

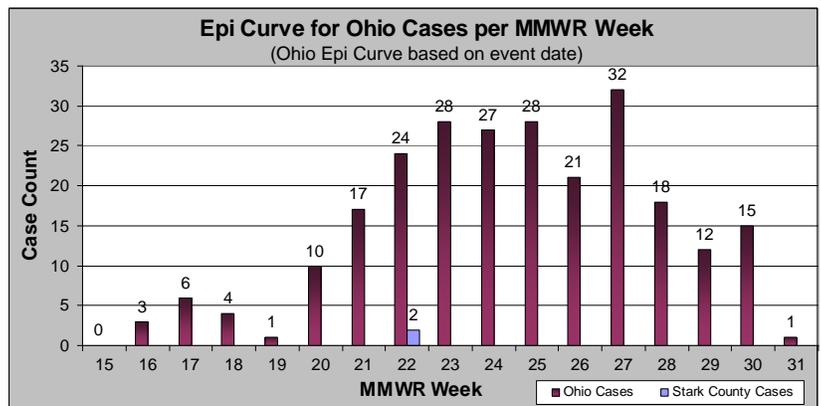


STARK COUNTY INFLUENZA SNAPSHOT, WEEK 31

Week 31 ending August 8, 2009, with updates through 08/14/2009.

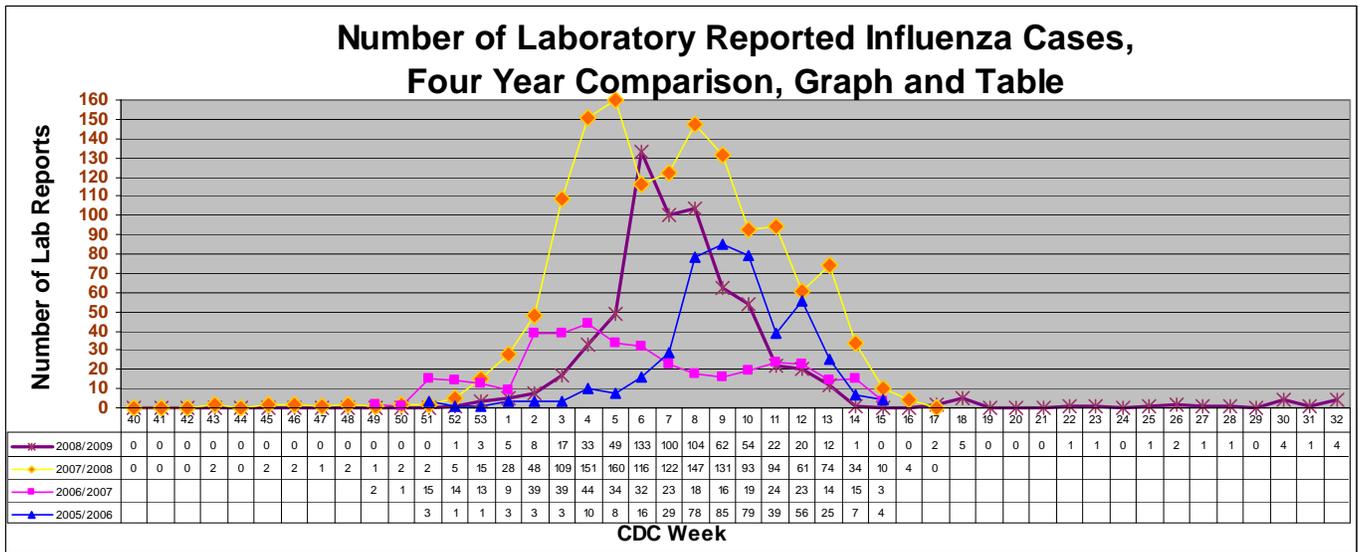
Novel H1N1 provisional summary of Ohio Cases: Novel Influenza was first identified in Ohio the third week of April. From the first confirmed case in Ohio, Stark County confirmed **two** cases, both in CDC week 22. The Novel Influenza reported since April is related to the A/California/07/2009 (H1N1) strain. With more than a million estimated cases in the US, encompassing all 50 states and territories, this strain is no longer considered Novel. Due to the change in reporting of Novel Influenza from Novel to only hospitalized or cluster associated cases, this report will be the last one containing separate data for Novel Influenza and serves as a summary of the Novel Influenza cases seen locally and in the state.

- As of 08/10/2009, Ohio confirmed 247 cases of *Novel Influenza A* (H1N1). (See Map 1) Only a small proportion of persons with respiratory illness were tested for novel influenza A (H1N1) infection, confirmed and probable case counts represent a significant underestimate of the true number of novel influenza A (H1N1) cases in Ohio.
- Dates of onset range from 04/22/2009 to 08/01/2009. (See Epi curve below. Note, the sudden reduction in cases is due to the change of reporting during CDC Week 31.)
- Cases range in age from 1 month to 69 years with a mean of 21.6 and a median of 16 years and a mode of 14 years. Stark County cases were 21 and 29 years of age. One was in their third trimester of pregnancy.
- Cases are racially diverse, however a **disproportionate** amount are Black, 21.08%; White represent 73.49% and 5.4% are Other. The Hispanic population represents 9.59% of cases with completed responses.
- In Ohio, predominant symptoms include Fever (94%), Cough (85%), Sore Throat (53%), and Headache (39%).
- As of August 14, 2009, the CDC reports 7,511 hospitalizations and 477 deaths (10 deaths in individuals 0-4 years, 67 deaths in individuals 5-24 years, 203 deaths in adults 25-49 years, 135 deaths in adults 50-64 years, 45 deaths in adults age 65 and older, and 17 deaths with unknown age) associated with novel influenza A (H1N1) virus in the United States.

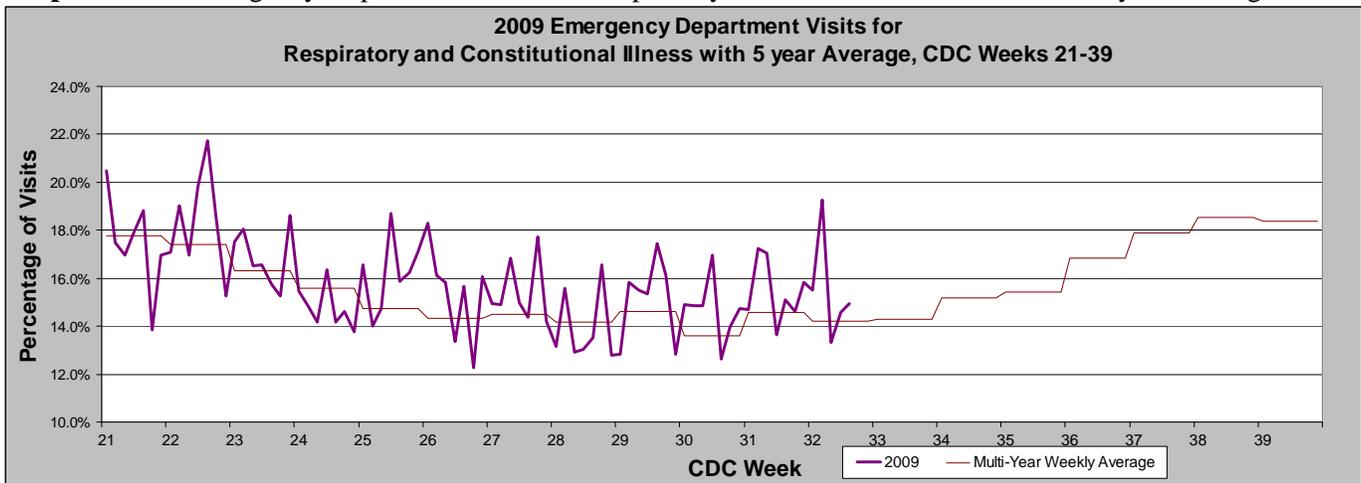


- Stark County received 1 report of influenza A in a hospitalized patient. (See graph 1) **Note:** a total of 4 reports were reported in week 30 and so far there are 4 reports in week 32. This is the greatest number of reports received since CDC week 18.
- Nationally, the CDC identified greater than **98%** of cocirculating strains of influenza A (seasonal influenza A (H1), A (H3), and *Novel* influenza) as **Novel H1N1**.
- During week 31 the average Emergency Department visits for Constitutional and Respiratory visits are **elevated** 6 percent above baseline data. (see graph 2)
- Only one local Sentinel Provider report is available for ILI during week 31. Nationally, sentinel Providers reported **steady** visits for ILI, which were below baseline levels. (See Graph 3)
- Real-Time Outbreak and Disease Surveillance (RODS) data reflected weekly sales of both Thermometer and Cough/Cold products **below** the five-year average. (See Graph 4)
- Ohio continues to report **Sporadic** influenza activity. Note: Widespread geographical activity remained **steady** with 4 states reporting Widespread Activity. (See Map 2)
- National Pneumonia and Influenza (P & I) Mortality Surveillance **increased to 6.1%** of all deaths reported through the 122 Cities Mortality Reporting System as due to P & I. This percentage is **below** the epidemic threshold of 6.1% for week 31.

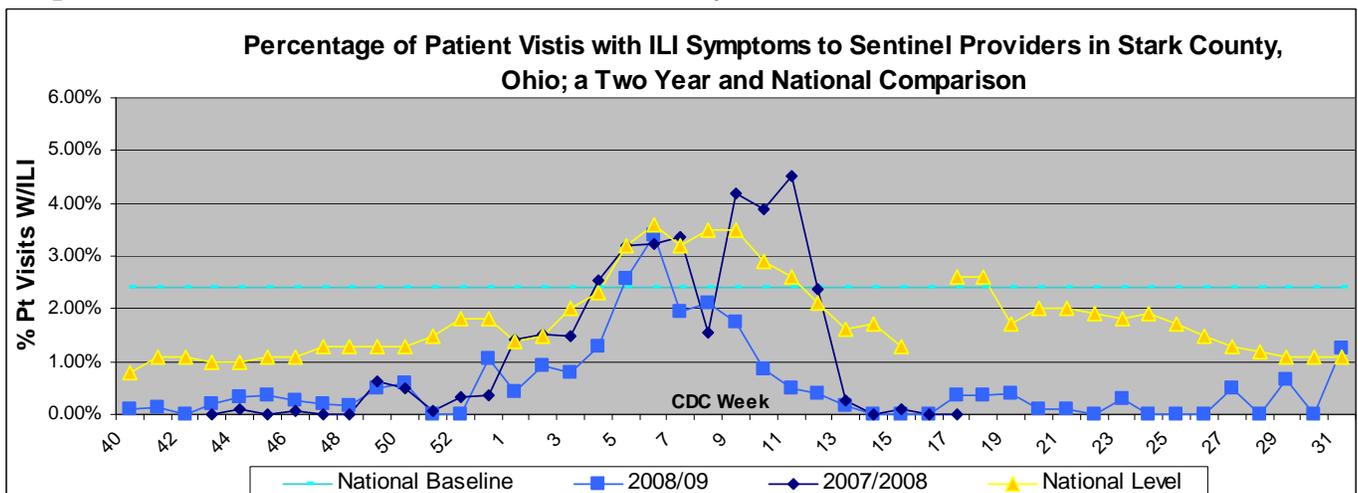
Graph 1: Number of medically identified cases of Influenza in Stark County, Ohio. (Cases reported from a medical provider or laboratory; established with a minimum of a rapid test confirmation).



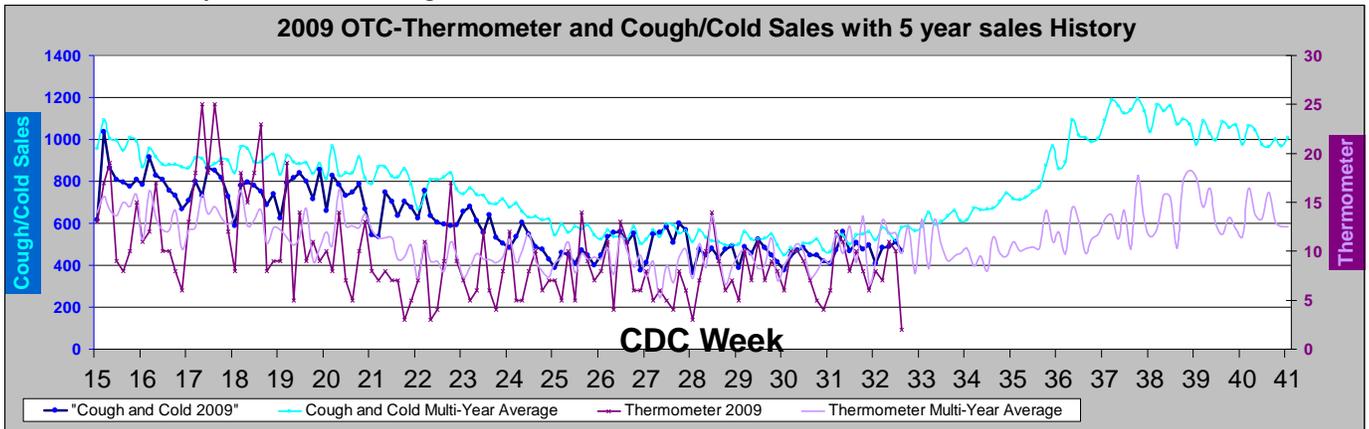
Graph 2: 2009 Emergency Department Visits for Respiratory and Constitutional Illness with 5 year Average.



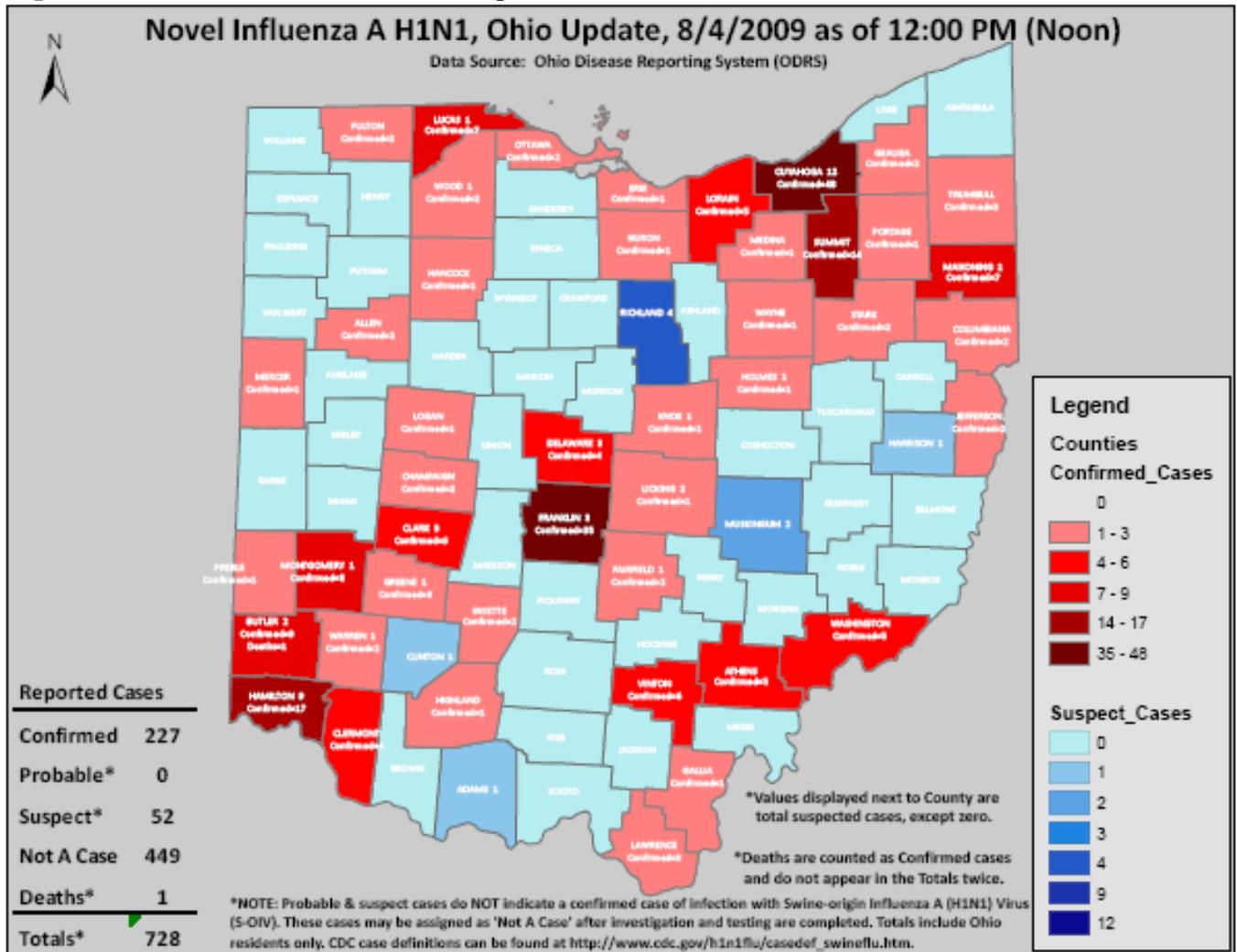
Graph 3: Sentinel Provider visits for ILI in Stark County Ohio and the Nation.



Graph 4: Sales of Over-The-Counter Cough/Cold Medications and Thermometers, as reported by RODS. (Note: secondary Y axis on the right for thermometer sales)



Map 1: Ohio Novel Influenza A H1N1 Map.



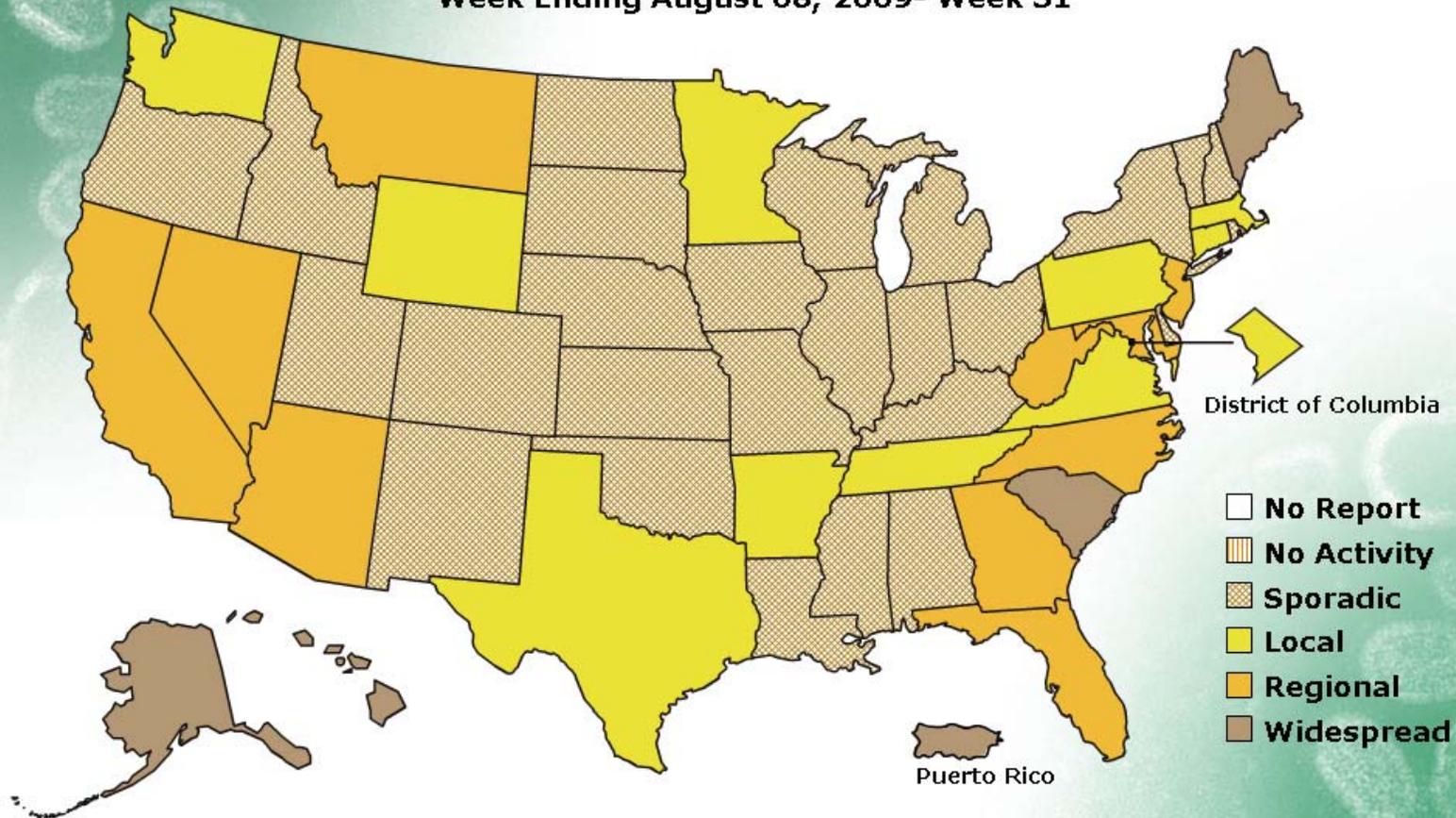
Map 2: National Influenza Activity. Source www.cdc.gov/flu/weekly

FLUVIEW



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

Week Ending August 08, 2009- Week 31



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