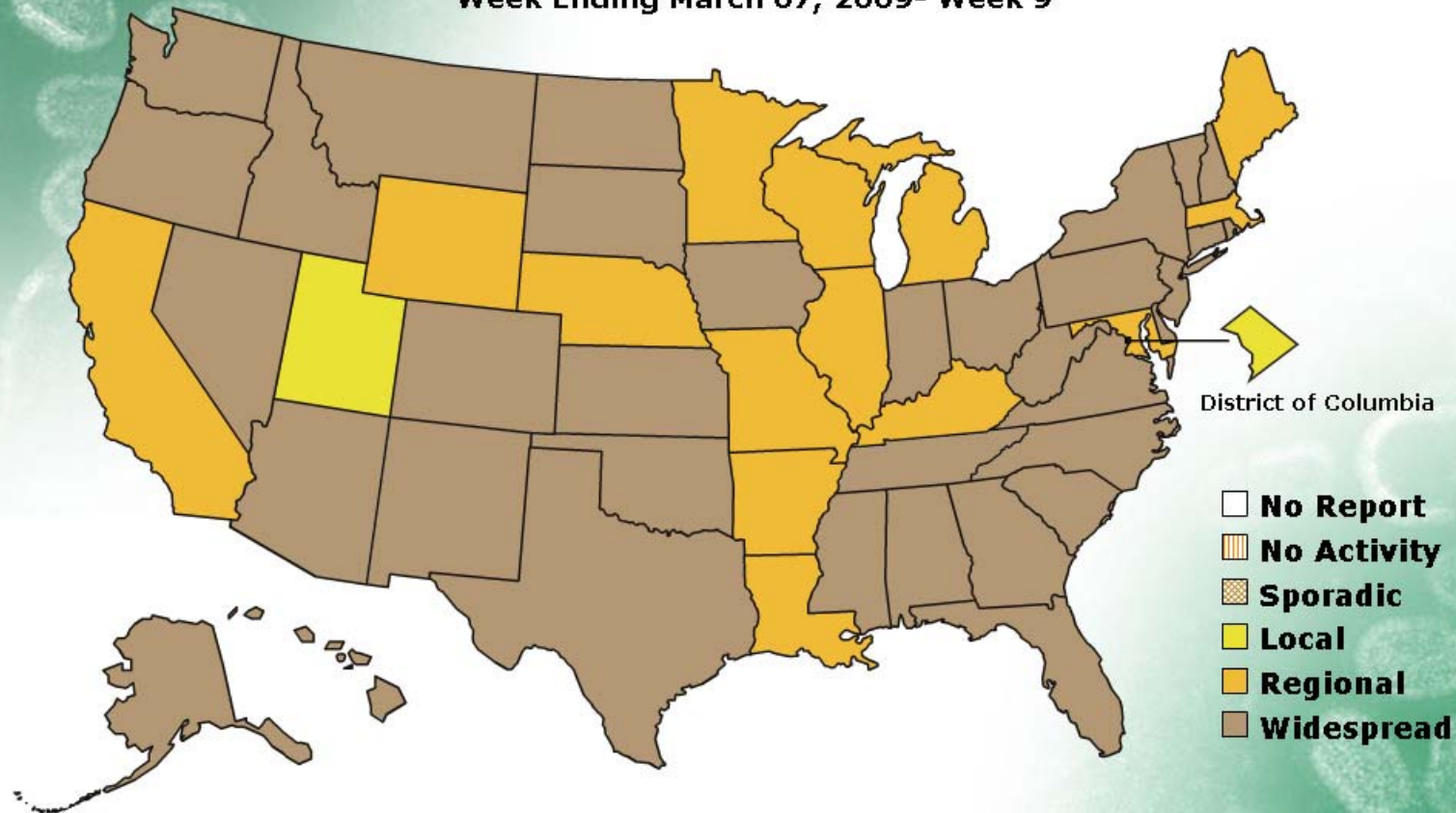
Map: National Influenza Activity. Source www.cdc.gov/flu/weekly



FLUVIEW

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

Week Ending March 07, 2009- Week 9



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