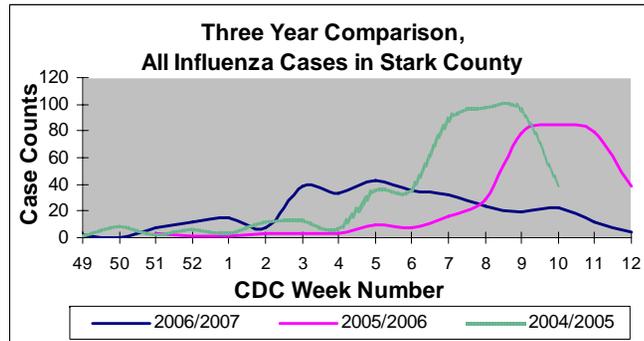


EPI GRAM-February, 2007

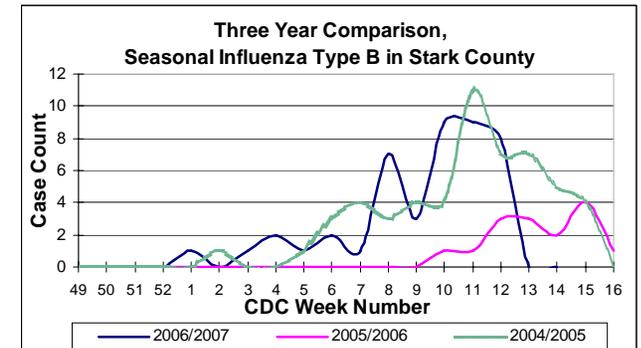
A Monthly Publication of the
Stark Public Health Infrastructure Coalition

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

IN THE NEWS:



Influenza: Based on increased reporting throughout the state, Ohio's influenza activity has been elevated to **WIDESPREAD**. **Locally**, Stark County has 332 lab confirmed cases, of which at least 44 are Influenza type B, (as of March 27). Laboratory and school Influenza-Like-Illness (ILI) reports peaked at the end of January and have since steadily declined (see 3 year comparison graph on left). A typical seasonal pattern of type B influenza has been apparent this year; type B reporting was low in



January and began a steady increase in February (see three year comparison graph on right). The Seasonal median age remains at 10 years and the seasonal average is 21 years. Influenza strains in Stark County have been identified as Influenza A/New Caledonia-like (H1N1), Influenza B/Malaysia-like, and Influenza B/Shanghai-like. All but the Influenza B/Shanghai-like were included in the 2006/2007 Influenza Vaccine. Please refer to the CDC website for changes made on February 14, 2007, regarding recommendations for the use of antiviral treatment for influenza: <http://www.cdc.gov/flu/protect/antiviral/index.htm>.

Yersiniosis is a relatively rare disease in the United States and in Stark County. It is caused by a rod shaped bacterium of the genus *Yersinia*. On the average Stark County has 2 reports per year. Nationally it affects primarily children causing fever, abdominal pain, and diarrhea, which is often bloody. Symptoms typically develop 4 to 7 days after exposure and may last 1 to 3 weeks or longer. However, in Stark County the average age affected is 36 years with a median of 40 and a range of 3 months to 78 years (data from 2001-2007 reports). In older children and adults, right-sided abdominal pain and fever may be the predominant symptoms, and may be confused with appendicitis. The leading source of infection is consumption of contaminated food particularly raw pork products.

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

	February 2007				March 2006			
	Monthly High	Monthly Low	Monthly Mean	Counts in highest reported health risk category	Monthly High	Monthly Low	Monthly Mean	Counts in highest reported health risk category
Pollen Count	Suspended for season							
Mold Count								
Air Quality Index	50	8	22.9	All Good	53	9	23.7	2 Moderate

Pollen and Mold counts are derived from rotorod samples on the 2nd story roof of Canton City Hall. The readings are from a 24 hour period\24 hour avg. on all work days. Mold counts of 6,500-12,999 are moderate and many individuals sensitive to molds may experience symptoms, counts of 13,000 to 49,999 are high and most individuals with any sensitivity to molds will experience symptoms. The Air Quality Index (AQI) is derived by comparison to EPA standards from the following readings: Particulate Matter 10, Particulate Matter 2.5 continuous on CCHD 2nd floor roof top; Sulfur Dioxide at Malone College; and ozone monitors in Canton, Brewster, Alliance, and Middlebranch. This index is produced from March to October. AQI ratings are 151-200: unhealthy (UH); 101-150: unhealthy for sensitive groups (UH sg); 51-100: moderate (M); 0-50: good (g).

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

	Feb 2007	YTD 2007	2006
Live Births	392	801	4839
Births to Teens	40	84	434
Deaths	294	639	4061

Table 3 Stark County Crude Birth and Death Rates per 100,000 population Rates are based on the US Census 2000 Stark County population of 377,438.

	2002	2003	2004	2005	2006
Birth	1270	1260	1240	1211	1282
Death	1090	1110	1040	1140	1141

Table 4 – Summary of Select Reportable Diseases for February 2007 in Stark County, Ohio (provisional data only)

Refer to “Case Definitions for Infectious Conditions Under Public Health Surveillance,” MMWR (Morbidity and Mortality Weekly Report) 1997; 46 (No. RR-10), the Ohio Department of Health Infectious Disease Control Manual or visit www.cdc.gov/epo/dphsi/casedef/index.htm for case definitions.

This report includes confirmed, probable and suspect cases.

	Alliance City			Canton City			Massillon City			Stark County			Stark County Totals			
	Feb 2007	YTD 2007	YTD 2006	Feb 2007	YTD 2007	YTD 2006	Feb 2007	YTD 2007	YTD 2006	Feb 2007	YTD 2007	YTD 2006	Feb 2007	YTD 2007	YTD 2006	5 Year annual average
Amebiasis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.4
Campylobacteriosis	0	0	0	0	0	3	1	1	0	0	3	6	1	4	9	51.8
Chlamydia	6	14		37	103		2	6		27	57		72	180		1126.4
Creutzfeldt-Jakob Ds	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.6
Cryptosporidiosis	0	0	0	0	0	0	0	0	0	0	1	3	0	1	3	14
E Coli 0157	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.4
E Coli	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Enceph., WNV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.6
Enceph., Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.8
Giardiasis	2	3	1	1	1	1	0	0	0	2	2	8	5	6	10	49.2
Gonorrhea	1	5		35	87		5	6		9	20		50	118		646
Haemo. Influz., Bac	0	0	0	0	1	1	0	0	0	0	0	0	0	1	1	5.8
Hepatitis A	0	1	0	0	0	0	0	0	1	0	0	1	0	1	2	8
Hepatitis B*	0	0	0	0	2	6	0	1	0	0	0	6	0	3	12	44.6
Hepatitis C*#	0	1	1	4	13	21	0	0	2	3	12	22	7	26	46	273.5
Kawasaki Syndrome	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.6
Legionellosis	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	12.2
Listeriosis	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	2.4
Lyme Disease	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.6
Malaria	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.8
Meningitis, Asep	0	0	0	1	2	2	0	0	0	1	1	4	2	3	6	53.8
Meningitis Bac.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.4
Meningococcal Dis.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.4
Mumps	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.4
Pertussis	0	0	0	0	1	0	0	0	0	0	1	0	0	2	0	17
Salmonellosis	1	2	0	0	1	2	0	0	0	3	4	5	4	7	7	49.4
Shigellosis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11.8
Strep Inv A GAS	0	0	1	2	2	1	0	0	0	0	1	0	2	3	2	12.2
Strep B Newborn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Strep Pneu ISP	0	0	0	2	6	1	0	0	0	1	7	7	3	13	8	47.8
Strep TSS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.4
Syphilis	0	0	0	0	0	0	0	0	0	2	2		2	2		21.6
Typhoid Fever	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.4
Varicella#	0	1	4	1	6	21	0	1	2	22	43	116	23	51	143	
Vibriosis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2
Yersiniosis	0	0	0	0	0	0	0	0	0	1	1	0	1	1	0	2

*This includes all hepatitis reports; acute, chronic, and status not known. # Incomplete 5 yr average due to a change in reporting.

If you have any questions, including how to receive copies of this report, please contact Karen Schanz at (330) 493-9928 x287 or Schanzk@starkhealth.org or Christina Henning at (330) 489-3454 or Chenning@cantonhealth.org.