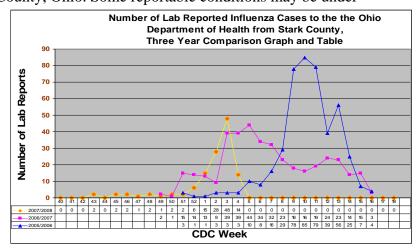
## A Monthly Publication of the Stark Public Health Infrastructure Coalition

**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:** December began with little evidence of influenza in Stark County. However, after the holidays all indicators of seasonal influenza have revealed a growing presence of activity. Of significance during December was the receipt of our first report of type B Influenza. Since December, the State of Ohio has reported two culture-confirmed Type B Influenza's, strain influenza B/Shanghai-like, from Stark County. This strain is NOT in this years influenza vaccine composition. The graph to the right highlights, in yellow, a count of all lab reported influenza cases during the 2007/2008 influenza season.



**Quarterly TB Table: Stark County Tuberculosis Case Registry** 

	1 <sup>st</sup> Quarter	2 <sup>nd</sup> Quarter	3 <sup>rd</sup> Quarter	4 <sup>th</sup> Quarter	Jan. – Dec. 2007	2006
Suspects Reported:	8	7	7	13	35	28
Culture Confirmed Mycobacterium Tuberculosis (TB):	0	1	0	1	2	3
Culture Confirmed Mycobacterium Other Than TB (MOTTS):	4	5	4	7	20	14
Not TB, Not MOTTS:	4	1	2	2	9	10
Suspects Pending:	0	0	1	3	4	1

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

			December 2007		January 2007					
	Monthly High	Monthly Low Monthly Counts in highest reported health risk category		Monthly High	Monthly Low	Monthly Mean	Counts in highest reported health risk category			
Pollen Count Mold Count		Sus	pended for Seaso	on		S	Suspended for Sea	ison		
Air Quality Index	42	5	23.9	All within "good" range	34	8	17.9	All within "good" range		

Pollen and Mold counts are derived from rotorod samples on the  $2^{nd}$  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. These indices are produced from March to October. 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  $2^{nd}$  floor roof top; Sulfur Dioxide at Malone College: and ozone monitors in Canton, Brewster, Alliance, and Middlebranch. 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

	Dec 2007	YTD 2007	YTD 2006
Live Births	314	4919	4839*
Births to Teens	21	523	434*
Deaths	345	3997	4061

<sup>\*</sup>Under reporting due to change in hirth certificate reporting mechanism, which was corrected in Ian 2007

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	1076

Table 4 – Summary of Select Reportable Diseases for December 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 <a href="https://www.cdc.gov/epo/dphsi/casedef/index.htm">www.cdc.gov/epo/dphsi/casedef/index.htm</a> for case definitions.

This report includes confirmed, probable and suspect cases.

This report merade	Alliance City Canton City			Ma	ssillon	City	Stark County			Stark County Totals						
																5 Year
	Dec	YTD	YTD	Dec	YTD	YTD	Dec	YTD	YTD	Dec	YTD	YTD	Dec	YTD	YTD	annual
	2007	2007	2006	2007	2007	2006	2007	2007	2006	2007	2007	2006	2007	2007	2006	average
Amebiasis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.4
Campylobacteriosis	0	3	1	2	12	12	0	1	4	3	35	31	5	51	48	51.8
Chlamydia	4	94	78	51	660	646	7	73	58	30	303	381	92	1130	1163	1126.4
Creutzfeldt-Jakob Ds	0	0	0	0	0	0	0	0	0	0	3	0	0	3	0	0.6
Cryptosporidiosis	0	0	0	0	2	7	0	4	1	0	19	11	0	25	19	14
E Coli 0157	0	0	0	0	0	1	0	0	0	0	2	3	0	2	4	2.4
E Coli	0	0	1	0	0	1	0	0	0	0	1	1	0	1	3	3
Enceph., WNV	0	0	0	0	1	1	0	0	0	0	0	2	0	1	3	3.6
Enceph., Other	0	2	1	0	0	0	0	0	0	0	0	1	0	2	2	2.8
Giardiasis	0	5	2	1	9	9	0	5	2	2	23	25	3	42	38	49.2
Gonorrhea	0	17	29	27	424	420	5	53	27	9	118	110	41	612	586	646
Haemo. Influz., Bac	0	0	0	0	1	2	0	1	0	0	0	2	0	2	4	5.8
Hepatitis A	0	1	1	0	1	0	0	0	1	0	5	2	0	7	4	8
Hepatitis B*	0	2	3	1	20	16	0	3	0	1	26	20	2	51	39	44.6
Hepatitis C*#	1	19	18	8	98	108	1	21	21	8	106	104	18	244	251	273.5
Kawasaki Syndrome	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	3.6
Legionellosis	0	0	0	0	3	3	0	0	1	0	7	6	0	10	10	12.2
Listeriosis	0	0	1	0	0	2	0	0	0	0	2	2	0	2	5	2.4
Lyme Disease	0	0	0	1	1	0	0	0	0	0	1	1	1	2	1	2.6
Malaria	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.8
Meningitis, Asep	1	2	6	2	26	0	0	3	4	0	29	19	3	60	29	53.8
Meningitis Bac.	1	1	0	0	0	1	0	0	0	0	1	1	1	2	2	4.4
Meningococcal Dis.	0	0	0	0	0	1	0	0	0	0	1	0	0	1	1	2.4
Mumps	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0.4
Pertussis	0	0	0	0	2	0	0	0	1	0	6	8	0	8	9	17
Salmonellosis	0	5	4	0	5	13	0	3	8	2	24	25	2	37	50	49.4
Shigellosis	1	1	0	0	2	0	0	0	0	3	3	2	4	6	2	11.8
Strep Inv A GAS	0	0	3	0	3	3	0	0	2	0	4	4	0	7	12	12.2
Strep B Newborn	0	1	0	0	1	1	1	1	1	0	1	1	1	4	3	2
Strep Pneu ISP	0	3	7	4	22	22	0	22	1	3	27	29	7	74	59	47.8
Strep TSS	0	0	0	0	0	0	0	0	0	0	2	0	0	2	0	0.4
Syphilis	0	0	3	0	2	8	0	0	0	0	7	13	0	9	24	21.6
Typhoid Fever	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0.4
Varicella#	0	10	32	3	25	49	1	5	9	4	113	181	8	153	271	
Vibriosis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2
Yersiniosis	0	0	2	0	0	0	0	1	0	0	4	0	0	5	2	2

<sup>\*</sup>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.