

EPI Gram is a monthly publication of the Stark County Public Health Infrastructure 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.

Monthly Highlight:

HIV/AIDS in Stark County: Every year the Stark County Regional Advisory Group (RAG) prepares a presentation entitled “EPI Profile for the HIV/AIDS Community”. This year’s profile was completed utilizing data provided by the Disease Intervention Specialist (DIS). The DIS interviews newly diagnosed HIV/AIDS individuals in our community. The information provides a current picture of the cases that have been diagnosed within our community.

This profile compared end of year data for 2010 with data available from 01/01/2005 through 06/30/2011. The results revealed an increase in the number of newly diagnosed cases and in the percentage of those within the age group of 15-34 years. While the individual number of cases is predominantly white male, racial disparities are significant when comparing by population rates. The rate of the African American/Black population, already the largest affected by rate, increased significantly in 2010. (See graphs) As in past years, the number one risk factor in Stark County is male-to-male sexual contact; however in 2010, nearly 31% of cases reported heterosexual contact as their primary risk factor for HIV/AIDS. The Epi Profile also included information on trends in sexually transmitted diseases including Chlamydia and Gonorrhea and Teen Pregnancy, which in 2008 was estimated at a rate of 32.5 per 1,000 females.

Additional information on HIV/AIDS statistics in Stark County can be found on the ODH website and by contacting the Canton City Health Department.

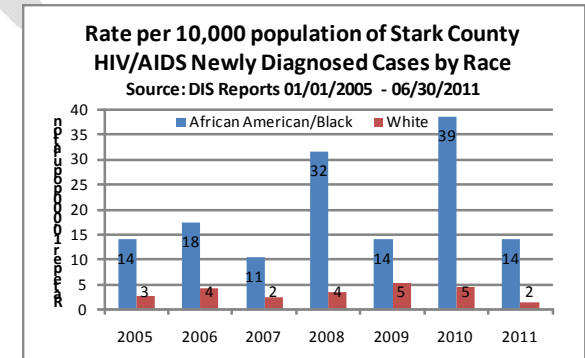
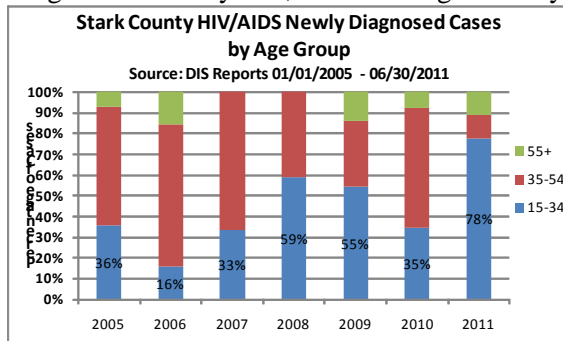
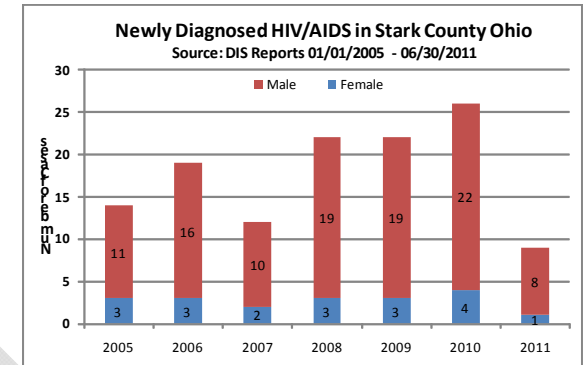


Table 1 Summary of Air Quality Index, Pollen, and Mold Counts for Stark County, Ohio, including historical data.

	August 2011				September 2010			
	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	150	5	48	N/A	220	2	64	N/A
Mold Count	12,990	3,680	6,405	10 Moderate	12,370	830	4,000	3 Moderate
Air Quality Index	71	26	42	4 Moderate	77	14	39	6 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
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

	Aug 2011	YTD 2011	2010 Total
Live Births			4521
Births to Teens			457
Deaths	Temporarily Unavailable		4102

Table 3 Stark County Crude Birth and Death Rates

	2005	2006	2007	2008	2009
Birth	1163*	1191*	1190*	1166*	1139*
Death	1022*	1000*	1035*	1055*	**

*Source: Ohio Department of Health Data Warehouse. Rates are per 100,000 population.

**Data not available

If you have any questions, including how to receive copies of this report, please contact Christina Henning at 330.489.3327 or Chenning@cantonhealth.org.

Table 4: 2011 Jurisdictional Summary of Reportable Diseases in Stark County, OH

	Alliance City		Canton City		Massillon City		Stark County		All Departments	
	Aug	YTD	Aug	YTD	Aug	YTD	Aug	YTD	Aug	YTD
Campylobacteriosis	2	4		4	1	4	4	19	7	31
Chlamydia infection	12	85	66	473	16	89	42	310	136	957
Creutzfeldt-Jakob Disease								2	0	2
Cryptosporidiosis				3			2	8	2	11
Dengue							1	1	1	1
E Coli (STP) NOT O157:H7								1	0	1
E Coli (STP) O157:H7						1		1	0	2
Ehrlichiosis				1					0	1
Giardiasis		1	1	10		2	6	36	7	49
Gonococcal infection	5	55	42	252	3	24	23	94	73	425
Haemophilus influenzae		1		1				3	0	5
Hepatitis A								1	0	1
Hepatitis B- Perinatal Infection								1	0	1
Hepatitis B- Acute								1	0	1
Hepatitis B-Chronic		1		6	2	2		7	2	16
Hepatitis C - acute				1		2		1	0	4
Hepatitis C - chronic	1	13	8	60	1	23	12	77	22	173
Influenza-associated hospitalizations		8		41		12		79	0	140
LaCrosse Virus								1	0	1
Legionellosis						1	1	3	1	4
Listeriosis								1	0	1
Lyme Disease		1	1	2			1	7	2	10
Malaria								1	0	1
Meningitis - aseptic/viral	4	6	3	13	3	12	6	15	16	46
Meningitis - bacterial (Not N. meningitidis)				1		1			0	2
Meningococcal disease -								1	0	1
Mycobacterial disease-Not TB		2		2		1	1	10	1	15
Pertussis							1	10	1	10
Rocky Mountain Spotted Fever		1						1	0	2
Salmonellosis		1	1	2			5	20	6	23
Streptococcal - Group A -Invas				4				11	0	15
Streptococcal -Group B in Newborn				1			1	1	1	2
Streptococcus Toxic Shock				1				1	0	2
Strep pneumo resistance unk or non-resistant		2	1	5		4	2	17	3	28
Strep pneumo antibiotic resistant/intermediate		2		2		2		7	0	13
Syphilis, Pr & Secondary				4						4
Syphilis, Total		1		5				1		7
Varicella		3	1	2		1	1	9	2	15
Vibriosis				1					0	1

Source: Ohio Department of Health, Ohio Disease Reporting System

**Table 5 – 2011 Summary Table of Diseases Reported in the previous 5 years within Stark County, OH.
(Provisional Data)**

	Aug	YTD 2011	YTD 2010	All of 2010	5 Yr annual average	Rate
Campylobacteriosis	7	31	32	50	52	13.7
Chlamydia	136	957	855	1320	1188	313.12
Coccidioidomycosis	0	0	0	0	1	0.26
Creutzfeldt-Jakob Disease	0	2	0	0	3	0.7
Cryptosporidiosis	2	11	17	23	22	5.8
Cytomegalovirus, Congenital	0	0	0	0	1	0.26
Dengue	1	1	1	1	1	0.26
E. coli - enterohemorrhagic (STP) NOT O157:H7	0	1	1	1	2	0.53
E. coli - enterohemorrhagic (STP) O157:H7	0	2	3	3	3	0.9
E coli , STP, Unknown	0	0	1	1	1	0.37
Ehrlichiosis (Anaplasmosis)	0	1	0	0	1	0.26
Encephalitis - post other infection	0	0	0	0	1	0.26
Encephalitis - primary viral	0	0	0	0	2	0.53
Giardiasis	7	49	40	69	49	12.86
Gonorrhea	73	425	256	406	527	138.83
Haemo. Influz., Bacteria	0	5	7	8	6	1.63
Hemolytic Uremic Syndrome	0	0	0	0	2	0.53
Hepatitis A	0	1	0	0	5	1.19
Hepatitis B - Perinatal Infection	0	1	0	2	4	1.05
Hep B, Acute	0	1	4	5	5	1.21
Hep B, Chronic	2	16	30	38	39	10.38
Hep C, Acute	0	4	4	4	4	1.05
Hep C, Past or Present	22	173	171	231	232	61.09
Herpes, Congenital	0	0	0	0	1	0.26
Influenza-Hospitalized	0	140	1	7	N/A	N/A
LaCrosse virus disease	0	1	0	2	2	0.53
Legionellosis	1	4	11	16	15	3.9
Listeriosis		1	1	1	3	0.79
Lyme Disease	2	10	2	4	3	0.79
Malaria	0	1	2	2	3	0.66
Meningitis, Asep	16	46	19	33	38	9.91
Meningitis Bac.	0	2	2	2	3	0.74
Meningococcal Dis.	0	1	1	2	1	0.32
Mumps	0	0	1	1	2	0.4
Mycobacterial disease - other than tuberculosis	1	15	24	32	22	5.69
Pertussis	1	10	28	106	35	9.22
Rheumatic fever	0	0	0	0	1	0.26
Q Fever, Chronic	0	0	0	0	0	0
Rocky Mountain Spotted	0	2	0	1	1	0.26
Salmonellosis	6	23	26	34	41	10.8
Shigellosis	0	0	4	4	51	13.33
Strep Inv A GAS	0	15	5	12	10	2.53
Strep B Newborn	1	2	2	4	4	0.95
Strep toxic shock (STSS)	0	2	0	0	2	0.4
Strep pneumo - invasive antibiotic resistance unk or non-resistant	3	28	13	25	28	7.48
Streptococcus pneumo - invasive antibiotic resistant/intermediate	0	13	12	20	24	6.27
Syphilis, Total	0	7	7	10	14	3.74
Syphilis, Pri & Secondary	0	4	3	4	4	1.16
Toxic shock syndrome (TSS)	0	0	0	1	2	0.4
Typhoid Fever	0	0	0	0	1	0.26
Varicella#	2	15	26	56	119	31.41
Vibriosis	0	1	0	0	0	0
West Nile Virus	0	0	0	0	2	0.53
Yersiniosis	0	0	0	0	3	0.88

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 379,466