



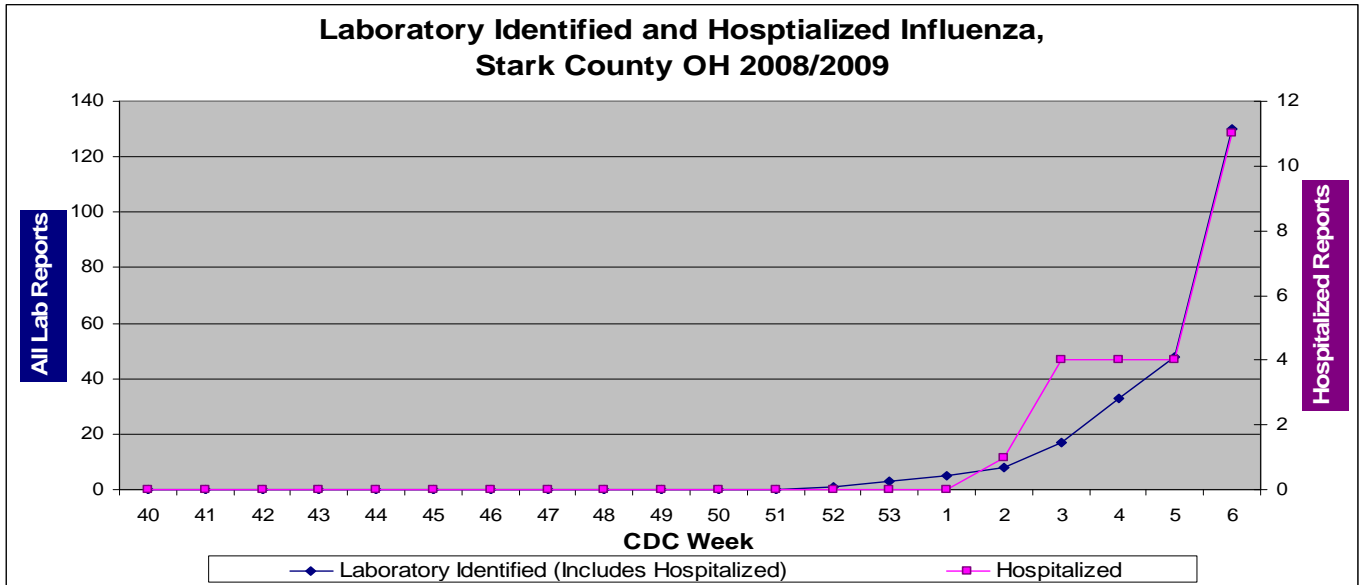
## STARK COUNTY INFLUENZA SNAPSHOT, WEEK 06

Week ending 14 February, 2009. With updates through 02/23/2009.

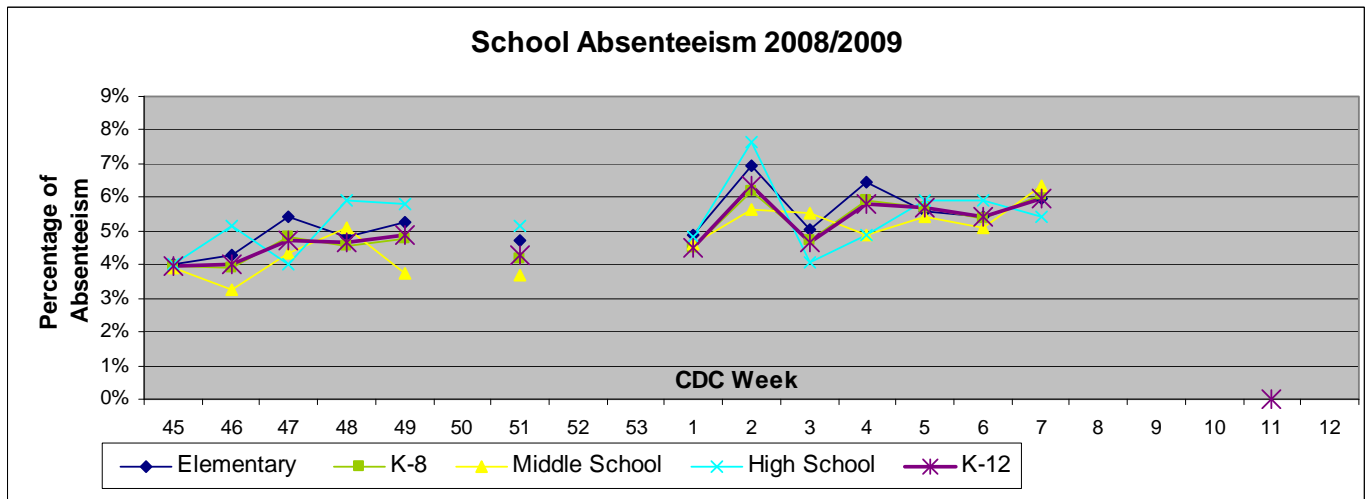
During week 06, Stark County indicators revealed continued evidence of increasing influenza activity.

- During week 6 the four Public Health Departments in Stark County received 130 (up from 48 in week 5) Influenza reports: **11 Influenza-Associated Hospitalization and 119 laboratory confirmed non hospitalized.** (See Graph1- NOTE: A change in the graph, there are two axis, one for the hospitalized on the right and one for all lab confirmed on the left)
- Year-To-date there are reports of **57 (>20%) Type B** and **273 Type A** influenza and two were unidentified. Note: to date the Type B strain identified in Ohio is **NOT a match** to this year's vaccine.
- Year-to-date, 332 medically identified cases have been reported in Stark County. Of those reported with age information, the age range is 1 month to 80 years with an increased mean of 26 years and a median of 22 years. **OF NOTE:** although very few reports of individuals 65 and greater have been reported this year, current evidence suggests that this age group is **4 times** more likely to be hospitalized than any other group.
- School Absenteeism saw little change during week 6. (See Graph2)
- Nationally Sentinel Providers reported **increasing activity**. Locally the decrease is likely due to missing data, as only two providers completed their weekly report(See Graph3)
- Real-Time Outbreak and Disease Surveillance (RODS) data reflected a small **increase** (4%) in sales of Cough/Cold products. (See Graph4)
- **Widespread** Influenza activity is being reported in 24 (up from 16 last week) states, including Ohio, Regional activity was reported by 13 states, Local activity by 11 and Sporadic activity by 2. (See Map)
- National Pneumonia and Influenza (P & I) Mortality Surveillance reported an **increase** to 6.8% of all deaths reported through the 122 Cities Mortality Reporting System as due to P & I. This is below the National threshold of 8.0%. A total of **5 Influenza-Associated Pediatric deaths** have occurred this year for a total of 9 this season in the Nation, with none in Ohio. Note: **six of the nine** were confirmed to have bacterial co infections.
- National Antiviral Resistance: Testing was completed with isolates from 33 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 50 positive confirmed isolates (total through 2/10/09). Circulating Strains: (39) Influenza A/ (H1N1), (11) Influenza B/Malaysia-like; 13 and 4 respectively from Stark County
- National Vaccine Coverage: of 390 influenza viruses with antigenic characterization, 239 influenza A (H1) viruses are related to the influenza A (H1N1) component of the 2008-09 influenza vaccine (A/Brisbane/59/2007). Thirty-seven influenza A (H3N2) viruses are related to the A (H3N2) vaccine component (A/Brisbane/10/2007). Thirty-three influenza B viruses tested belong to the B/Yamagata lineage and are related to the vaccine strain (B/Florida/04/2006). The remaining 81 viruses belong to the B/Victoria lineage (which includes the B/Malaysia seen in Ohio) and are **not related to the vaccine** strain.

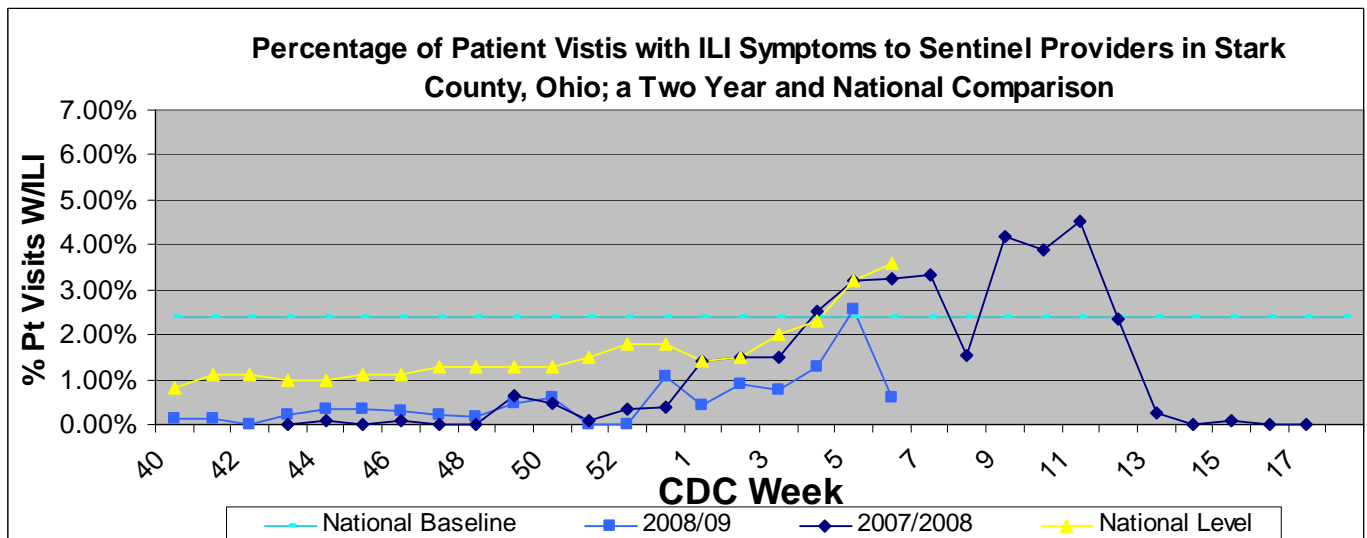
**Graph 1:** Number of Influenza-Associated Hospitalizations and medically identified cases of Influenza (cases reported from a medical provider or laboratory; established with a minimum of rapid test confirmation).



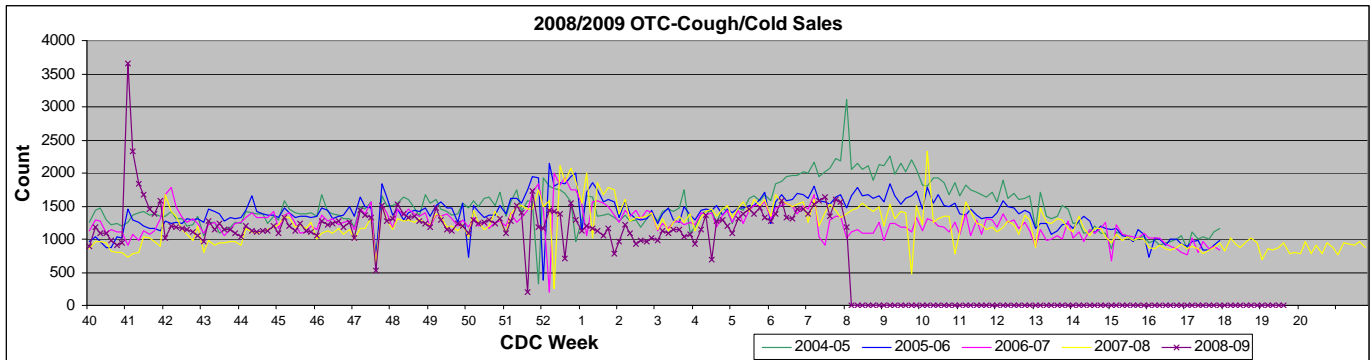
**Graph 2:** School Absenteeism.



**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.



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

