

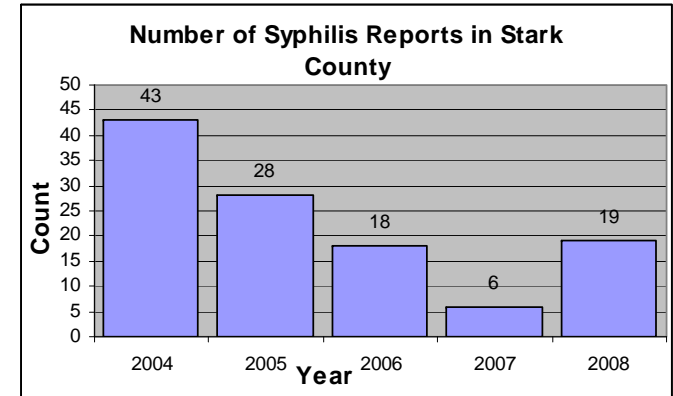
EPI Gram is a monthly publication of the Stark County Public Health Coalition. It contains a summary of provisional communicable disease reports and other key public health indicators, with summary tables for Stark County, Ohio. Some reportable conditions may be under investigation; and, at any given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

IN THE NEWS:

Syphilis: “Syphilis is a complex sexually transmitted disease that has a highly variable clinical course.” Transmission of the causal agent, the bacterium *Treponema Pallidum*, is by direct contact with an infected individual. Syphilis has several case classifications based on symptoms at diagnosis and history of disease. Public Health Authorities investigate all cases of Syphilis and perform aggressive contact tracing and treatment activities for all Primary, Secondary and Early Latent cases.

After 3 years of declining case counts, 19 cases were reported in Stark County in 2008, a 3-fold increase from 2007. (See Graph) The year however ended with no new case reports in the month of December. Cases presented in a variety of stages: 1 was Primary, 3 Secondary, 5 Early Latent, 8 Latent Syphilis of Unknown Duration and 2 Neurosyphilis.

For additional information on Syphilis, refer to <http://www.odh.ohio.gov/pdf/IDCM/syphilis.pdf>, or contact the Disease Intervention Specialist at the Canton City Health Department.



Stark County Tuberculosis Case Registry, 4th Quarter Report

	4th Quarter Report 2008	Year to date stats
Suspect Cases of Reported Mycobacterium TB	12	51
Culture Confirmed Mycobacterium Tuberculosis (TB)	0	3
Culture Confirmed Mycobacterium Other Than TB (MOTTs)	4	26
Not TB, Not MOTTs	6	14
Suspects Pending	2	2

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

	December 2008				January 2008			
	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			N/A	Suspended for Season			N/A
Mold Count	Suspended for Season			N/A	Suspended for Season			N/A
Air Quality Index	19	14	17.7	All Good	42	8	19.9	All Good

Pollen and Mold counts are derived from rotorod samples on the 2nd story roof of the Canton City Health Department. 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 2.5 continuous monitoring on CCHD 2nd floor roof top and ozone monitors in Canton, Brewster, and Alliance. 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

	December-08	YTD 2008	2007 Total
Live Births	359	5169	5057
Births to Teens	33	580	537
Deaths	239	4027	4061

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.

	2003	2004	2005	2006	2007
Birth	1260	1240	1211	1282	1340
Death	1110	1040	1140	1076	1076

Table 4 – Summary of Select Reportable Diseases for Dec, 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/eпо/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			
	Dec-08	YTD 2008	YTD 2007	Dec-08	YTD 2008	YTD 2007	Dec-08	YTD 2008	YTD 2007	Dec-08	YTD 2008	YTD 2007	Dec-08	YTD 2008	YTD 2007	5 Yr annual average
Amebiasis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.4
Campylobacteriosis	0	1	3	0	11	12	0	4	1	5	41	35	5	57	51	51.8
Chlamydia	9	102	94	89	641	660	18	91	73	27	288	303	143	1122	1130	1126.4
Creutzfeldt-Jakob Ds	0	0	0	0	0	0	0	0	0	0	3	3	0	3	3	0.6
Cryptosporidiosis	0	2	0	1	6	2	0	1	4	0	15	19	1	24	25	14
E Coli 0157	0	0	0	0	1	0	0	0	0	0	0	2	0	1	2	2.4
E Coli	0	0	0	0	0	0	0	0	0	0	1	1	0	1	1	3
Enceph., WNV	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	3.6
Enceph., Other	0	1	2	0	0	0	0	0	0	0	2	0	0	3	2	2.8
Giardiasis	0	1	5	1	12	9	0	2	5	3	24	23	4	39	42	49.2
Gonorrhea	0	16	17	40	464	424	3	31	53	8	81	118	51	592	612	646
Haemo. Influz., Bac	0	0	0	0	2	1	0	0	1	0	6	0	0	8	2	5.8
Hepatitis A	0	0	1	0	1	1	0	3	0	0	0	5	0	4	7	8
Hepatitis B*	0	1	2	2	15	20	0	6	3	0	17	26	2	39	51	44.6
Hepatitis C*#	0	25	19	2	74	98	1	26	21	6	91	106	9	216	244	273.5
Kawasaki Syndrome	0	3	0	0	1	0	0	0	0	0	0	0	0	4	0	3.6
Legionellosis	0	0	0	0	6	3	0	0	0	0	10	7	0	16	10	12.2
Listeriosis	0	0	0	0	0	0	0	0	0	0	3	2	0	3	2	2.4
Lyme Disease	0	0	0	0	0	1	0	0	0	0	3	1	0	3	2	2.6
Malaria	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.8
Meningitis, Asep	0	3	2	0	7	26	0	0	3	2	20	29	2	30	60	53.8
Meningitis Bac.	0	0	1	0	1	0	0	0	0	0	2	1	0	3	2	4.4
Meningococcal Dis.	0	0	0	0	0	0	0	0	0	0	1	1	0	1	1	2.4
Mumps	1	1	0	0	0	0	0	1	0	0	1	0	1	3	0	0.4
Pertussis	0	0	0	0	2	2	0	0	0	0	1	6	0	3	8	17
Salmonellosis	3	6	5	1	6	5	0	4	3	1	28	24	5	44	37	49.4
Shigellosis	0	0	1	14	92	2	2	40	0	8	81	3	24	213	6	11.8
Strep Inv A GAS	0	0	0	0	2	3	0	0	0	0	8	4	0	10	7	12.2
Strep B Newborn	0	0	1	0	0	1	0	0	1	0	2	1	0	2	4	2
Strep Pneu ISP	1	4	3	0	11	22	0	3	2	4	38	27	5	56	54	47.8
TSS Strep & Staph	0	1	0	0	0	0	0	0	0	0	2	2	0	3	2	0.4
Typhoid Fever	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.4
Varicella#	0	6	10	0	7	25	0	3	5	5	38	113	5	54	153	#
Vibriosis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2
Yersiniosis	0	0	0	0	1	0	0	0	1	0	2	4	0	3	5	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.