EPI GRAM Jan, 2011

A Monthly Publication of the Stark Public Health Infrastructure Coalition

275

250

225

200

150 125 Chronic Hepatits C, Annual Case Count

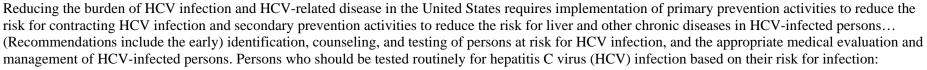
EPI Gram is a monthly publication of the Stark County Public Health Coalition. It contains a summary of provisional communicable disease reports and other key public health indicators, with summary tables for Stark County, Ohio. Some reportable conditions might be under investigation; and, at any given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

<u>IN THE NEWS:</u> 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.



- 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

2006

2007

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

				Jan 2	2011	Feb 2011					
		Monthly High Monthly Modion		Counts in highest reported	Monthly	Monthly Low	Monthly Median	Counts in highest reported health risk			
_		, 0	Low	Median	health risk category	High	J	,	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 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

<u>Table 3</u> 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

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

On		Alliance City		Canton City		Massillon		Stark County		All Departments	
	Allian Jan	ce City YTD	Canto Jan	on City YTD	Jan	ity YTD	Stark Jan	County	Depar Jan	tments YTD	
Campylobacteriosis	Jan	TID	Jan	110	Jan	110	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.

Table 5 – 2011 Summary Table of Diseases Rep	Jortea III t	ne previo	us 5 year	S WILLIIII V		nty, On.
(Provisional Data)		YTD	YTD	All of	5 Yr annual	
	Jan-11	2011	2010	2010	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 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
Hemolitc 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