



STARK COUNTY INFLUENZA SNAPSHOT, WEEK 19

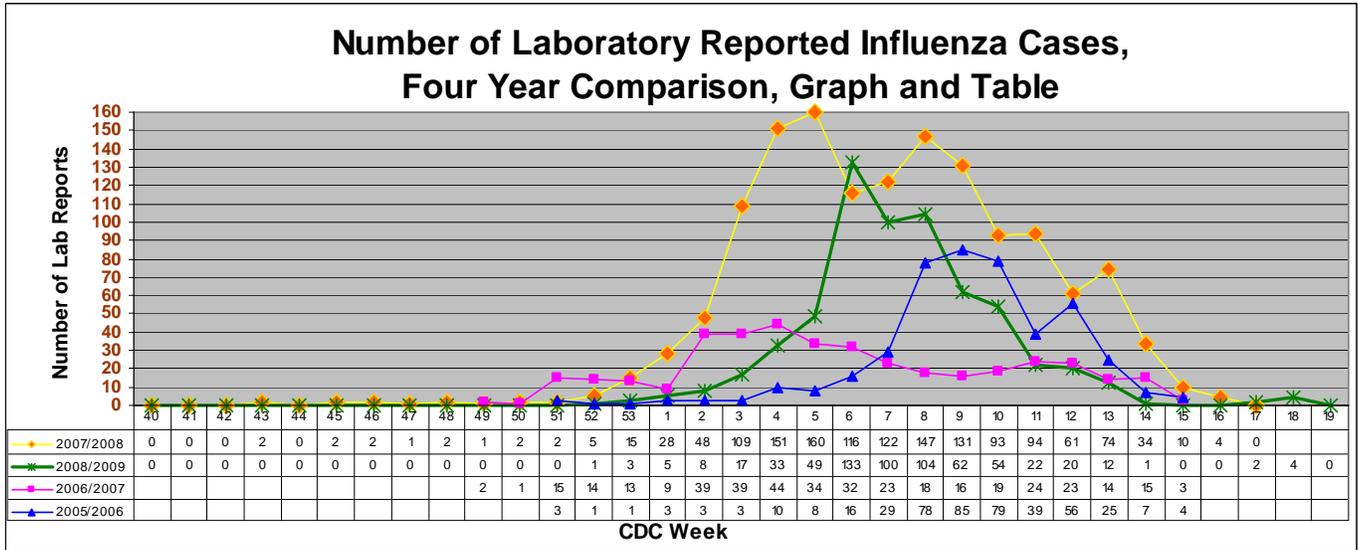
Week ending 16 May, 2009. With updates through 05/26/2009.

During week 19, countywide and state indicators confirmed very low markers of seasonal influenza activity, and many National indicators also indicated declining activity.

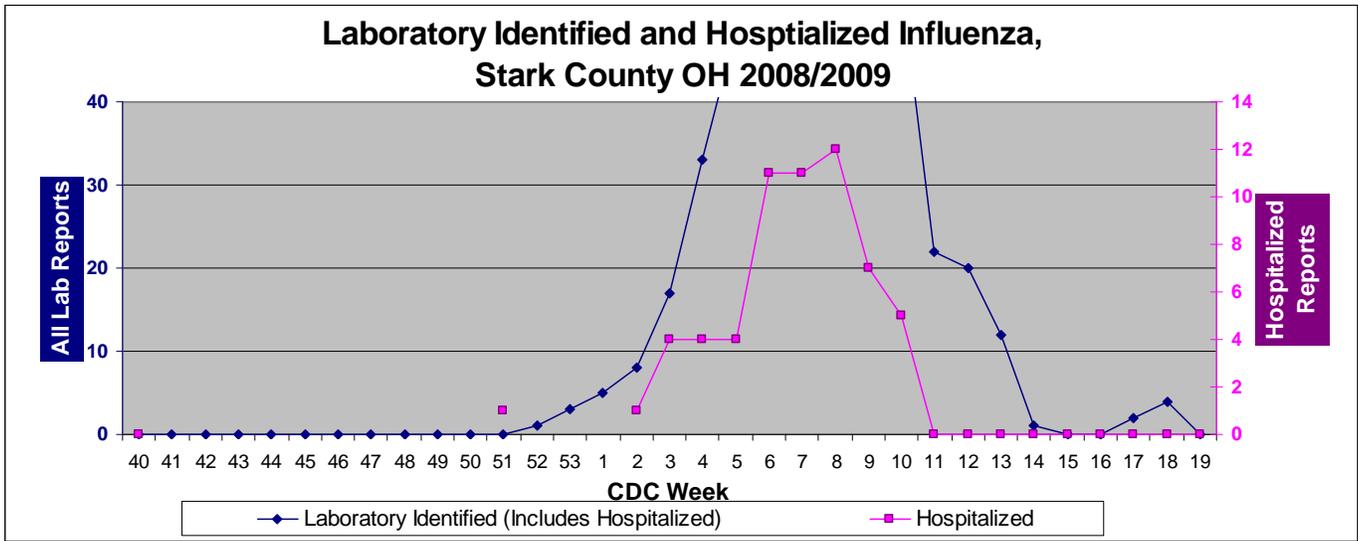
18 Cases of *Novel Influenza A (H1N1)* (referred to as *Novel H1N1*) have been confirmed in Ohio with none in Stark County.

- ***Novel H1N1* summary of Ohio Cases:**
 - Cases range in age from 9 to 47 years with a mean of 23.8 and a median of 21 years.
 - They are primarily White (88%, 14/16) and Non Hispanic (86%, 12/14).
 - Dates of onset range from 04/22/2009 to 05/19/2009.
 - Predominant Symptoms include Cough 94%, Fever 89%, and Sore Throat 67%. Other symptoms include Headache (33%), Diarrhea (17%) and shortness of breath (22%).
 - The Franklin County area has 9 of the 18 confirmed cases and includes a cluster of at least 6 cases. Other cases are from Butler, Clark, Cuyahoga, Hamilton, Fulton, Holmes, Lorain, and Portage Counties.
 - No travel history to Mexico was reported in patients with a date of onset after 04/27/2009 (11/18) and of those that had reported dates of onset of 04/22/2009-04/27/2009, 5 of 6 reported a history of travel to Mexico, California or Arizona.
- In week 19, there continues to be **NO** confirmed reports of *Novel H1N1* in Stark County. Also in week 19 there were no reports of seasonal influenza reported to area health departments (See graph 1 and 2)
- Circulating Strains of Influenza virus in Ohio include the *Novel H1N1*, Influenza A/H1, Influenza **A/H3**, and Influenza B. Nationally approximately 73% of all influenza viruses being detected are *novel H1N1*.
- Antiviral Resistance testing from the CDC indicates the adamantanes (amantadine and rimantadine) are **not** effective against the newly identified *Novel H1N1* strain and influenza A (H3N2) as well as the influenza B viruses. All adamantanes resistant viruses are sensitive to oseltamivir. Additionally, Influenza A (H1N1) viruses are resistant **to oseltamivir** this season.
- A small increase in school absenteeism was observed, however the levels remain well below the seasonal influenza season. (see graph 3)
- Three Local Sentinel Providers provided ILI data during week 19 and reported few visits for ILI. Nationally sentinel Providers reported visits below baseline levels. (See Graph 4)
- Real-Time Outbreak and Disease Surveillance (RODS) data reflected **declining** sales of Thermometers, and low and **steady** sales of Cough/Cold products. (See Graph 5)
- The percentage of Emergency Department visits classified as Constitutional and Respiratory **remained steady** in week 19.
- Ohio continues to report **Sporadic** influenza activity. (Sporadic=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). Note: 5 states continue to report Widespread geographical influenza activity.
- National Pneumonia and Influenza (P & I) Mortality Surveillance **decreased** to 6.7% of all deaths reported through the 122 Cities Mortality Reporting System as due to P & I. This percentage is **below** the epidemic threshold of 7.3% for week 19.

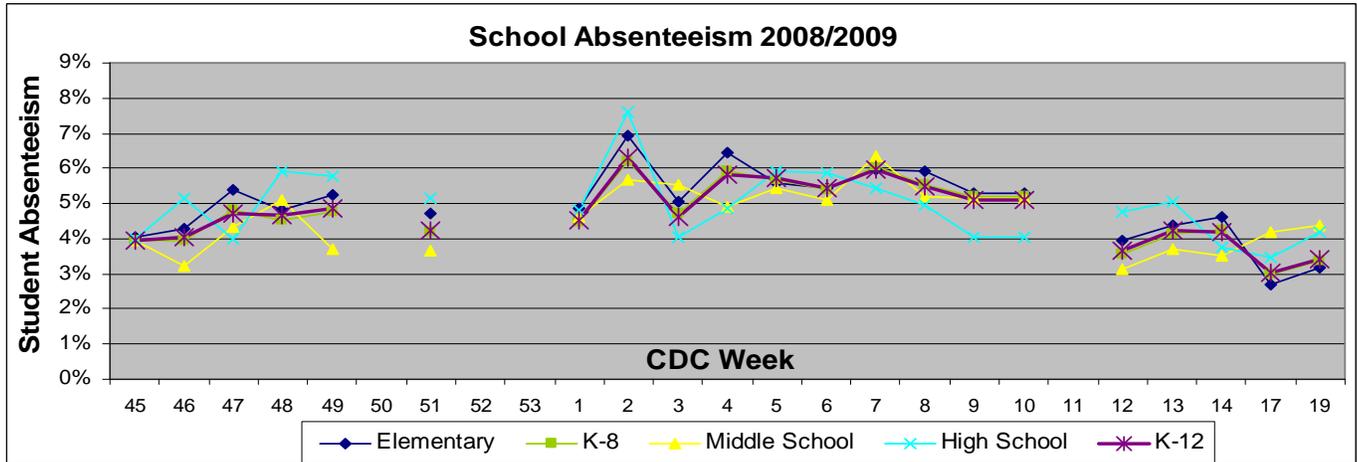
Graph 1: Number of medically identified cases of Influenza in Stark County, Ohio. (Cases reported from a medical provider or laboratory; established with a minimum of a rapid test confirmation).



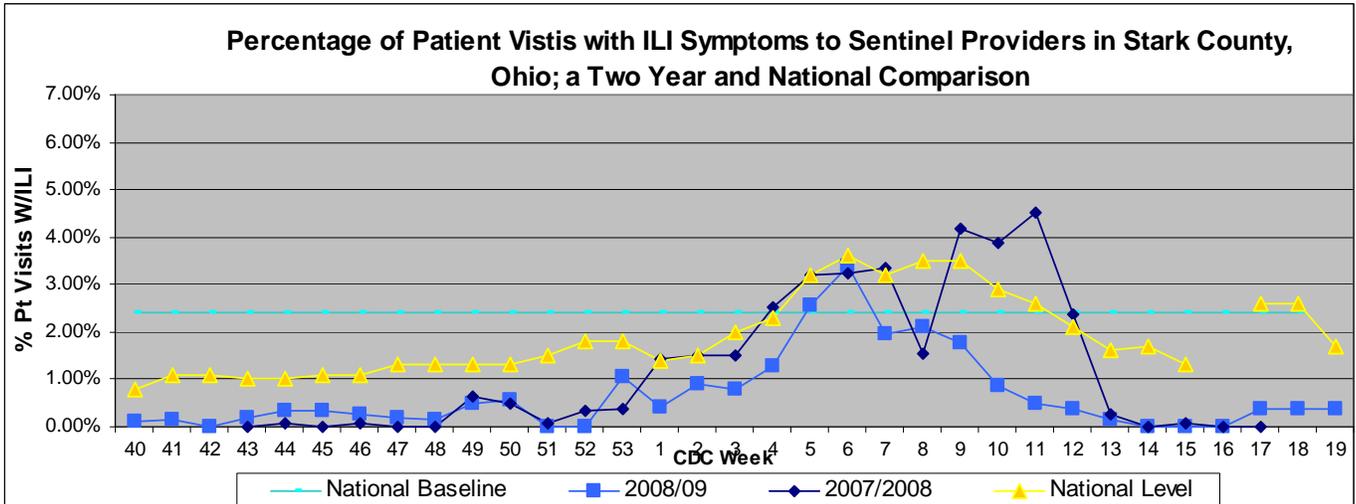
Graph 2: Number of Influenza-Associated Hospitalizations and medically identified cases of Influenza (cases reported from a medical provider or laboratory; established with a minimum of rapid test confirmation) (NOTE: the Y axis scale for All Lab Reports was adjusted in order to visualize the slight increase in the past two weeks).



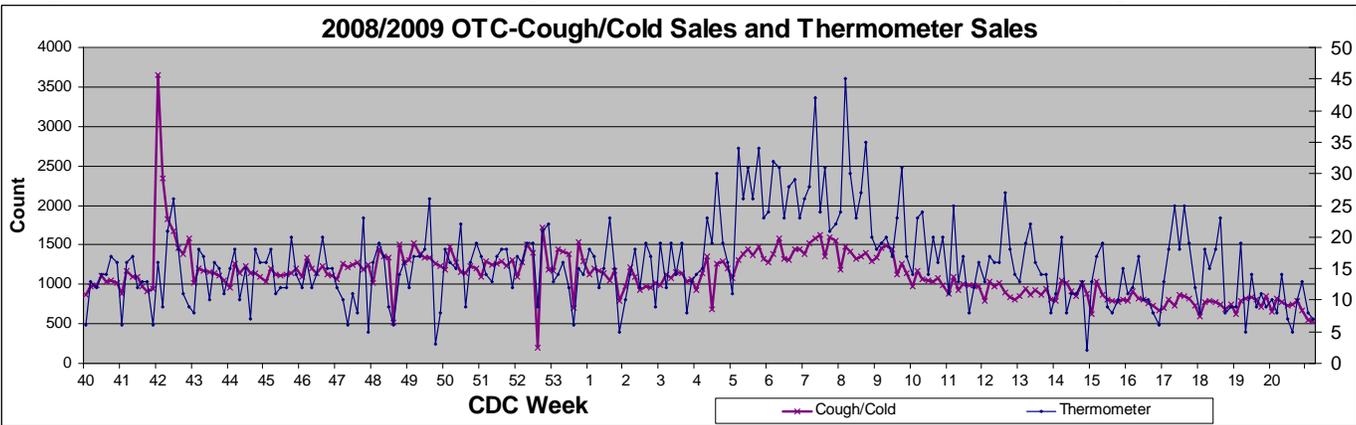
Graph 3: School Absenteeism



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.



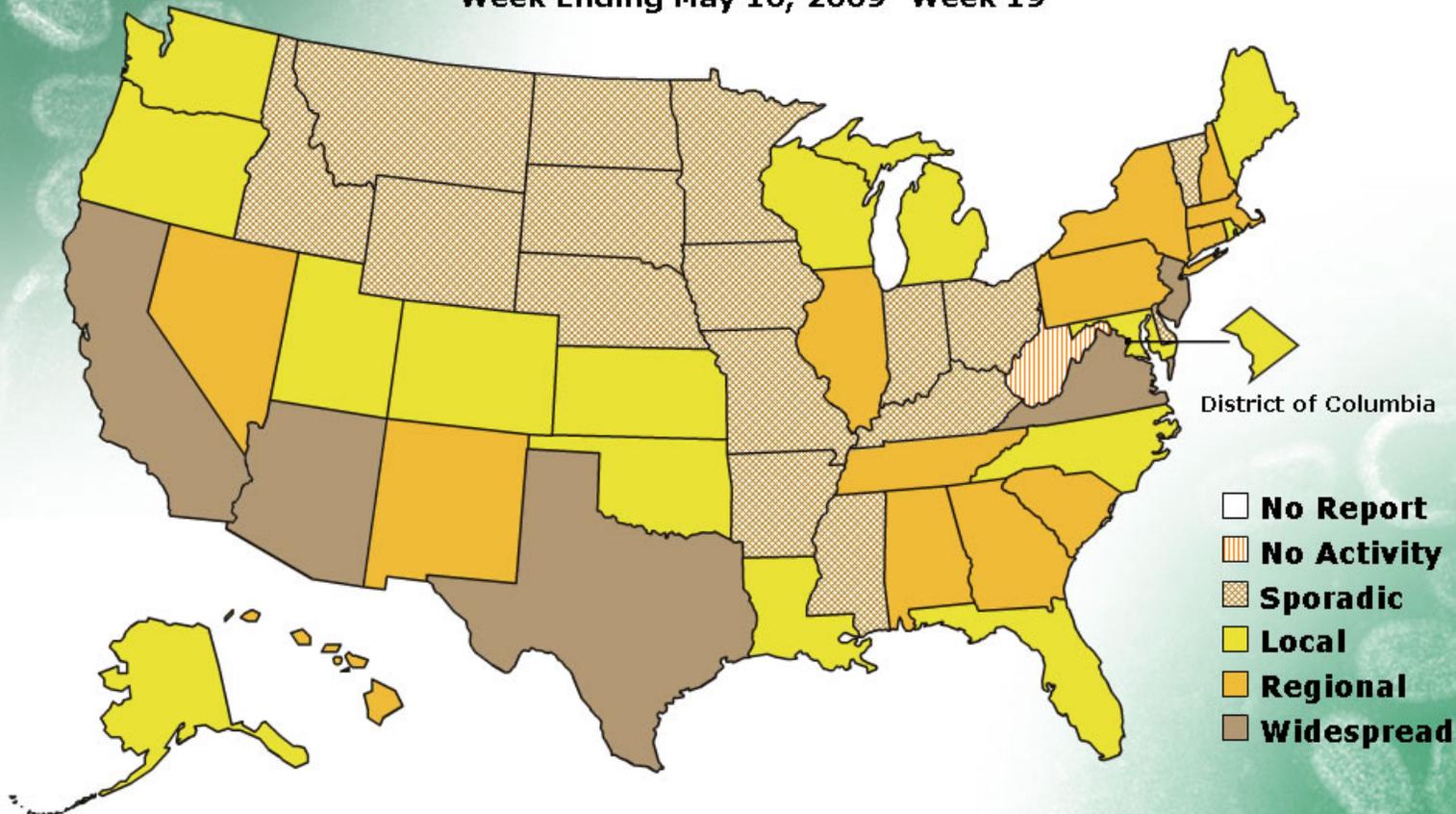
Map: National Influenza Activity. Source www.cdc.gov/flu/weekly

FLUVIEW



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

Week Ending May 16, 2009- Week 19



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