

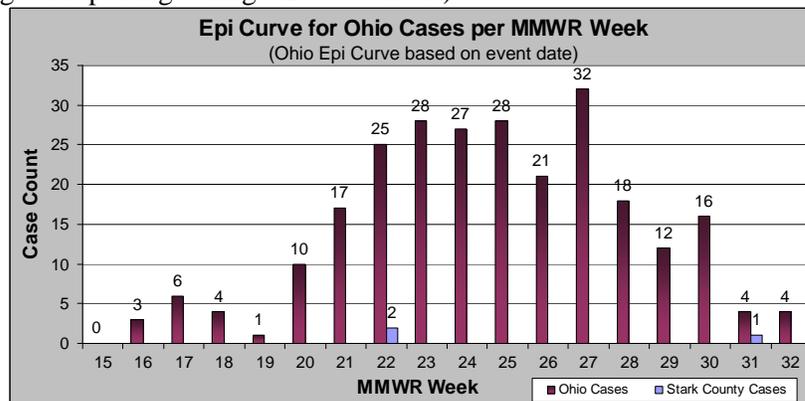


STARK COUNTY INFLUENZA SNAPSHOT, WEEK 32

Week 32 ending August 15, 2009, with updates through 08/24/2009.

H1N1 provisional summary of Ohio Cases: A Novel Influenza Virus was first identified in Ohio the third week of April. From the first confirmed case in Ohio, Stark County confirmed **three** cases. The Novel Influenza reported since April is related to the A/California/07/2009 (H1N1) strain. Due to the recent change in reporting of Novel Influenza from Novel to only hospitalized or cluster associated cases, this report will no longer contain race and predominant symptom data or refer to Novel Influenza. The report will continue to serve as a case summary of the 2009 strain of H1N1 influenza which has led to an international pandemic.

- As of 08/24/2009, Ohio confirmed 256 cases of 2009 influenza A (H1N1). Note: only a small proportion of persons with respiratory illness are tested for the 2009 influenza A (H1N1) infection, confirmed and probable case counts represent a significant underestimate of the true number of the 2009 influenza A (H1N1) cases in Ohio.
- Dates of onset range from 04/22/2009 to 08/10/2009. (See Epi curve below. Note the sudden reduction in cases is likely due to the change of reporting during CDC Week 31.)
- Cases range in age from 1 month to 69 years with a mean of 22.1 and a median of 16 years and a mode of 14 years. Stark County cases were 21, 25 and 29 years of age. One was in their third trimester of pregnancy.

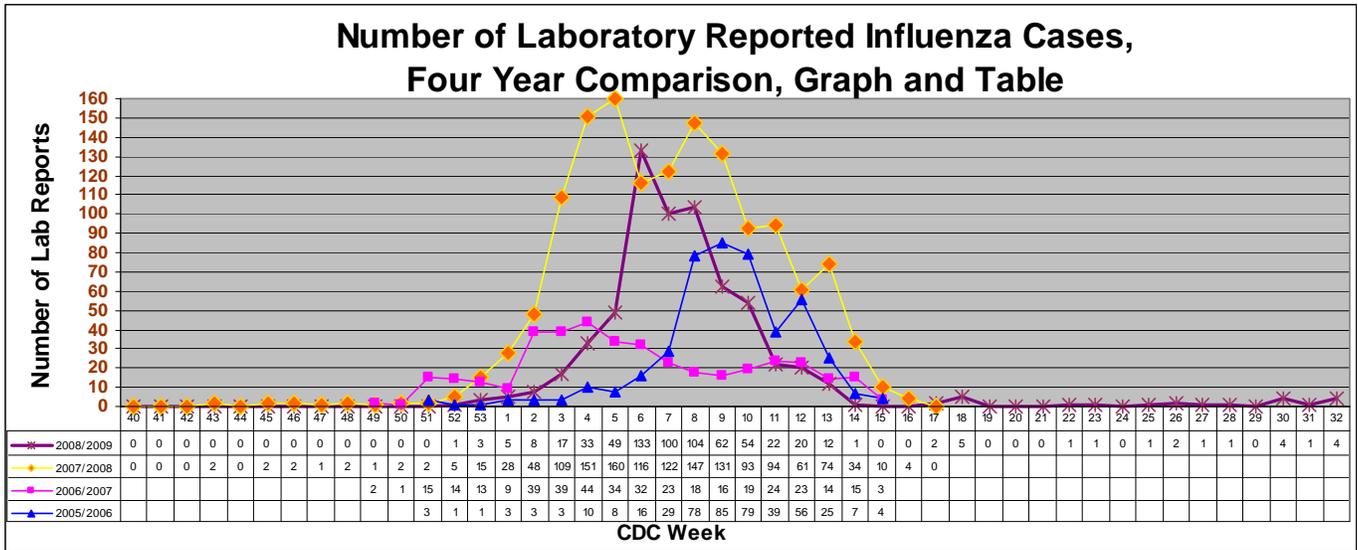


- Cases are racially diverse, however an increasing and **disproportionate** amount are Black, 21.84%; White represent 72.99% and 5.17% are Other. The Hispanic population represents 9.27% of cases with completed responses.

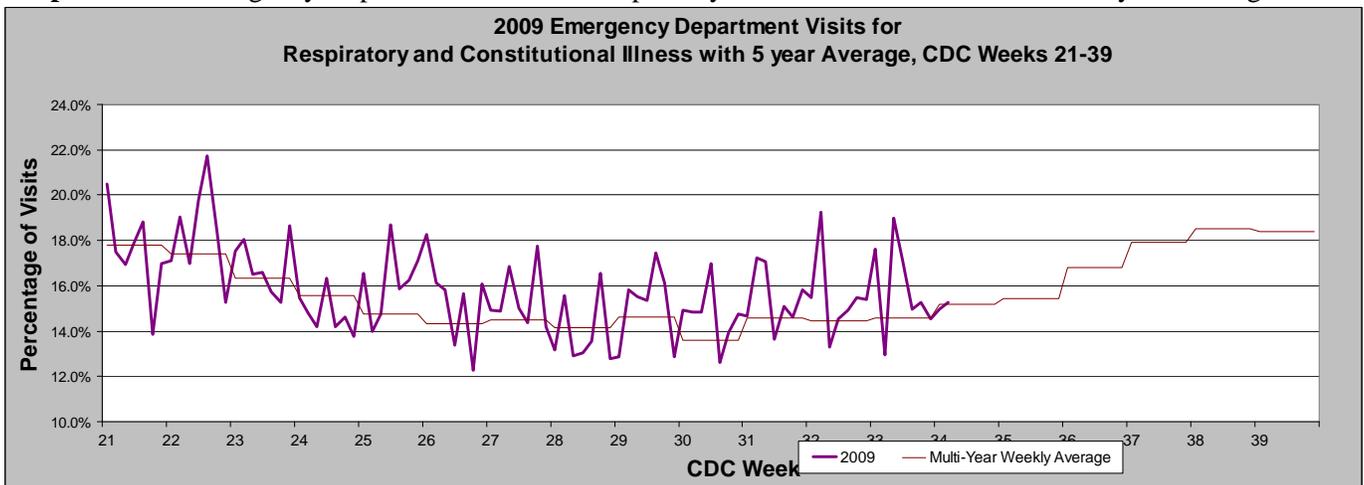
- Prior to week 32, predominant symptoms in Ohio included Fever (94%), Cough (85%), Sore Throat (53%), and Headache (39%).
- As of August 20, 2009, the CDC reports 7,983 hospitalizations and 522 deaths. Since September 28, 2008, CDC has received 105 reports of influenza-associated pediatric deaths that occurred during the current influenza season, 37 of which were due to 2009 influenza A (H1N1) virus infections.

- Stark County received **four** reports of influenza A in our community during week 32. (See graph 1)
- Nationally, the CDC identified greater than **98%** of cocirculating strains of influenza A (seasonal influenza A (H1), A (H3), and 2009 influenza A (H1N1)) as *2009 influenza A (H1N1)*.
- During week 32, the average Emergency Department visits for Constitutional and Respiratory visits are **elevated** 7 percent above baseline data. (see graph 2)
- Only one local Sentinel Provider report is available for ILI during week 32. 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 **declined** with only 2 states reporting Widespread Activity. (See Map 1)
- National Pneumonia and Influenza (P & I) Mortality Surveillance **decreased to 5.9%** of all deaths reported through the 122 Cities Mortality Reporting System as due to P & I. This percentage is **below** the epidemic threshold of 6.3% for week 32.

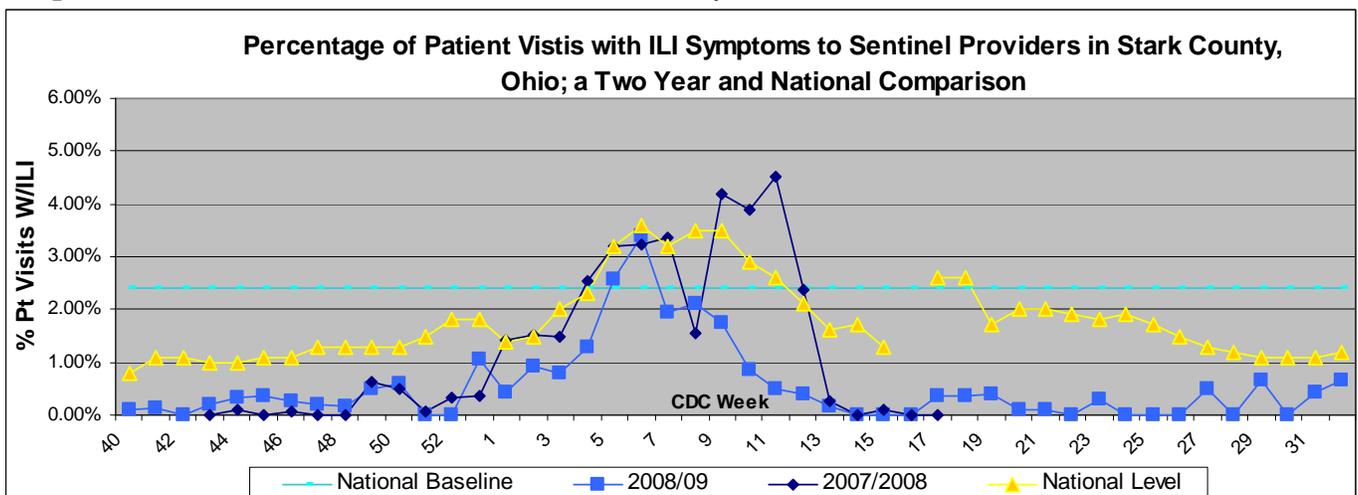
Graph 1: Number of medically identified cases of Influenza in Stark County, Ohio. (Cases reported from a medical provider or laboratory; established with a minimum of a rapid test confirmation).



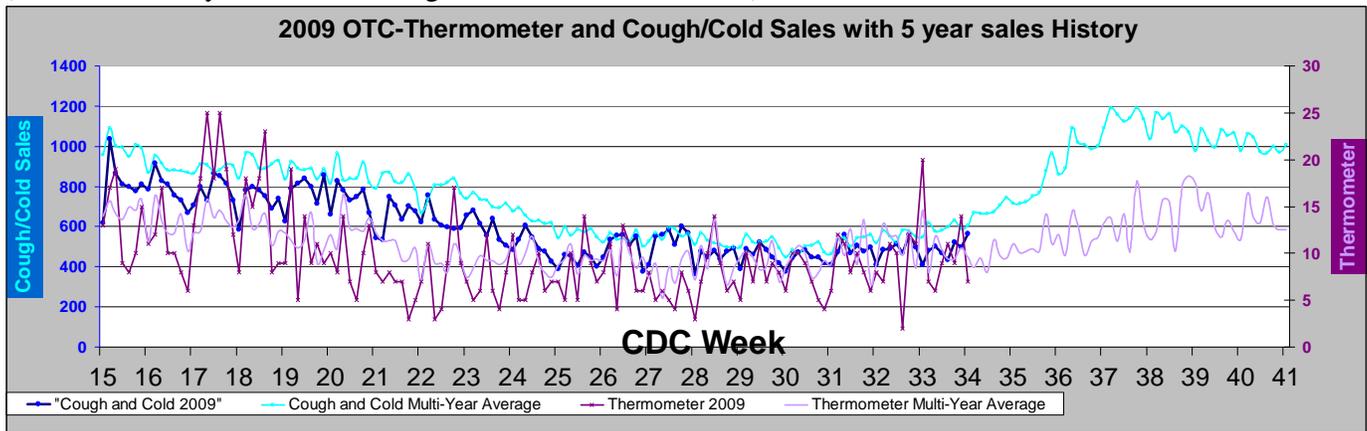
Graph 2: 2009 Emergency Department Visits for Respiratory and Constitutional Illness with 5 year Average.



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

