



## STARK COUNTY INFLUENZA SNAPSHOT, WEEK 14

Week ending 11 April, 2009. With updates through 04/18/2009.

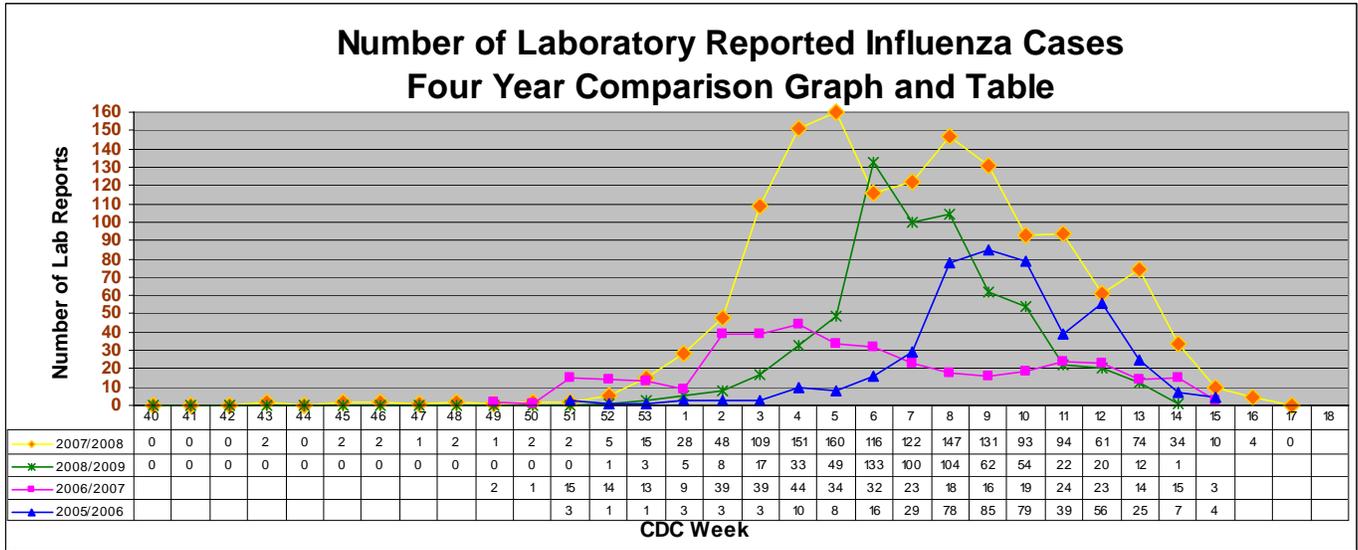
During week 14, countywide, state and national indicators confirmed declining markers of influenza activity.

- In week 14, only 1 individual tested positive for influenza, a **decrease** from 12 seen in week 13. For the 4th week there were **NO** Influenza-Associated Hospitalizations reported. (See graphs 1 & 2)
- Currently the Ohio Department of Health Laboratory is reporting 144 positive confirmed isolates (total through 4/14/09). Circulating Strains: (89) Influenza A/ (H1N1), (55) Influenza B/Malaysia-like; 14 and 6 respectively from Stark County. Antiviral Resistance testing from the CDC indicates Influenza A (H1N1) viruses from 43 states are resistant to **oseltamivir** this season. All oseltamivir resistant viruses tested are sensitive to adamantanes. Additionally, the adamantanes (amantadine and rimantadine) are not effective against influenza B viruses.
- Year-To-date reports indicate identification of **407 Type A and 220 Type B** viruses throughout Stark County. In week 14, the only report received was a Type B. To date, the Type B strain identified in Ohio is **NOT a match** to this year's vaccine. (See graph 3)
- Year-to-date, 627 medically identified cases have been reported in Stark County, of which 60 were hospitalized. 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 22.5 years. This information differs significantly from influenza-associated hospitalizations, which have a mean of 45.6 and a median of 49 years.
- Only two local Sentinel Providers provided ILI data during week 14. Both of these providers had zero visits for ILI. Nationally sentinel Providers continue to report low levels of influenza like activity. National Sentinel activity is below the baseline. (See Graph 4)
- Real-Time Outbreak and Disease Surveillance (RODS) data reflected **declining** sales of both thermometers and Cough/Cold products. (See Graph 5)
- The percentage of Emergency Department visits classified as Respiratory **increased** in week 14, while the visits classified as Constitutional **declined**. The combined data indicates an overall, but slight **increase** in ILI activity in Emergency Departments. (See Graph 6)
- Fifty states reported their geographical influenza activity with only 1 reporting Widespread activity (a **decrease** from 4 last week), Regional activity was reported by 14, Local activity was seen in 22 states, and **Sporadic** activity was reported in 12 states, including Ohio. (See Map)

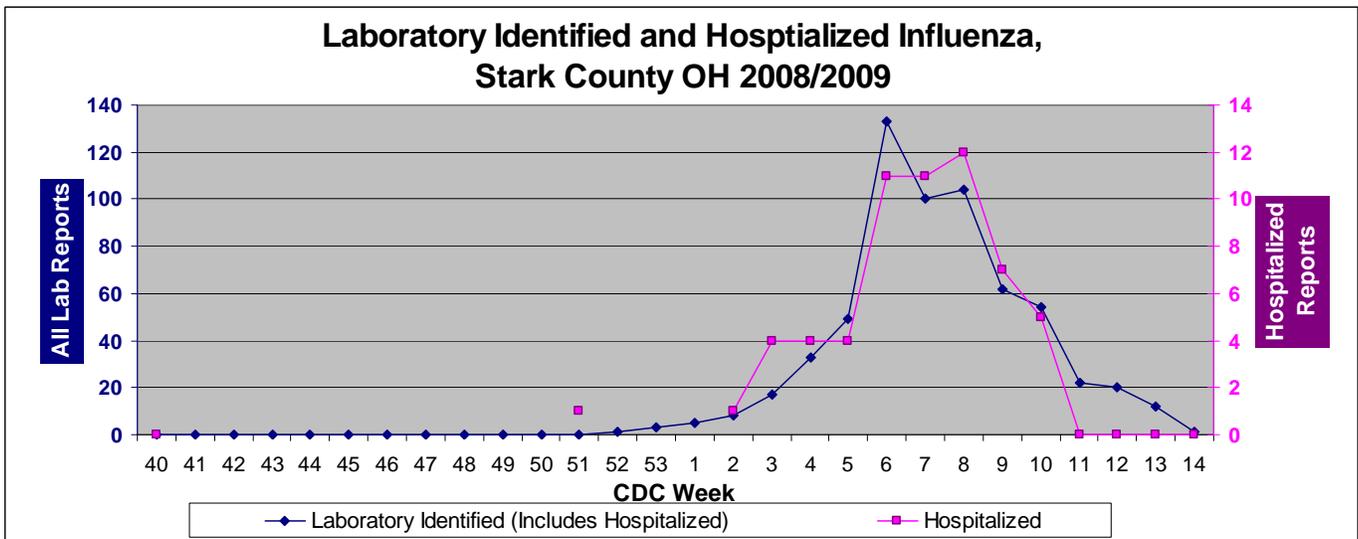
Definition of Local Activity currently reported in Ohio: Small numbers of laboratory-confirmed influenza cases or a single laboratory-confirmed influenza outbreak has been reported, but there is no increase in cases of ILI.

- National Pneumonia and Influenza (P & I) Mortality Surveillance **increased** slightly to 7.8% of all deaths reported through the 122 Cities Mortality Reporting System as due to P & I. This percentage is **equal** to the epidemic threshold of 7.8% for week 14.
- Ohio is reporting **three** confirmed influenza-associated pediatric mortalities: one from Hamilton County with influenza A, one from Summit County with influenza A, and one from Brown County with influenza B (through 4/14/09). Since September 28, 2008, CDC has received 53 reports of influenza-associated pediatric deaths that occurred during the current season.

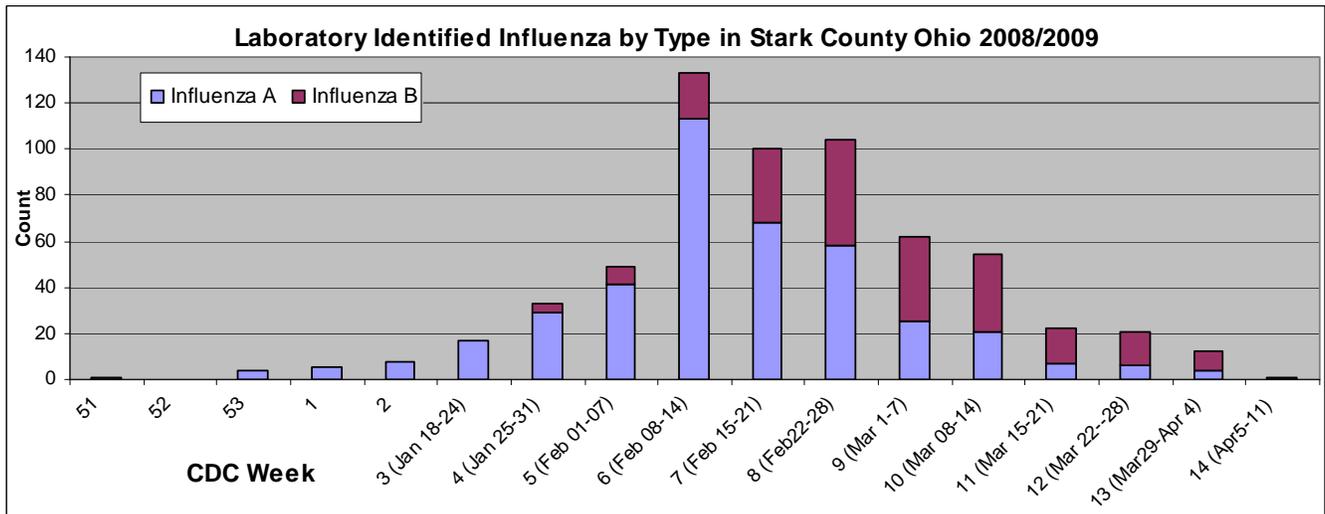
**Graph 1:** Number of medically identified cases of Influenza in Stark County, Ohio. (Cases reported from a medical provider or laboratory; established with a minimum of a rapid test confirmation).



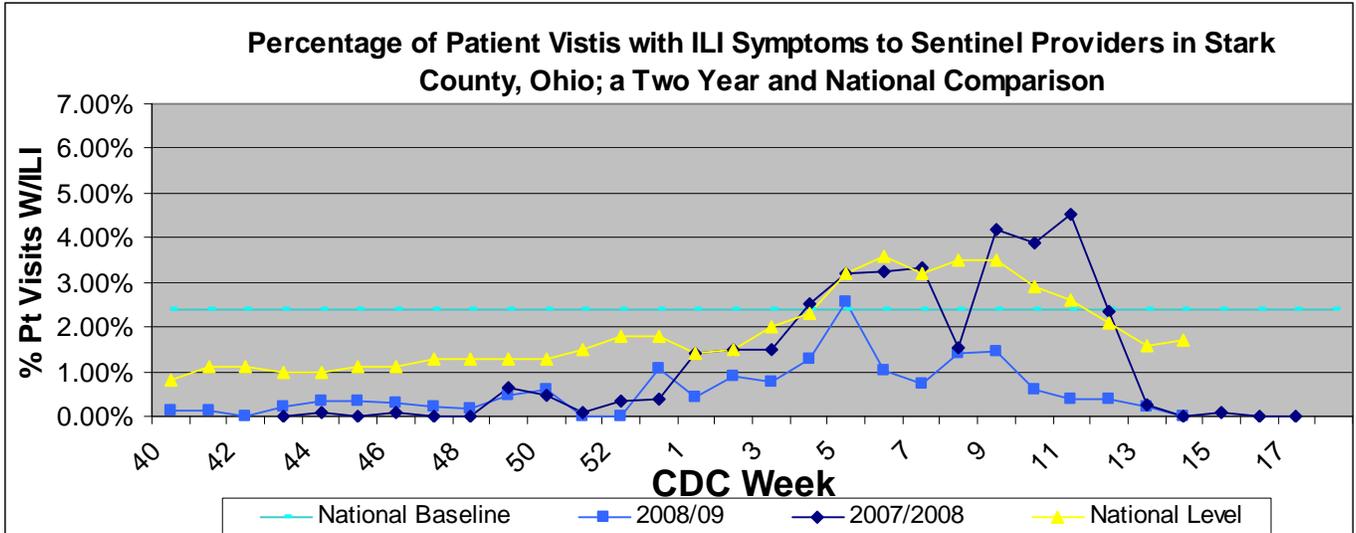
**Graph 2:** Number of Influenza-Associated Hospitalizations and medically identified cases of Influenza (cases reported from a medical provider or laboratory; established with a minimum of rapid test confirmation).



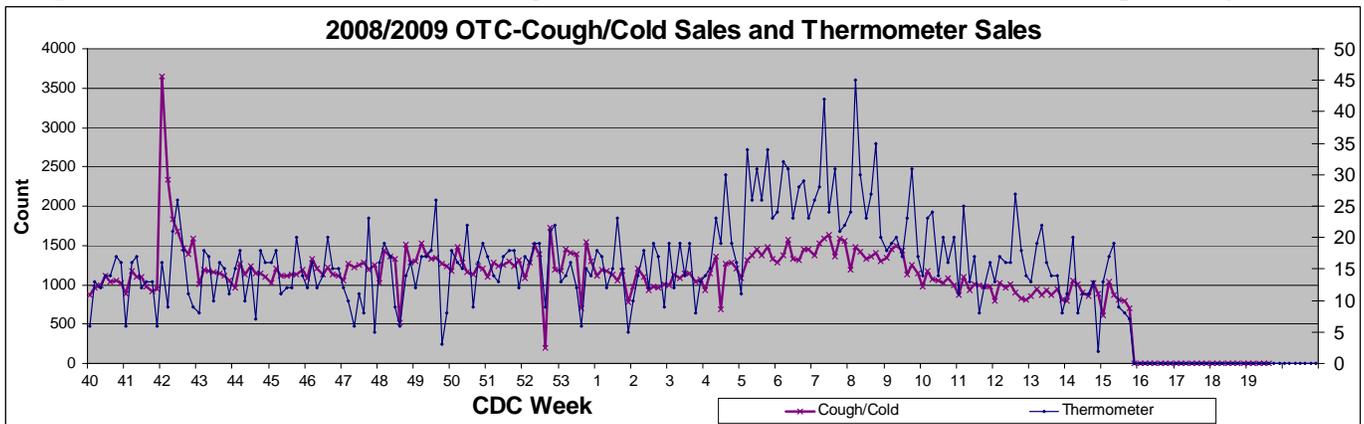
**Graph 3:** Laboratory Identified Influenza by Type in Stark County Ohio 2008/2009. (Laboratory identified includes Commercial Rapid Diagnostic Kits, EIA and Viral Cultures)



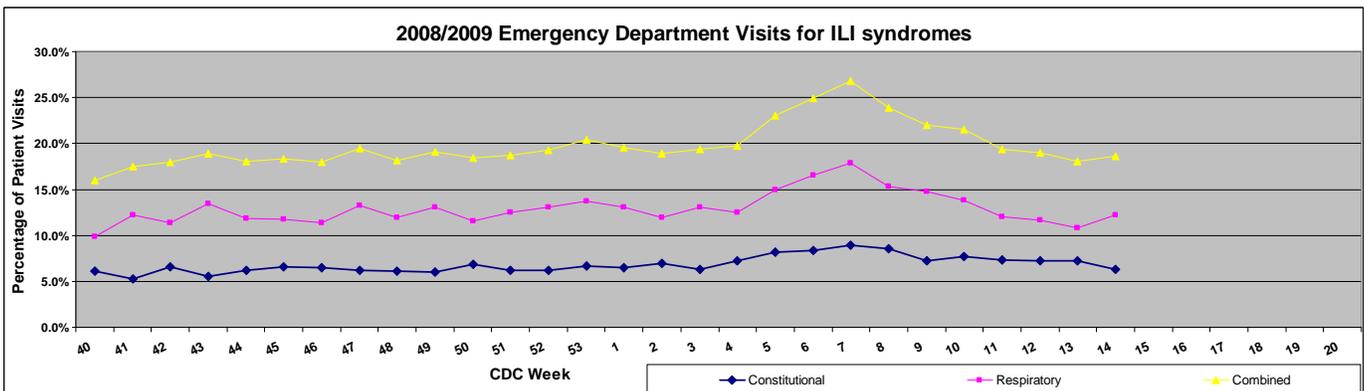
**Graph 4:** Sentinel Provider visits for ILI in Stark County Ohio and the Nation.



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



**Graph 6** 2008/2009 Emergency Department visits for syndromes associated with influenza like illness (Constitutional, Respiratory, and Combined)



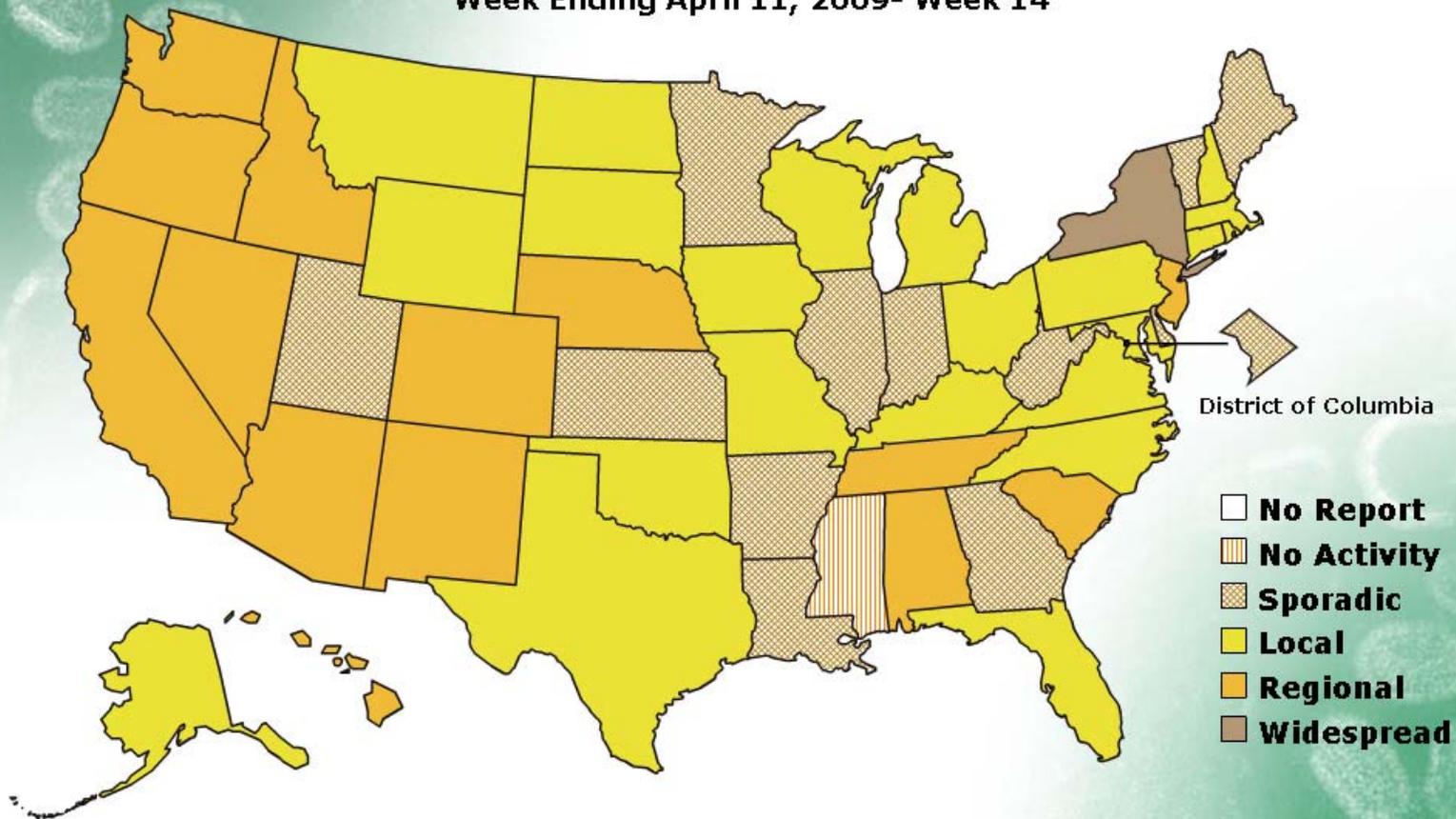
Map: National Influenza Activity. Source [www.cdc.gov/flu/weekly](http://www.cdc.gov/flu/weekly)

# FLUVIEW



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

**Week Ending April 11, 2009- Week 14**



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