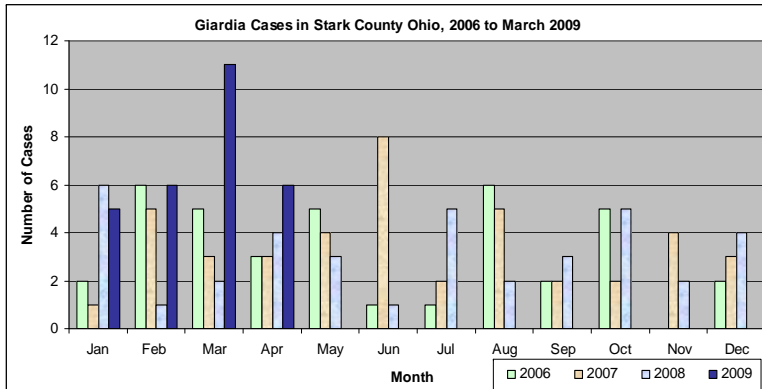
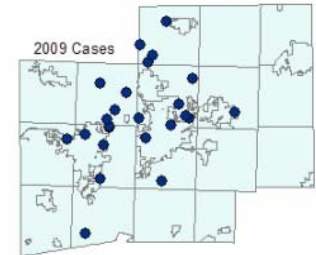


EPI Gram is a monthly publication of the Stark County Public Health Coalition. It contains a summary of provisional communicable disease reports and other key public health indicators, with summary tables for Stark County, Ohio. Some reportable conditions may be under investigation; and, at any given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

IN THE NEWS: Stark County saw a significant elevation in the number of Giardia cases reported to local health jurisdictions in March. The number of Giardia cases has steadily increased since November 2008.



The 2009 cases do not appear to have any commonalities that would suggest a single source of infection. They range in age from 2 months to 73 years, and have a bimodal age distribution, with the two most affected age categories of 0-19 years and 40-59 years.



Geographically the cases appear to be located in the central and western portions of the county; however, this is not atypical for Giardia in Stark County.

One hindrance to investigation is the extended time from initial onset of symptoms to diagnosis. A large proportion of cases reported diarrheal illness for “months” with an exact onset date often masked by comorbidities with an illness presenting with similar symptoms, such as Crohn’s disease or Irritable Bowel Syndrome.

Area health departments will continue to investigate newly identified cases and monitor the current situation.

	1st Quarter 2009	YTD 2009
Suspect Cases of Reported Mycobacterium TB	9	9
Culture Confirmed Mycobacterium Tuberculosis (TB)	0	0
Culture Confirmed Mycobacterium Other Than TB (MOTTs)	4	4
Not TB, Not MOTTs	1	1
Suspects Pending	4	4

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

	March 2009				April 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					870	10	138	
Mold Count					1060	70	529	All Good
Air Quality Index	79	16	44	8 Moderate	70	26	44	4 Moderate

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

	Mar-09	YTD 2009	2008 Total
Live Births	310	1107	5169
Births to Teens	29	123	580
Deaths	233	709	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 March 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 reported in the month of June to the specified local health department..

	Alliance City			Canton City			Massillon City			Stark County			Stark County Totals		
	March	YTD	YTD 2008	March	YTD 2009	YTD 2008	March	YTD 2009	YTD 2008	March	YTD 2009	YTD 2008	March	YTD 2009	5 Yr annual average
Campylobacteriosis	0	1	0	1	1	0	0	0	1	4	9	4	5	11	48
Chlamydia infection	8	20	18	60	173	150	9	21	21	26	79	76	103	293	1174.8
Cryptosporidiosis	0	0	0	0	0	1	0	0	0	1	2	2	1	2	17.2
E. coli - enterohemorrhagic (shiga toxin producing) Unknown serotype	0	0	0	0	0	0	0	0	0	1	1	0	1	1	2
Giardiasis	0	0	0	2	3	3	0	3	0	9	16	6	11	22	43.2
Gonococcal infection	0	5	7	36	84	102	2	11	8	5	19	20	43	119	599
Haemophilus influenzae (invasive disease)	0	0	0	1	1	1	0	1	0	0	2	0	1	4	5.6
Hepatitis B (including delta) - chronic	0	0	0	0	3	4	1	3	3	1	6	4	2	12	23.6
Hepatitis C - chronic	1	2	10	7	20	15	1	6	7	6	20	25	15	48	221.5
Influenza-associated hospitalization	1	1	0	5	30	0	2	3	0	7	25	0	15	59	N/A
Meningitis - aseptic/viral	0	1	0	0	0	2	0	0	0	1	1	1	1	2	44.4
Meningitis - bacterial (Not N. meningitidis)	1	1	0	0	0	0	0	0	0	0	1	1	1	2	1.8
Salmonellosis	0	1	0	0	0	5	0	1	0	3	12	4	3	14	41.4
Shigellosis	0	0	0	2	5	7	0	0	0	2	12	2	4	19	46.6
Streptococcal - Group A -invasive	0	0	0	0	1	0	0	0	0	1	4	0	1	5	7.6
Streptococcal - Group B - in newborn	0	0	0	1	1	0	0	0	0	0	0	0	1	1	2.8
Streptococcus pneumoniae - invasive antibiotic resistance unknown or non-resistant	1	2	1	0	3	3	0	0	1	4	11	8	5	16	24.8
Syphilis, Total	0	0	0	0	2	11			2	0	0	2	0	2	22.8
Syphilis, Pri & Secondary	0	0	0	0	1	3	0	0	0	0	0	1	0	1	9.4
Varicella	1	3	2	1	4	4	0	0	0	3	13	15	5	20	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					
	Mar-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	5	11	5	56	48	12.70
Chlamydia	103	293	265	1122	1174.8	310.71
Creutzfeldt-Jakob Ds	0	1	1	3	0.8	0.21
Cryptosporidiosis	1	2	3	24	17.2	4.55
Cytomegalovirus, Congenital	0	1	1	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	1	1	0	1	2	0.53
E Coli 0157	0	0	0	1	2.8	0.74
Giardiasis	11	22	9	38	43.2	11.43
Gonorrhea	43	119	137	592	599	158.42
Haemo. Influz., Bac	1	4	1	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	0	1	1	4	3.4	0.90
Hep B, Chronic	2	12	11	35	23.6	6.24
Hep C, Acute	0	0	0	5	1.8	0.48
Hep C, Past or Present	15	48	57	215	221.5	58.58
Herpes, Congenital	0	0	0	1	0.4	0.11
Influenza-Hospitalized	15	59	0	N/A	N/A	N/A
LaCrosse Encephalitis	0	0	0	0	0.2	0.05
Legionellosis	0	1	2	16	12	3.17
Listeriosis	0	1	2	3	2.8	0.74
Lyme Disease	0	0	0	1	0.6	0.16
Meningitis, Asep	1	2	3	28	44.4	11.74
Meningitis Bac.	1	2	1	3	1.8	0.48
Meningococcal Dis.	0	1	0	1	1.4	0.37
Mumps	0	0	1	3	0.8	0.21
Pertussis	0	5	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	3	14	5	44	41.4	10.95
Shigellosis	4	19	9	213	46.6	12.32
Strep Inv A GAS	1	5	6	10	7.6	2.01
Strep B Newborn	1	1	0	2	2.8	0.74
Strep toxic shock (STSS)	0	16	0	1	0.8	0.21
Streptococcus pneumoniae , Invasive Disease, Ages < 5 Yrs	0	0	0	3	4.8	1.27
Strep pneumo, Invasive Disease, Drug Resistant, Ages 5+ Yrs	0	3	9	25	21	5.55
Strep pneumo, Invasive, Susceptible or Unk, Ages 5+ Yrs	5	16	12	27	24.8	6.56
Syphilis, Total	0	2	15	19	22.8	6.03
Syphilis, Pri & Secondary	0	1	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#	5	0	21	54	136	35.97
Vibriosis (Not Cholera)	0	20	0	0	0.2	0.05
West Nile Virus	0	0	0	0	1.2	0.32
Yersiniosis	0	0	3	3	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