

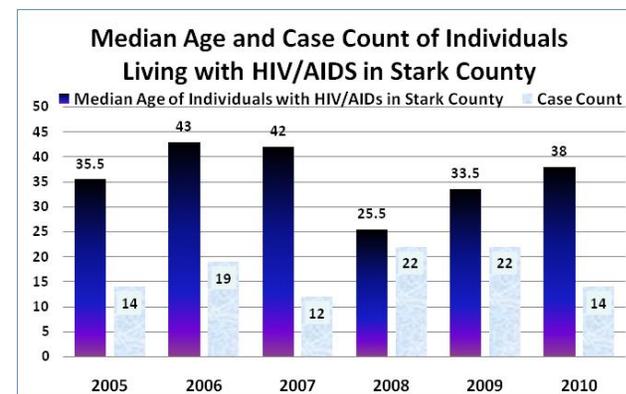
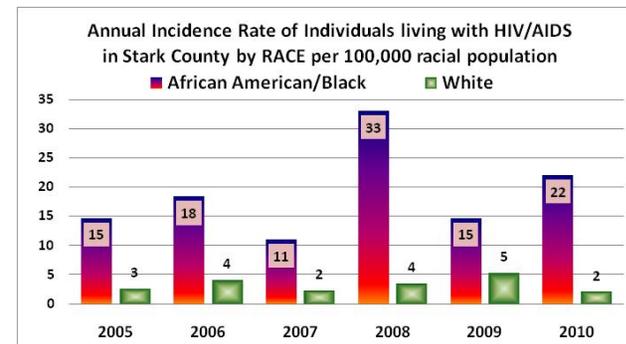
**EPI Gram** is a monthly publication of the Stark County Public Health Coalition. It contains a summary of provisional communicable disease reports and other key public health indicators, with summary tables for Stark County, Ohio. Some reportable conditions might be under investigation; and, at any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

### IN THE NEWS:

**HIV/AIDS:** On July 13, 2010, the President and the National Office of AIDS Policy released a National HIV/AIDS Strategy for the United States. The Strategy has three primary goals: 1) reducing the number of people who become infected with HIV, 2) increasing access to care and optimizing health outcomes for people living with HIV, and 3) reducing HIV-related health disparities. Achieving success will require coordinated and concerted efforts within our community, including local health departments, the scientific and medical communities, non-governmental organizations, people living with HIV, and others.

With 14 individuals found to be positive in just the first half of this year, our population in Stark County continues to be affected by HIV/AIDS. The number of individuals found positive this year is fast approaching our 5-year average of 18. From 2005 through June 2010, the most affected population is white men with a transmission category of male-to-male sexual contact. However, our cases also include women, of both African American and White descent, and a disproportionate number of African American Males. The chart to the right visually displays the large disparity in the rate of African Americans infected with HIV/AIDS in Stark County as compared with the White population. Adults of all ages are at risk for disease with cases during this 5 ½ year period range in age from 17-68 years. The lower chart on the right displays the median age of affected individuals along with the annual incidence of disease. Additional risk factors for disease include recreational drug use which includes alcohol, marijuana and non-prescription drugs; 74% of those interviewed in the last 1 ½ years reported recreational drug use. Additionally, two individuals the previous year and a half also described intravenous drug use (IDU).

The Regional Advisory Group can provide additional details and comments regarding local prevention strategies. Together we can reduce the incidence and disparity of disease related to HIV/AIDS.



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

	July 2010				Aug 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	20	5	10	N/A	100	25	40	N/A
Mold Count	10,130	2030	4,550	6 Moderate	13,710	1,270	4,630	1 High
Air Quality Index	135	30	48	2 Unhealthy for Sensitive Groups	94	19	55	14 Moderate

\*See the following website for updated Air Quality Index terminology and color coding <http://www.aimow.gov/index.cfm?action=aqbasics.aqi> Data source for this table is the Air Quality Division of the Canton City Health Department.

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

	July-2010	YTD 2010	2009 Total
Live Births	424	2661	4839
Births to Teens	42	280	521
Deaths	317	2397	4110

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

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

\*Source: Ohio Department of Health Data Warehouse

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

**Table 4: Jurisdictional summary of reportable diseases in Stark County, Ohio**

	Alliance City		Canton City		Massillon City		Stark County		All	
	July	YTD	July	YTD	July	YTD	July	YTD	July	YTD
Campylobacteriosis	1	1	2	8	2	4	3	15	8	28
Chlamydia infection	5	56	47	420	11	70	27	222	90	768
Cryptosporidiosis	0	0	0	0	1	1	1	11	2	12
E. coli - enterohemorrhagic (STP) O157:H7	0	0	0	0	0	0	1	3	1	3
Giardiasis	0	0	0	4	1	3	12	24	13	31
Gonococcal infection	6	24	14	107	2	22	11	66	33	219
Haemophilus influenzae (invasive disease)	0	0	0	1	0	0	3	5	3	6
Hepatitis B (including delta) - acute	1	1	0	2	0	0	0	1	1	4
Hepatitis B (including delta) - chronic	0	3	2	11	0	1	2	12	4	27
Hepatitis C - acute	0	0	0	0	0	0	0	1	0	1
Hepatitis C - chronic	0	10	9	52	5	20	10	66	24	148
Influenza-associated hospitalization	0	0	0	0	0	0	0	1	0	1
Legionellosis - Legionnaires' Disease	0	0	1	1	0	3	1	4	2	8
Lyme Disease	0	0	0	0	0	0	0	2	0	2
Malaria	0	0	0	0	0	0	1	2	1	2
Meningitis - aseptic/viral	0	1	1	5	0	0	0	10	1	16
Meningitis - bacterial (Not N. meningitidis)	0	0	1	1	0	0	0	1	1	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 - other than tuberculosis	0	2	1	4	1	3	0	12	2	21
Pertussis	1	4	1	2	0	0	3	8	5	14
Salmonellosis	0	2	0	3	0	0	5	21	5	26
Shigellosis	0	0	0	0	0	0	0	4	0	4
Streptococcal - Group A -invasive	0	0	0	0	0	0	1	4	1	4
Streptococcal - Group B - in newborn	0	0	0	0	0	1	0	1	0	2
Streptococcus pneumo - invasive antibiotic resistance unk or non-resistant	0	0	0	1	0	1	0	11	0	13
Streptococcus pneumoniae - invasive antibiotic resistant/intermediate	0	1	1	4	0	1	0	5	1	11
Syphilis, Total	0	2	0	2	0	0	0	3	0	7
Syphilis, Pr & Secondary	0	1	0	0	0	0	0	3	0	4
Varicella	0	2	0	4	0	0	0	20	0	26

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					
	Jul 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	8	28	34	55	50.8	13.44
Chlamydia	90	769	702	1191	1216	321.61
Creutzfeldt-Jakob Disease	0	0	1	3	1.4	0.37
Cryptosporidiosis	2	12	9	19	18.6	4.92
Cytomegalovirus, Congenital	0	0	1	1	1.2	0.32
Dengue	0	0	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	1	3	2	4	2.8	0.74
E coli , STP, Unknown	0	0	1	1	2.2	0.58
Giardiasis	13	31	46	57	43.8	11.58
Gonorrhea	33	220	255	436	567	149.96
Haemo. Influz., Bacteria	3	6	6	9	5.8	1.53
Hemolitic Uremic Syndrome	0	0	0	0	0.8	0.21
Hepatitis A	0	0	1	2	3	0.79
Hep B, Acute	1	4	2	2	3	0.79
Hep B, Chronic	4	27	23	39	29.4	7.78
Hep C, Acute	0	1	1	4	2.8	0.74
Hep C, Past or Present	24	148	108	193	216.6	57.29
Herpes, Congenital	0	0	0	1	0.4	0.11
Influenza A - novel virus infection	0	0	2	2	0.4	0.11
Influenza-Hospitalized	0	1	59	194	N/A	N/A
Legionellosis	2	8	9	21	14.8	3.91
Listeriosis	0	0	1	4	3.2	0.85
Lyme Disease	0	2	3	4	1.4	0.37
Malaria	1	2	3	3	0.6	0.16
Meningitis, Asep	1	16	9	23	40.2	10.63
Meningitis Bac.	1	2	4	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	2	21	7	20	16.8	4.44
Pertussis	4	13	23	48	22	5.82
Rheumatic fever	0	0	0	0	0.2	0.05
Rocky Mountain Spotted	0	0	0	0	0.2	0.05
Salmonellosis	5	26	26	39	39.4	10.42
Shigellosis	0	4	24	28	51.8	13.7
Strep Inv A GAS	1	4	6	7	7.6	2.01
Strep B Newborn	0	2	2	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	0	13	25	31	31	8.2
Streptococcus pneumoniae - invasive antibiotic resistant/intermediate	1	11	9	16	24.2	6.4
Syphilis, Total	0	7	4	9	14	3.7
Syphilis, Pri & Secondary	0	4	3	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#	0	26	39	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