

*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 might be under investigation; and, at any given time, data might fluctuate from month to month for a specific category.

**IN THE NEWS:**

In Ohio, the Infectious Disease Control Manual (IDCM) is a reference for health departments, hospitals, laboratories and physicians, providing information about infectious diseases from a public health perspective, including reporting requirements and recommendations for prevention and control. It is fully available on line at <http://www.odh.ohio.gov/healthResources/infectiousDiseaseManual.aspx>

The IDCM is based on Communicable Disease Rules 3701-3-01 through 3701-3-30 of the Ohio Administrative Code (OAC). These rules, as well as additional rules which pertain to infectious disease reporting and disease control are in Section 2 of the IDCM.

Each reportable disease is described in Section 3 of the IDCM including reporting requirements, the causative agent, the Centers for Disease Control and Prevention (CDC) or ODH surveillance case definition, signs and symptoms, diagnostic criteria, epidemiology, and public health case management. CDC and ODH case report forms are also included, as appropriate. If available, disease fact sheets, suitable for distribution to the public, are included.

Recently an evaluation of local reporting facilities was completed to determine compliance with reporting requirements as outlined in the IDCM. The evaluation focused on diseases reported by Stark County Facilities and categorized as Class A and B1 diseases, those requiring reporting immediately or by the end of the next business day. The disease classes include such diseases as Meningitis, Salmonella, E Coli, Tuberculosis, Legionella and Pertussis.

The evaluation, which covered a four year span, found an improvement in reporting of diseases in 2010, as compared with the previous 3 years. Year-to-date in 2010 the average number of days it takes a local health department to receive a report from a facility is 2.24 days with a median of 2 days. This is a significant reduction from 2009 which averaged 3.2 days and had a median of 2.5 days. Additionally in 2010, it took from 0 – 13 days for a local health department to receive a Class A or B1 disease report, accounting for the narrowest range in the 4 year evaluation. Unfortunately, with a range that has a high of 13 days to report a disease that is required to be reported by the next business day, there is room for improvement. However, it is encouraging to note that reporting is improving.

To improve reporting, a two-page document titled Public Health reporting of a Class A Disease or Condition in Stark County, Ohio, is updated and distributed annually. If you need a copy of the document which provides daytime and after hours contact information as well as a one page outline of reportable diseases, contact your local health department Communicable Disease Nurse or Epidemiologist.

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

	Nov 2010				Dec 2009			
	Monthly High	Monthly Low	Monthly Median	Counts in highest reported health risk category	Monthly High	Monthly Low	Monthly Median	Counts in highest reported health risk category
Pollen Count	No reporting during Winter Months				No reporting during Winter Months			
Mold Count								
Air Quality Index	60	10	29	5 Moderate	79	7	36	8 Moderate

\*\*See the following websites for updated Air Quality Index and mold index terminology and color-coding <http://www.airnow.gov/index.cfm?action=aqibasics.aqi> [https://pollen.aaaai.org/nab/index.cfm?p=reading\\_charts](https://pollen.aaaai.org/nab/index.cfm?p=reading_charts)  
Data source for this table is the Air Quality Division of the Canton City Health Department.

**Table 2 Summaries of Select Vital Statistics for Stark County**

	Nov-2010	YTD 2010	2009 Total
Live Births	424	4259	4839
Births to Teens	37	426	521
Deaths	317	3669	4110

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

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

	2004	2005	2006	2007	2008
Birth	1172*	1163*	1191*	1190*	1166*
Death	971*	1022*	1000*	1035*	1067

\*Source: Ohio Department of Health Data Warehouse

If you have any questions, including how to receive copies of this report, please contact Karen Schanz at 330.493.9928 or [Schanzk@starkhealth.org](mailto:Schanzk@starkhealth.org) or Christina Henning at 330.489.3327 or [Chenning@cantonhealth.org](mailto:Chenning@cantonhealth.org).

**Table 4: Jurisdictional summary of Reportable Diseases in Stark County, OH**

	Alliance City		Canton City		Massillon City		Stark County		All	
	Nov	YTD	Nov	YTD	Nov	YTD	Nov	YTD	Nov	YTD
Campylobacteriosis	0	1	1	11	0	6	3	28	4	46
Chlamydia infection	10	102	71	675	11	110	32	347	124	1234
Cryptosporidiosis	0	1	0	1	0	2	1	17	1	21
Dengue	0	0	0	0	0	0	1	2	1	2
E. coli - enterohemorrhagic (stp) O157:H7	0	0	0	0	0	0	0	3	0	3
E. coli - enterohemorrhagic (shiga toxin producing) Unknown serotype	0	0	0	0	0	0	0	2	0	2
Giardiasis	0	2	0	9	0	8	4	44	4	63
Gonococcal infection	3	39	21	200	2	31	14	108	40	378
Haemophilus influenzae (invasive disease)	0	0	0	2	0	0	0	6	0	8
Hepatitis B (including delta) - acute	0	1	0	2	0	0	1	2	1	5
Hepatitis B (including delta) - chronic	0	4	0	15	0	2	0	13	0	34
Hepatitis C - acute	0	0	0	2	0	0	0	2	0	4
Hepatitis C - chronic	2	19	5	74	3	30	10	103	20	226
Influenza-associated hospitalization	0	0	1	2	0	0	1	2	2	4
LaCrosse virus disease	0	0	0	0	0	0	0	2	0	2
Legionellosis - Legionnaires' Disease	0	0	0	5	0	3	0	7	0	15
Listeriosis	0	0	0	1	0	0	0	0	0	1
Lyme Disease	0	0	0	0	0	0	0	3	0	3
Malaria	0	0	0	0	0	0	0	2	0	2
Meningitis - aseptic/viral	0	2	1	10	0	1	0	16	1	29
Meningitis - bacterial (Not N. meningitidis)	0	0	0	1	0	0	0	1	0	2
Meningococcal disease - Neisseria meningitidis	0	0	0	1	0	0	0	0	0	1
Mumps	0	1	0	0	0	0	0	0	0	1
Mycobacterial disease - not tuberculosis	0	4	0	6	0	3	1	19	1	32
Pertussis	6	60	0	3	4	6	1	33	11	102
Rocky Mountain spotted fever (RMSF)	0	0	0	0	0	0	0	1	0	1
Salmonellosis	0	2	0	3	0	1	1	28	1	34
Shigellosis	0	0	0	0	0	0	0	4	0	4
Streptococcal - Group A -invasive	0	0	2	4	0	0	1	6	3	10
Streptococcal - Group B - in newborn	0	0	1	1	0	1	0	1	1	3
Streptococcus pneumoniae - invasive antibiotic resistance unk or non-resistant	0	0	0	2	0	3	2	17	2	22
Streptococcus pneumoniae - invasive antibiotic resistant/intermediate	0	1	0	6	0	3	1	9	1	19
Syphilis, Total	0	2	0	3	0	0	0	3	0	9
Syphilis, Pr & Secondary	0	1	0	1	0	0	0	2	0	4
Varicella	0	3	1	7	0	1	8	45	9	56

Case Definitions for Infectious Conditions Under Public Health Surveillance can be found in “MMWR 1997; 46 (No. RR-10). This report contains confirmed, probable and suspect cases, as reported by the local health jurisdictions in Stark County, Ohio.

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

	Stark County Totals					
	Nov 2010	YTD 2010	YTD 2009	All of 2009	5 Yr annual average	Rate
Amebiasis	0	0	0	0	0.2	0.05
Anaplasmosis	0	0	0	0	0.2	0.05
Campylobacteriosis	4	46	53	55	50.8	13.44
Chlamydia	124	1234	1086	1190	1216	321.61
Creutzfeldt-Jakob Disease	0	0	2	3	1.4	0.37
Cryptosporidiosis	1	21	18	19	18.6	4.92
Cytomegalovirus, Congenital	0	0	1	1	1.2	0.32
Dengue	1	2	0	0	0.2	0.05
Enceph., Post Other	0	0	0	0	0.2	0.05
Enceph, Primary viral	0	0	0	0	1.6	0.42
E. coli - enterohemorrhagic (STP) NOT O157:H7	0	0	3	3	0.4	0.11
E. coli - enterohemorrhagic (STP) O157:H7	0	3	4	4	2.8	0.74
E coli , STP, Unknown	0	2	1	1	2.2	0.58
Giardiasis	4	63	56	57	43.8	11.58
Gonorrhea	40	378	395	435	567	149.96
Haemo. Influz., Bacteria	0	8	9	9	5.8	1.53
Hemolytic Uremic Syndrome	0	0	0	0	0.8	0.21
Hepatitis A	0	0	2	2	3	0.79
Hep B, Acute	1	5	2	2	3	0.79
Hep B, Chronic	0	34	39	39	29.4	7.78
Hep C, Acute	0	4	4	4	2.8	0.74
Hep C, Past or Present	20	226	182	190	216.6	57.29
Herpes, Congenital	0	0	1	1	0.4	0.11
Influenza A - novel virus infection	0	0	2	2	0.4	0.11
Influenza-Hospitalized	2	4	186	194	N/A	N/A
LaCrosse virus disease	0	2	0	0	0	0
Legionellosis	0	15	19	21	14.8	3.91
Listeriosis	0	1	4	4	3.2	0.85
Lyme Disease	0	3	4	4	1.4	0.37
Malaria	0	2	3	3	0.6	0.16
Meningitis, Asep	1	29	22	23	40.2	10.63
Meningitis Bac.	1	2	5	5	2.2	0.58
Meningococcal Dis.	0	1	1	1	1.2	0.32
Mumps	0	1	0	1	1	0.26
Mycobacterial disease - other than tuberculosis	0	32	18	20	16.8	4.44
Pertussis	11	102	47	48	22	5.82
Rheumatic fever	0	0	0	0	0.2	0.05
Rocky Mountain Spotted	0	1	0	0	0.2	0.05
Salmonellosis	1	34	37	39	39.4	10.42
Shigellosis	0	4	28	28	51.8	13.7
Strep Inv A GAS	3	10	6	7	7.6	2.01
Strep B Newborn	1	3	5	5	3.2	0.85
Strep toxic shock (STSS)	0	0	0	0	0.6	0.16
Streptococcus pneumoniae - invasive antibiotic resistance unknown or non-resistant	2	22	30	31	31	8.2
Streptococcus pneumoniae - invasive antibiotic resistant/intermediate	1	19	15	16	24.2	6.4
Syphilis, Total	0	9	9	9	14	3.7
Syphilis, Pri & Secondary	0	4	4	4	4.6	1.22
Toxic shock syndrome (TSS)	0	0	0	0	0.4	0.11
Typhoid Fever	0	0	0	0	0.2	0.05
Varicella#	9	56	57	61	121	32
West Nile Virus	0	0	0	0	0.8	0.21
Yersiniosis	0	0	0	0	1.6	0.42

This report includes confirmed, probable and suspect cases, as reported in the Ohio Disease Reporting System (ODRS).

\*Annual Rate per 100,000 population is derived from a five year average of disease incidence and on a total population of 378,098