

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:

Cryptosporidiosis: During the last three years in Stark County, the maximum number of cases seen through May was one (1), this year there have been eight (8). This is a marked increase over the number typically reported for this time period. Although not as drastic, an increase has been seen throughout the State of Ohio and Nationally. Currently cases seen in the State and in Stark County appear to be random and not associated with an outbreak. The Stark County cases have three (3) distinct age clusters; 10 and under, 23-28, and 55-62; and all cases are equally divided by sex. Geographically, the cases represent four (4) different cities in the county, with half of the cases in Canton City.

Historically, the CDC reports cases have been linked to consumption of oysters and green onions that may have been exposed to contaminated water, chicken salad that was contaminated by a food worker in a day care, by many recreational and contaminated water sources, and locally by apple cider.

The most common symptom of cryptosporidiosis is watery diarrhea. Other symptoms include: dehydration, weight loss, stomach cramps or pain, fever, nausea, and vomiting. Some people with cryptosporidiosis will have no symptoms at all.

Individuals with an impaired immune system are at a particularly high risk for long term sequelae of the disease. Further, individuals with poor immune function tend to suffer from recurrent bouts despite recently approved treatments.

The CDC reports persons at increased risk for contracting cryptosporidiosis include child care workers, diaper-aged children who attend child care centers, persons exposed to human feces by sexual contact, and caregivers who might come in direct contact with feces while caring for a person infected with cryptosporidiosis.

More information on Cryptosporidiosis can be found at: http://www.cdc.gov/ncidod/dpd/parasites/cryptosporidiosis/factsht_cryptosporidiosis.htm#3

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

	May 2006			May 2005			Jun 2005
	Monthly High	Monthly Low	Monthly Mean	Monthly High	Monthly Low	Monthly Mean	Monthly Mean
Pollen Count	1240	2	291	1650	55	337	152
Mold Count	11030	1410	4890	5540	1360	2850	7649
Air Quality Index	93	21	45	61	19	38	55

Pollen and Mold counts are derived from rotorod samples on the 2nd story roof of Canton City Hall. The readings are taken from a 24 hour period\24 hour avg. on all work days. 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. This index is produced from March to October. AQI ratings are 151-200: unhealthy; 101-150: unhealthy for sensitive groups; 51-100: moderate; 0-50: good.

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

*** Due to a change in the reporting system, the complete birth data is temporarily unavailable.

	May	YTD	2005
Live Births	292	1927	4574
Births to Teens	***	***	508
Deaths	369	1753	4305

Table 3 Stark County Crude Birth and Death Rates

Crude rates are based on US Census 2000 Stark County population of 377,438.

	2002	2003	2004	2005
Birth	0.0127	0.0126	0.0124	0.0121
Death	0.0109	0.0111	0.0104	0.0114

If you have any questions, including how to receive other 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 4 – Summary of Select Reportable Diseases for May 2006 in Stark County, Ohio (provisional data only)

Please 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			
	May 2006	YTD 2006	YTD 2005	May 2006	YTD 2006	YTD 2005	May 2006	YTD 2006	YTD 2005	May 2006	YTD 2006	YTD 2005	May 2006	YTD 2006	YTD 2005	5 Year annual average
Amebiasis													0	0	0	0.4
Campylobacteriosis					3	3		2	1	2	11	9	2	16	13	51.6
Chlamydia	4	31		43	276					29	141		72	417		1217
Creutzfeldt-Jakob Ds												1	0	0	1	0.6
Cryptosporidiosis				2	4	1				1	4		3	8	1	11.6
E Coli 0157													0	0	0	2.4
E Coli			1										0	0	1	2.4
Enceph., WNV													0	0	0	3
Enceph., Other										0	1		0	1	0	3.2
Giardiasis		1		1	6	4	1	1	2	3	13	10	5	21	16	53
Gonorrhea		12		41	167					8	41		49	220		506
Haemo. Influz., Bac					1	1				1	2	1	1	3	2	5.6
Hepatitis A		1						1			1	2	0	3	2	9.2
Hepatitis B*		2	5	2	8	12			1	3	12	8	5	22	26	37.4
Hepatitis C*	4	10	14	9	50	58		8	14	5	54	45	18	122	131	281**
Kawasaki Syndrome			1										0	0	1	3.4
Legionellosis						3				1	2	3	1	2	6	11.4
Listeriosis											1		0	1	0	1.6
Lyme Disease												2	0	0	2	3.2
Malaria												1	0	0	1	1
Meningitis, Asep		1	1		3	1					3	3	0	7	5	58
Meningitis Bac.													0	0	0	4.4
Meningococcal Dis.													0	0	0	2.8
Mumps										1	1		1	1	0	
Pertussis			7			5				2	2	15	2	2	27	16.4
Salmonellosis	1	1		2	9	4			1	1	8	9	4	18	14	48.4
Shigellosis											1	1	0	1	1	12.4
Strep Inv A GAS	1	3	1		2					1	2	5	2	7	6	10.6
Strep B Newborn						1							0	0	1	1.8
Strep Pneu ISP	3	3	4		14	12			4	5	14	22	8	31	42	36
Strep TSS													0	0	0	0.6
Syphilis		1		1	2						3		1	6		32
Typhoid Fever													0	0	0	0.2
Varicella***	13	21		2	27		2	8		14	153		31	191	0	**
Vibriosis													0	0	0	0.2
Yersinosis													0	0	0	0.8

*This includes all hepatitis reports; acute, chronic, and status not known. **Incomplete 5 yr average due to a change in reporting requirements. ***Newly reportable condition. ## 2005 total, not an average