

EPI Gram is a monthly publication of the Stark County Public Health Coalition. It contains a summary of provisional communicable disease reports and other key public health indicators, with summary tables for Stark County, Ohio. Some reportable conditions may be under investigation; and, at any given time, data may fluctuate from month to month for a specific category.

IN THE NEWS: New reporting rules in effect: As of January 1, 2009, changes to the Ohio Administrative Code, Chapter 3701-3 (infectious disease reporting rules) were implemented. The most notable change was the introduction of hospitalized influenza cases and the deletion of Class B reporting of influenza. The class B reporting required reporting of influenza by case count only, without regard to patient demographics and health jurisdiction. The new reporting requirements only require reporting hospitalized cases of influenza. Thanks to very good working collaborations within our community this change led to increased data collection for influenza surveillance. Currently, influenza surveillance is based on,

- Reports of hospitalized influenza patients,
- Laboratory reports of rapid and culture confirmation of influenza by all 4 hospitals and associated stat care facilities and one large private medical practice,
- Sentinel Provider influenza like illness reporting,
- School absenteeism rates,
- Over-the-counter sales of cough and cold and other drugs
- Syndromic surveillance for all patients in Stark county reporting to local and surrounding emergency departments.

This surveillance provides information used in the generation of weekly influenza reports locally, countywide and at the state level. This surveillance has revealed significant and increasing case counts, (see chart and table to the right) high levels of type B influenza which may not have been included in the composition of this years vaccine, and initial indicators that the young adult population was strongly affected. For access to a countywide, state and national influenza surveillance reports refer to the following website: http://www.cantonhealth.org/Flu_Surveillance.htm and http://www.starkhealth.org/comm_disease/pdfs/Influenza_021509.pdf.

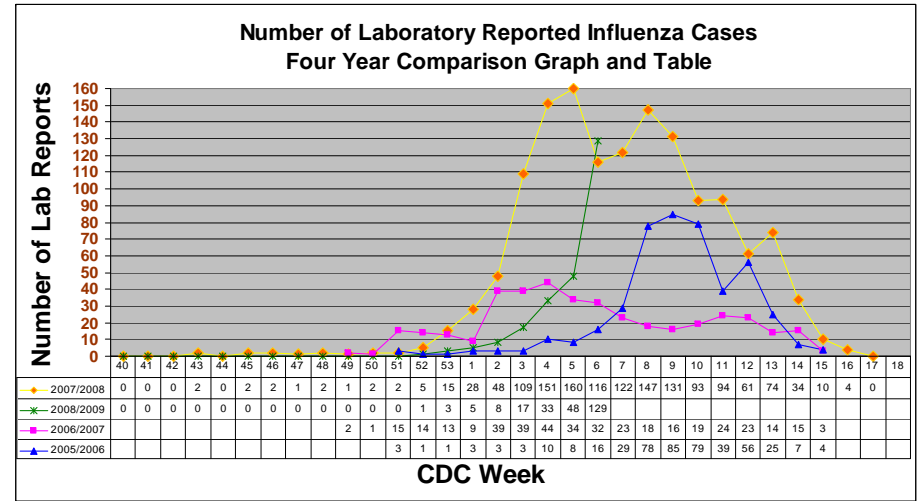


Table 1 Summary of Air Quality Index, Pollen, and Mold Counts for Stark County, Ohio, including limited historical data.

	January 2009				February 2009			
	Monthly High	Monthly Low	Monthly Mean	Counts in highest reported health risk category	Monthly High	Monthly Low	Monthly Mean	Counts in highest reported health risk category
Pollen Count	Suspended for Season				Suspended for Season			
Mold Count	N/A				N/A			
Air Quality Index	19	16	18.1	All Good	60	9	25.1	All Good

See the following website for source information: http://www.cantonhealth.org/air_quality.htm.

Table 2 Summary of Select Vital Statistics for Stark County, Ohio

	January-09	YTD 2009	2008 Total
Live Births	373	373	5169
Births to Teens	40	40	580
Deaths	217	217	4027

Due to the current method of reporting, all data is provisional.

Table 3 Stark County Crude Birth and Death Rates per 100,000 Population

Rates are based on the US Census 2000 Stark County population of 377,438.

	2004	2005	2006	2007	2008
Birth	1240	1211	1282	1340	1369
Death	1040	1140	1076	1076	1067

Table 4 – Summary of Select Reportable Diseases by Jurisdiction for January 2009 in Stark County, Ohio (provisional data only)

Refer to “Case Definitions for Infectious Conditions Under Public Health Surveillance,” MMWR (Morbidity and Mortality Weekly Report) 1997; 46 (No. RR-10), the Ohio Department of Health Infectious Disease Control Manual or visit: www.cdc.gov/epo/dphsi/casedef/index.htm for case definitions.

This report includes confirmed, probable and suspect cases.

	Alliance City			Canton City			Massillon City			Stark County			Stark County Totals		
	Jan-09	YTD 2009	YTD 2008	Jan-09	YTD 2009	YTD 2008	Jan-09	YTD 2009	YTD 2008	Jan-09	YTD 2009	YTD 2008	Jan-09	YTD 2009	5 Yr annual average
Campylobacteriosis	1	1	0	0	0	0	0	0	0	2	2	1	3	3	48
Chlamydia	5	5	11	0	0	55	6	6	7	29	29	24	40	40	1174.8
Giardiasis	0	0	0	1	1	3	1	1	0	3	3	3	5	5	43.2
Gonorrhea	2	2	0	0	0	49	2	2	2	5	5	6	9	9	599
Haemo. Influz., Bac	0	0	0	0	0	0	0	0	0	2	2	0	2	2	5.6
Hep B, Acute	0	0	0	0	0	0	0	0	0	1	1	0	1	1	3.4
Hep B, Chronic	0	0	0	1	1	2	1	1	3	2	2	2	4	4	23.6
Hep C, Past or Present #	1	1	4	5	5	4	4	4	5	7	7	10	17	17	221.5
Influenza-Hospitalized	0	0	0	6	6	0	0	0	0	2	2	0	8	8	N/A
Listeriosis	0	0	0	0	0	0	0	0	0	1	1	0	1	1	2.8
Meningitis, Asep	1	1	0	0	0	1	0	0	0	0	0	1	1	1	44.4
Meningitis Bac.	0	0	0	0	0	0	0	0	0	1	1	0	1	1	1.8
Meningococcal Dis.	0	0	0	0	0	0	0	0	0	1	1	0	1	1	1.4
Pertussis	0	0	0	0	0	0	0	0	0	4	4	0	4	4	16
Salmonellosis	1	1	0	0	0	0	0	0	0	4	4	2	5	5	41.4
Shigellosis	0	0	0	2	2	6	0	0	0	6	6	0	8	8	46.6
Strep Inv A GAS	0	0	0	1	1	0	0	0	0	2	2	1	3	3	7.6
Streptococcus pneumoniae , Invasive Disease, Ages < 5 Years	1	1	0	0	0	0	0	0	0	0	0	0	1	1	4.8
Streptococcus pneumoniae , Invasive Disease, Drug Resistant, Ages 5+ Yrs	1	1	0	2	2	0	0	0	0	0	0	0	3	3	21
Streptococcus pneumoniae , Invasive Disease, Drug Susceptible, Ages 5+ Yrs	0	0	0	2	2	0	0	0	0	2	2	0	4	4	24.8
Varicella#	1	1	1	1	1	2	0	0	0	2	2	7	4	4	136

Incomplete 5 yr average due to a change in reporting.

If you have any questions, including how to receive copies of this report, please contact Karen Schanz at (330) 493-9928 x287 or Schanzk@starkhealth.org or Christina Henning at (330) 489-3454 or Chenning@cantonhealth.org.

Table 5 – Summary Table of Diseases Reported in the previous 5 years within Stark County, Ohio.(provisional data only)

	Stark County Totals					
	Jan-09	YTD 2009	YTD 2008	All of 2008	5 Yr annual average	Average rate per 100,000 population
Amebiasis	0	0	0	0	0.4	0.11
Anaplasmosis	0	0	0	0	0.2	0.05
Campylobacteriosis	3	3	1	54	48	12.70
Chlamydia	40	40	97	1122	1174.8	310.71
Creutzfeldt-Jakob Ds	0	0	0	3	0.8	0.21
Cryptosporidiosis	0	0	2	23	17.2	4.55
Cytomegalovirus, Congenital	0	0	0	1	1	0.26
Dengue	0	0	0	0	0.2	0.05
Enceph., Post Other	0	0	0	1	0.2	0.05
Enceph, Primary viral	0	0	0	2	1.8	0.48
E coli , STP, Not O157:H7	0	0	0	0	0	0.00
E coli , STP, Unknown	0	0	0	1	2	0.53
E Coli 0157	0	0	0	1	2.8	0.74
Giardiasis	5	5	6	33	43.2	11.43
Gonorrhea	9	9	57	592	599	158.42
Haemo. Influz., Bac	2	2	0	8	5.6	1.48
Hemolitic Uremic Synd	0	0	0	2	0.8	0.21
Hepatitis A	0	0	0	4	2.8	0.74
Hep B, Acute	1	1	0	4	3.4	0.90
Hep B, Chronic	4	4	7	30	23.6	6.24
Hep C, Acute	0	0	0	5	1.8	0.48
Hep C, Past or Present	17	17	23	199	221.5	58.58
Herpes, Congenital	0	0	0	1	0.4	0.11
Influenza-Hospitalized	8	8	0	N/A	N/A	N/A
LaCrosse Encephalitis	0	0	0	0	0.2	0.05
Legionellosis	0	0	1	16	12	3.17
Listeriosis	1	1	0	3	2.8	0.74
Lyme Disease	0	0	1	2	0.6	0.16
Meningitis, Asep	1	1	2	26	44.4	11.74
Meningitis Bac.	1	1	0	2	1.8	0.48
Meningococcal Dis.	1	1	0	1	1.4	0.37
Mumps	0	0	1	2	0.8	0.21
Pertussis	4	4	0	3	16	4.23
Rheumatic fever	0	0	1	1	0.2	0.05
Rocky Mountain Spotted	0	0	0	0	0.2	0.05
Salmonellosis	5	5	2	42	41.4	10.95
Shigellosis	8	8	6	211	46.6	12.32
Strep Inv A GAS	3	3	1	5	7.6	2.01
Strep B Newborn	0	0	0	2	2.8	0.74
Strep toxic shock (STSS)	0	0	0	1	0.8	0.21
Streptococcus pneumoniae , Invasive Disease, Ages < 5 Yrs	1	1	0	3	4.8	1.27
Strep pneumo, Invasive Disease, Drug Resistant, Ages 5+ Yrs	3	3	1	21	21	5.55
Strept pneumo, Invasive Disease, Susceptible, Ages 5+ Yrs	4	4	0	18	24.8	6.56
Syphilis, Total	0	0	0	19	22.8	6.03
Syphilis, Pri & Secondary	0	0	0	4	9.4	2.49
Toxic shock syndrome (TSS)	0	0	0	2	0.4	0.11
Toxoplasmosis, Congenital	0	0	0	0	0	0.00
Typhoid Fever	0	0	0	0	0.2	0.05
Varicella#	4	4	10	43	136	35.97
Vibriosis (Not Cholera)	0	0	0	0	0.2	0.05
West Nile Virus	0	0	0	0	1.2	0.32
Yersiniosis	0	0	0	2	2.4	0.63

Table includes information on diseases reported to the Ohio Department of Health in the previous five years.

This report includes confirmed, probable and suspect cases. Rate is based on an estimate population of 378,098