

EPI GRAM-January, 2008

A Monthly Publication of the Stark Public Health Infrastructure Coalition

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:

Streptococcal Reports from a Local Child Health Clinic-In January 2008, a report indicating 22 cases of Streptococcal Infection were identified in clients of one reporting facility. This number was higher than expected. A look into the pattern of received reports revealed an apparent multi-year cycle. Further, there is a seasonal trend, with January reports near the top of the seasonal peak; seen in the graph to the upper right. At the current rate an increase through the month of March would be expected, further the increase could approach those seen in 1997-1998; years with significantly elevated counts.

Influenza: Cases of influenza quickly rose throughout the month of January; a trend which has continued into mid February. YTD 607 medically identified cases have been reported with 29 of those identified, as type B and the remaining are type A or unknown. The average age affected this year is 29 for type A and 22.6 for type B.

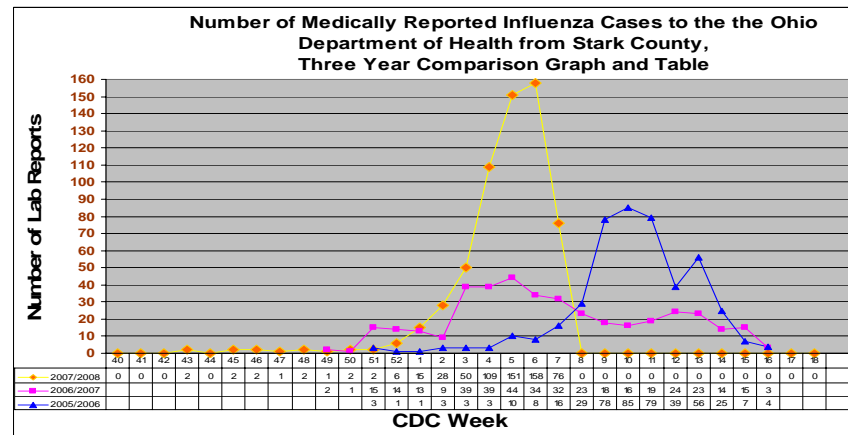
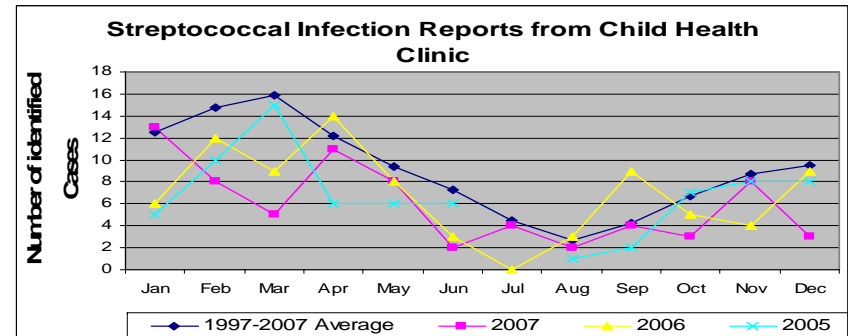


Table 1 Summary of Air Quality Index, Pollen, and Mold Counts for Stark County, Ohio, including limited historical data.

	January 2008				February 2007			
	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							
Mold Count	Suspended for Season							
Air Quality Index	42	8	19.9	All within "good" range	50	8	24.1	All within "good" range

Pollen and Mold counts are derived from rotorod samples on the 2nd story roof of Canton City Hall. The readings are from a 24 hour period/24 hour avg. on all work days. Mold counts of 6,500-12,999 are moderate and many individuals sensitive to molds may experience symptoms, counts of 13,000 to 49,999 are high and most individuals with any sensitivity to molds will experience symptoms. These indices are produced from March to October. The Air Quality Index (AQI) is derived by comparison to EPA standards from the following readings: Particulate Matter 10, Particulate Matter 2.5 continuous on CCHD 2nd floor roof top; Sulfur Dioxide at Malone College; and ozone monitors in Canton, Brewster, Alliance, and Middlebranch. AQI ratings are 151-200: unhealthy (UH); 101-150: unhealthy for sensitive groups (UH sg); 51-100: moderate (M); 0-50: good (g).

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

	Jan 2008	YTD 2008	2007
Live Births	245	245	5057
Births to Teens	27	27	537
Deaths	390	390	4061

Due to the current method of reporting live births, 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.

	2003	2004	2005	2006	2007
Birth	1260	1240	1211	1282	142
Death	1110	1040	1140	1076	1076

Table 4 – Summary of Select Reportable Diseases for January 2008 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 2008	YTD 2008	YTD 2007	Jan 2008	YTD 2008	YTD 2007	Jan 2008	YTD 2008	YTD 2007	Jan 2008	YTD 2008	YTD 2007	Jan 2008	YTD 2008	YTD 2007	5 Year annual average
Amebiasis													0	0	0	0.4
Campylobacteriosis										1	1	3	1	1	3	51.8
Chlamydia	11	11	8	55	55	66	7	7	4	24	24	37	97	97	115	1126.4
Creutzfeldt-Jakob Ds													0	0	0	0.6
Cryptosporidiosis				1	1					1	1	1	2	2	1	14
E Coli 0157													0	0	0	2.4
E Coli													0	0	0	3
Enceph., WNV													0	0	0	3.6
Enceph., Other													0	0	0	2.8
Giardiasis			1	3	3					3	3		6	6	1	49.2
Gonorrhea	2	2	4	49	49	52	2	2	1	6	6	12	59	59	69	646
Haemo. Influz., Bac						1							0	0	1	5.8
Hepatitis A			1										0	0	1	8
Hepatitis B*				2	2	2	3	3	1	2	2		7	7	3	44.6
Hepatitis C*#	4	4	1	4	4	9	5	5		10	10	9	23	23	19	273.5
Kawasaki Syndrome													0	0	0	3.6
Legionellosis				1	1								1	1	0	12.2
Listeriosis												1	0	0	1	2.4
Lyme Disease										1	1		1	1	0	2.6
Malaria													0	0	0	0.8
Meningitis, Asep				1	1	1				1	1		2	2	1	53.8
Meningitis Bac.													0	0	0	4.4
Meningococcal Dis.												1	0	0	1	2.4
Mumps							1	1					1	1	0	0.4
Pertussis						1						1	0	0	2	17
Salmonellosis			1			1				2	2	1	2	2	2	49.4
Shigellosis				6	6								6	6	0	11.8
Strep Inv A GAS										1	1	1	1	1	1	12.2
Strep B Newborn													0	0	0	2
Strep Pneu ISP	1	1		3	3	4	1	1		6	6	6	11	11	10	47.8
Strep TSS													0	0	0	0.4
Syphilis												1	0	0	1	21.6
Typhoid Fever							1	1					1	1	0	0.4
Varicella#	1	1	1	2	2	5			1	7	7	21	10	10	28	#
Vibriosis													0	0	0	0.2
Yersiniosis				1	1								1	1	0	2

*This includes all hepatitis reports; acute, chronic, and status not known. # 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.