



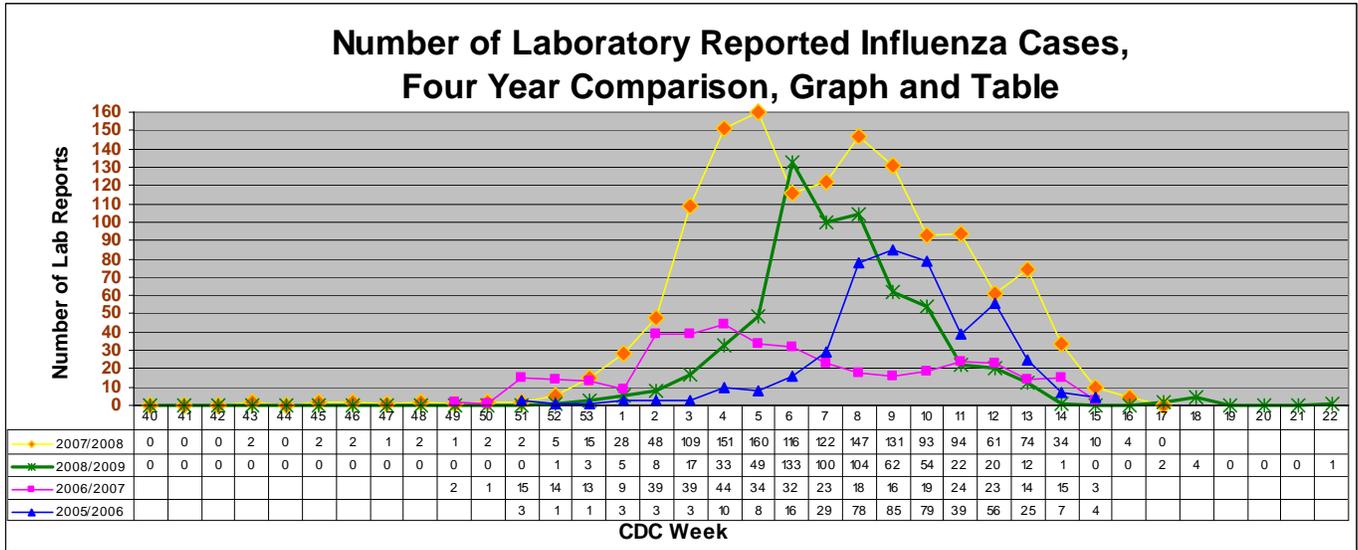
STARK COUNTY INFLUENZA SNAPSHOT, WEEK 22

Week ending 06 June, 2009. With updates through 06/14/2009.

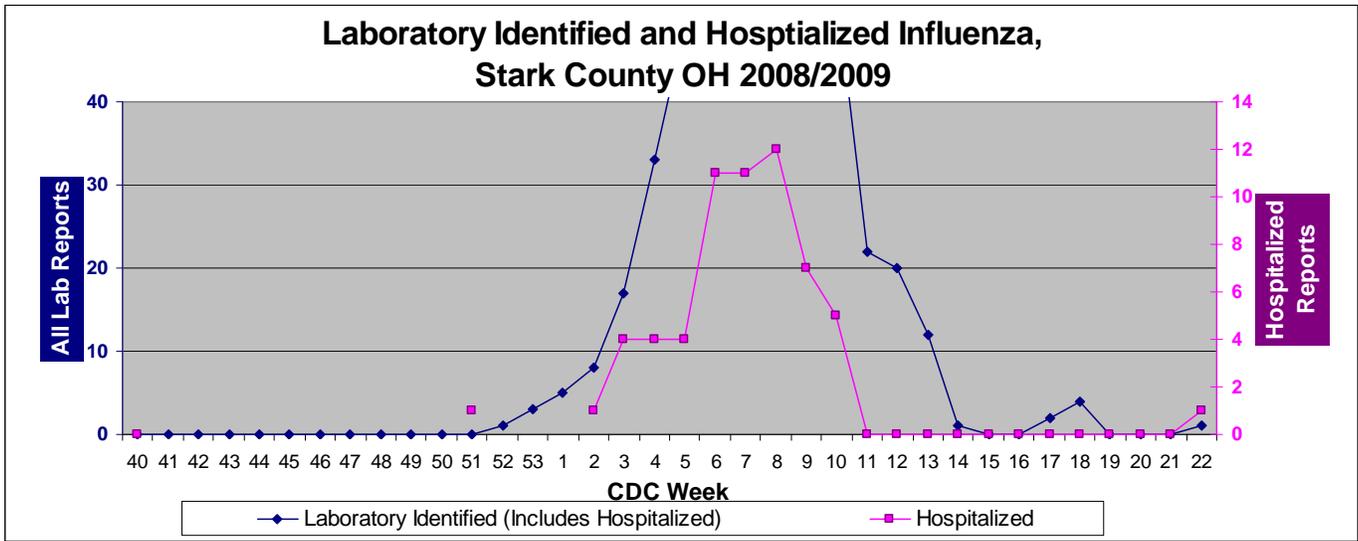
During week 22, the first case of Novel Influenza A H1N1 was identified in Stark County. Overall indicators of influenza activity remain low, however geographic spread continues. Geographic spread was also seen at an international level and reflected in the W.H.O. pandemic alert level change to Level 6, its highest level.

- **Novel H1N1 summary of Ohio Cases:** (The following represents provisional data and is subject to change)
 - Stark County **confirmed** its first case of *Novel Influenza A*. Of note is that the case was a pregnant female. Pregnant females have been noted as a high risk category for *Novel Influenza A*.
 - As of 06/14/2009, Ohio has 59 confirmed cases of *Novel Influenza A* (H1N1) in 20 of Ohio's Counties. This is an **increase** from 15 affected counties in week 21. See Map 1 for a county-by-county breakdown.
 - Cases range in age from 2 to 57 years with a mean of 21.93 and a median of 18.5 years and a mode of 13 years.
 - Cases are primarily White (76%), Non Hispanic (81%), and Male (53%).
 - Dates of onset range from 04/22/2009 to 06/05/2009.
 - Predominant Symptoms include Fever 95%, Cough 90%, Sore Throat 55%, and Headache (38%). Other symptoms include rhinorrhea, diarrhea, body aches, decreased appetite, and shortness of breath.
 - Asthma was the most noted chronic illness of Ohio cases, a theme that also appears at the national level.
 - There are three known clusters of cases in Ohio. All clusters are associated with educational facilities.
- In week 22, **ONE** case of *Novel H1N1* was confirmed in a Stark County resident. Also in week 22 there were no reports of seasonal influenza reported to area health departments (See graph 1 and 2) Note: the last case of seasonal influenza identified in Stark County was in week 13.
- Nationally, 89% of cocirculating strains of influenza (seasonal influenza A (H1), A (H3), B and *Novel* influenza) are *novel H1N1*.
- Antiviral Resistance testing from the CDC indicates the adamantanes are **not** effective against *Novel H1N1* strain and influenza A (H3N2) as well as the influenza B viruses. . Additionally, Influenza A (H1N1) viruses are resistant to **oseltamivir** this season.
- Only two Local Sentinel Providers provided ILI data during week 22; they reported no visits for ILI. Nationally sentinel Providers reported visits below baseline levels. (See Graph 3)
- Real-Time Outbreak and Disease Surveillance (RODS) data reflected sales of Thermometers, and Cough/Cold products **below** seasonal influenza levels. (See Graph 4)
- 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: the number of states reporting Widespread geographical activity **increased** to 8 (5 in week 21 and 4 in week 20): Arizona, Connecticut, Delaware, Massachusetts, New Jersey, New York, Pennsylvania and Rhode Island. (See Map 2)
- National Pneumonia and Influenza (P & I) Mortality Surveillance **remained steady at** 6.4% of all deaths reported through the 122 Cities Mortality Reporting System as due to P & I. This percentage is **below** the epidemic threshold of 7.0% for week 22.

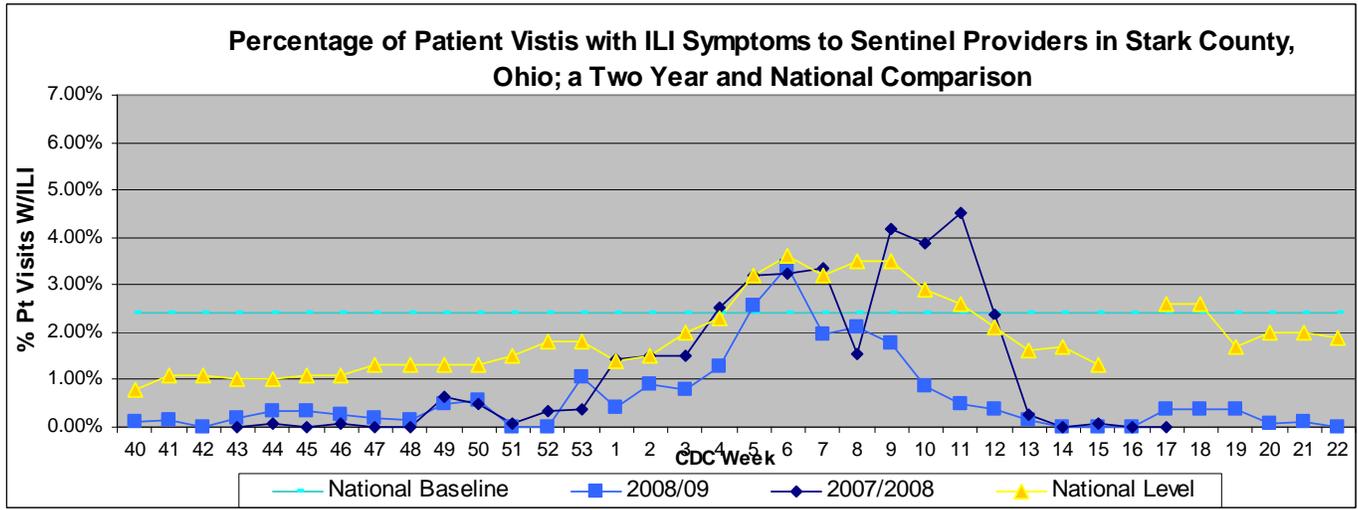
Graph 1: Number of medically identified cases of Influenza in Stark County, Ohio. (Cases reported from a medical provider or laboratory; established with a minimum of a rapid test confirmation).



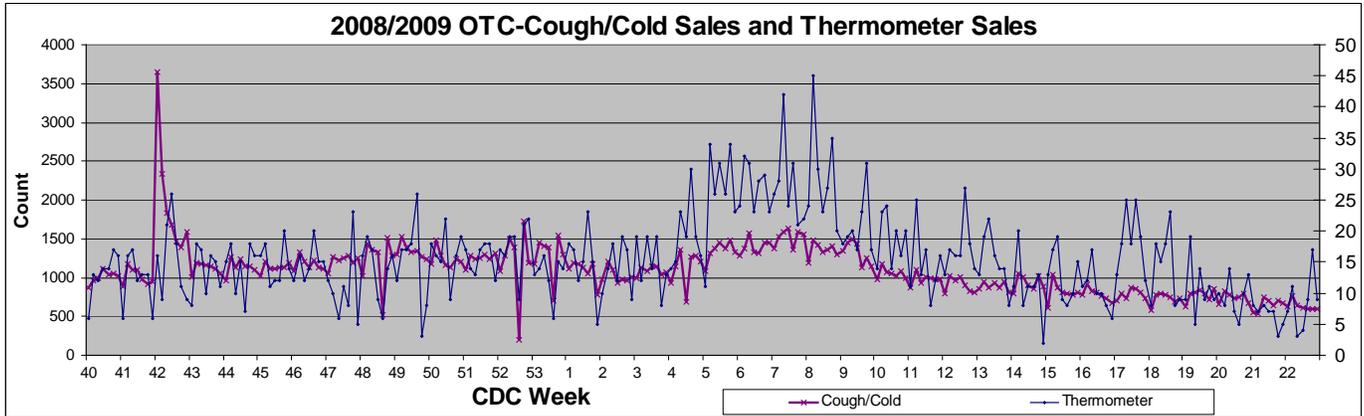
Graph 2: Number of Influenza-Associated Hospitalizations and medically identified cases of Influenza (cases reported from a medical provider or laboratory; established with a minimum of rapid test confirmation) (NOTE: the Y axis scale for All Lab Reports was adjusted in order to visualize the slight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



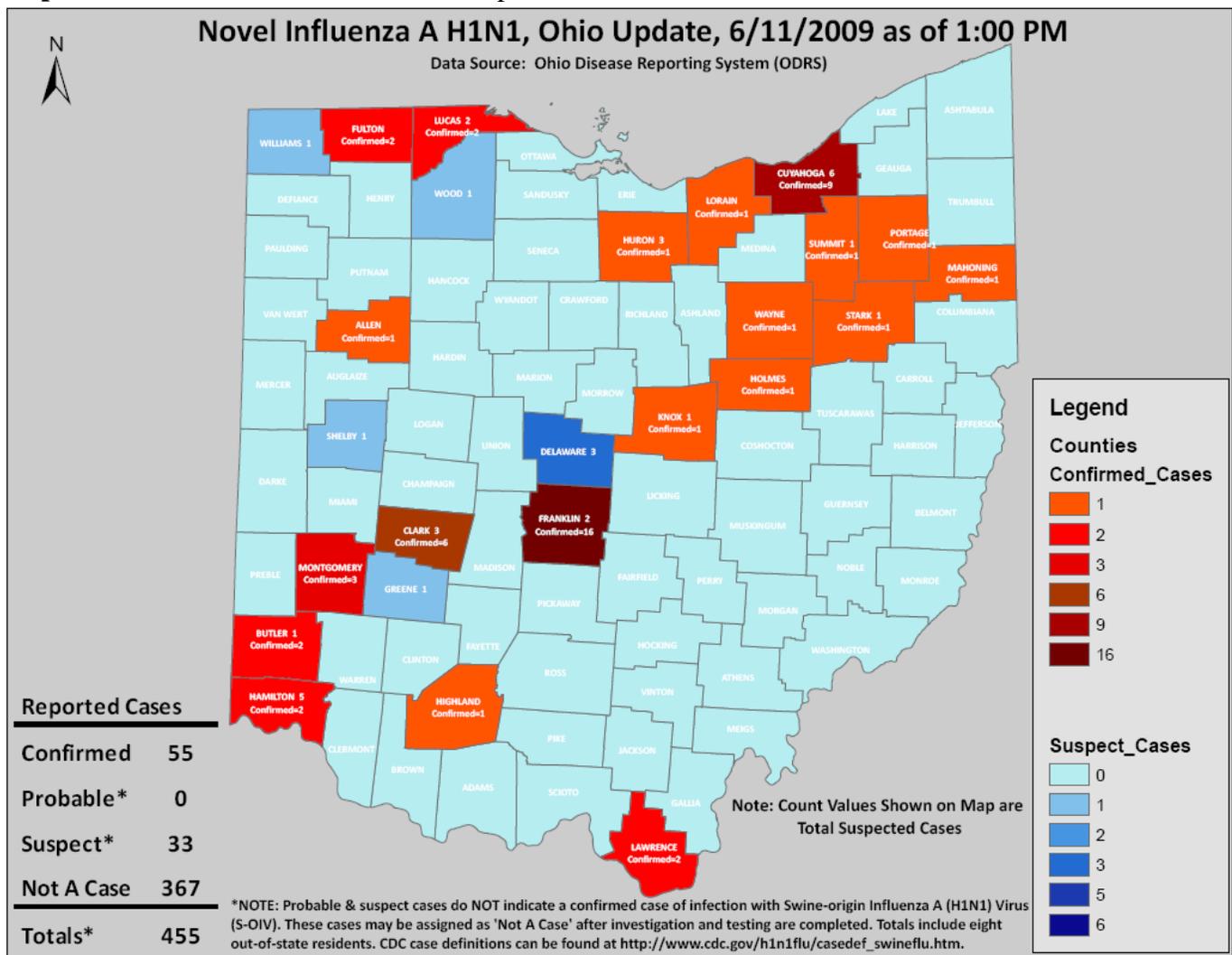
Graph 3: Sentinel Provider visits for ILI in Stark County Ohio and the Nation.



Graph 4: Sales of Over-The-Counter Cough/Cold Medications and Thermometers, as reported by RODS.



Map 1: Ohio Novel Influenza A H1N1 Map.

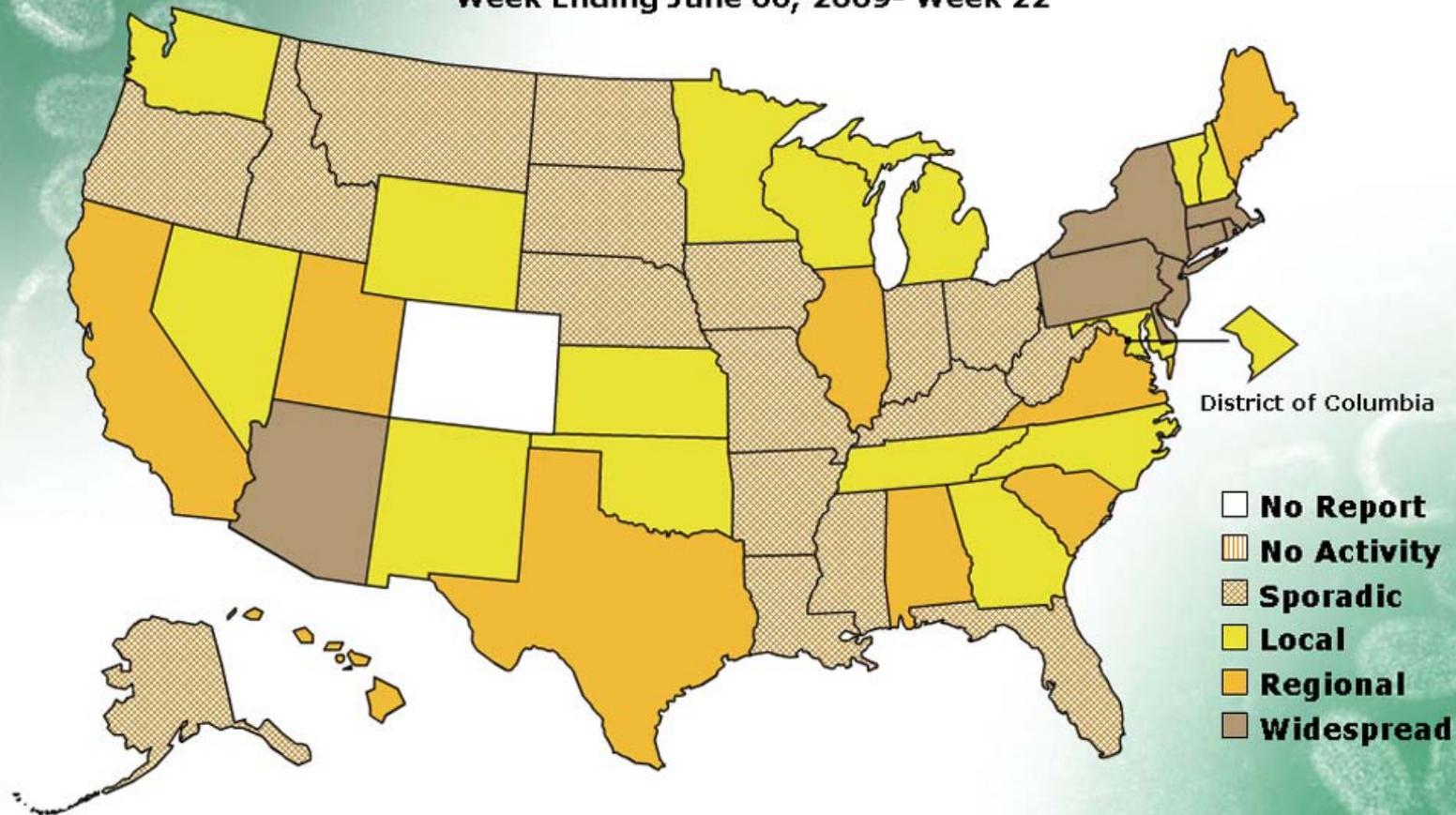


FLUVIEW



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

Week Ending June 06, 2009- Week 22



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