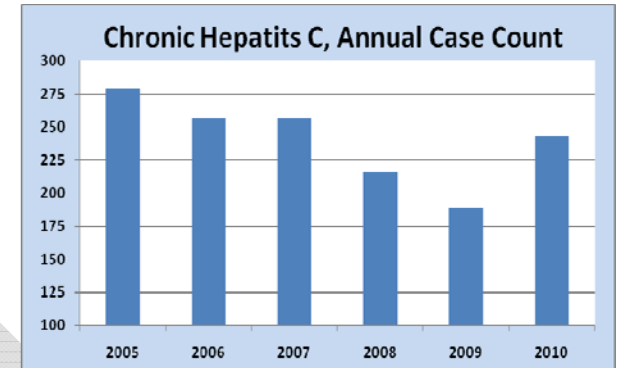


EPI Gram is a monthly publication of the Stark County Public Health Coalition. It contains a summary of provisional communicable disease reports and other key public health indicators, with summary tables for Stark County, Ohio. Some reportable conditions might be under investigation; and, at any given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

IN THE NEWS: Chronic Hepatitis C: The number of reported Chronic Hepatitis C cases was 67% higher in Jan 2011 as compared with Jan 2010. This is the highest reported in any January since it became a reportable illness in 2003. This is chilling as 2010 saw the reversal in a trend of declining incidence, (See graph) and, as reported in the Canton Repository on Sunday 02/13/2011, Stark County is seeing an increase in heroin use, which is an injectable drug.



Injecting-drug use consistently has accounted for a substantial proportion of HCV infections and currently accounts for 60% of HCV transmission in the United States.

Chronic Hepatitis C is a leading cause of chronic liver disease, the tenth leading cause of death among adults in the United States... Additionally HCV-associated end-stage liver disease is the most frequent indication for liver transplantation among adults. Because most HCV-infected persons are aged 30-49 years, the number of deaths attributable to HCV-related chronic liver disease could increase substantially during the next 10-20 years as this group of infected persons reaches ages at which complications from chronic liver disease typically occur.

Reducing the burden of HCV infection and HCV-related disease in the United States requires implementation of primary prevention activities to reduce the risk for contracting HCV infection and secondary prevention activities to reduce the risk for liver and other chronic diseases in HCV-infected persons... (Recommendations include the early) identification, counseling, and testing of persons at risk for HCV infection, and the appropriate medical evaluation and management of HCV-infected persons. Persons who should be tested routinely for hepatitis C virus (HCV) infection based on their risk for infection:

- Persons who ever injected illegal drugs, including those who injected once or a few times many years ago and do not consider themselves as drug users.
- Persons with selected medical conditions
- Prior recipients of transfusions or organ transplants
- Healthcare, emergency medical, and public safety workers after needle sticks, sharps, or mucosal exposures to HCV-positive blood.
- Children born to HCV-positive women

(Source: <http://www.cdc.gov/mmwr/preview/mmwrhtml/00055154.htm>)

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

	Jan 2011				Feb 2011			
	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
Air Quality Index	46	1	23	All Good	111	6	58	2 Unhealthy

**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

	Jan 2011	YTD 2011	2010 Total
Live Births	281	281	4521
Births to Teens	30	30	457
Deaths	434	434	4102

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 or Christina Henning at 330.489.3327 or Chenning@cantonhealth.org.

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

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

	Alliance City		Canton City		Massillon City		Stark County		All Departments	
	Jan	YTD	Jan	YTD	Jan	YTD	Jan	YTD	Jan	YTD
Campylobacteriosis							1	1	1	1
Chlamydia infection	8	8	67	67	4	4	34	34	113	113
Cryptosporidiosis							3	3	3	3
Giardiasis					1	1	4	4	5	5
Gonococcal infection	3	3	25	25			8	8	36	36
Haemophilus influenzae (invasive disease)							2	2	2	2
Hepatitis B (including delta) - acute	1	1							1	1
Hepatitis C - acute			1	1					1	1
Hepatitis C - chronic	2	2	9	9	3	3	11	11	25	25
Influenza-associated hospitalization			12	12	4	4	24	24	40	40
Listeriosis							1	1	1	1
Meningitis - aseptic/viral			1	1					1	1
Meningococcal disease - Neisseria meningitidis (call health department immediately)							1	1	1	1
Mycobacterial disease - other than tuberculosis	1	1					2	2	3	3
Pertussis							6	6	6	6
Salmonellosis	1	1					1	1	2	2
Streptococcal - Group A -invasive			1	1			1	1	2	2
Streptococcus pneumoniae - invasive antibiotic resistance unknown or non-resistant							2	2	2	2
Streptococcus pneumoniae - invasive antibiotic resistant/intermediate			1	1	1	1			2	2
Syphilis, Total									0	0
Syphilis, Pr & Secondary									0	0
Varicella			1	1			2	2	3	3

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

	Jan-11	YTD 2011	YTD 2010	All of 2010	5 Yr annual average	Rate
Anaplasmosis (Ehrlichiosis)	0	0	0	0	1	0.26
Campylobacteriosis	1	1	2	50	52	13.70
Chlamydia	113	113	100	1335	1188	313.12
Coccidioidomycosis	0	0	0	0	1	0.26
Creutzfeldt-Jakob Disease	0	0	0	0	3	0.70
Cryptosporidiosis	3	3	0	23	22	5.80
Cytomegalovirus, Congenital	0	0	0	0	1	0.26
Dengue	0	0	0	1	1	0.26
E. coli - enterohemorrhagic (STP) NOT O157:H7	0	0	0	0	2	0.53
E. coli - enterohemorrhagic (STP) O157:H7	0	0	0	3	3	0.90
E coli , STP, Unknown	0	0	0	2	1	0.37
Encephalitis - post other infection	0	0	0	0	1	0.26
Encephalitis - primary viral	0	0	0	0	2	0.53
Giardiasis	5	5	3	69	49	12.86
Gonorrhea	36	36	31	409	527	138.83
Haemo. Influz., Bacteria	2	2	2	8	6	1.63
Hemolytic Uremic Syndrome	0	0	0	0	2	0.53
Hepatitis A	0	0	0	0	5	1.19
Hepatitis B - Perinatal Infection	0	0	0	4	4	1.05
Hep B, Acute	1	1	1	4	5	1.21
Hep B, Chronic	0	0	1	39	39	10.38
Hep C, Acute	1	1	1	4	4	1.05
Hep C, Past or Present	25	25	15	243	232	61.09
Herpes, Congenital	0	0	0	0	1	0.26
Influenza A - novel virus infection	0	0	0	0	2	0.53
Influenza-Hospitalized	40	40	0	7	N/A	N/A
LaCrosse virus disease	0	0	0	2	2	0.53
Legionellosis	0	0	0	16	15	3.90
Listeriosis	1	1	0	1	3	0.79
Lyme Disease	0	0	0	4	3	0.79
Malaria	0	0	0	2	3	0.66
Meningitis, Asep	1	1	1	33	38	9.91
Meningitis Bac.	0	0	0	2	3	0.74
Meningococcal Dis.	1	1	0	2	1	0.32
Mumps	0	0	0	1	2	0.40
Mycobacterial disease - other than tuberculosis	3	3	0	33	22	5.69
Pertussis	6	6	1	106	35	9.22
Rheumatic fever	0	0	0	0	1	0.26
Rocky Mountain Spotted	0	0	0	1	1	0.26
Salmonellosis	2	2	1	34	41	10.80
Shigellosis	0	0	0	4	51	13.33
Strep Inv A GAS	2	2	0	12	10	2.53
Strep B Newborn	0	0	1	4	4	0.95
Strep toxic shock (STSS)	0	0	0	0	2	0.40
Strep pneumo - invasive antibiotic resistance unk or non-resistant	2	2	3	25	28	7.48
Streptococcus pneumo - invasive antibiotic resistant/intermediate	2	2	1	20	24	6.27
Syphilis, Total	0	0	0	0	14	3.74
Syphilis, Pri & Secondary	0	0	0	0	4	1.16
Toxic shock syndrome (TSS)	0	0	0	1	2	0.40
Typhoid Fever	0	0	0	0	1	0.26
Varicella#	2	2	2	57	119	31.41
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