

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:

Event Surveillance:

The recent identification of a Novel Influenza A virus at the Huron County Fair has brought to light the need for increased surveillance during special or large-scale events. Locally, there are several events where increased surveillance and monitoring activities occur. Key tools used by the health departments for event surveillance include the comparison of current versus previous sales of over-the-counter medications and Emergency Department visits. The graphs below, completed during the 2007 Pro Football Hall of Fame Festival, are an example of event surveillance activities. However, two of the best tools that health departments have are astute practitioners and their timely reporting. Without them, Novel viruses might never be recognized and outbreaks of even common illnesses could be prolonged.

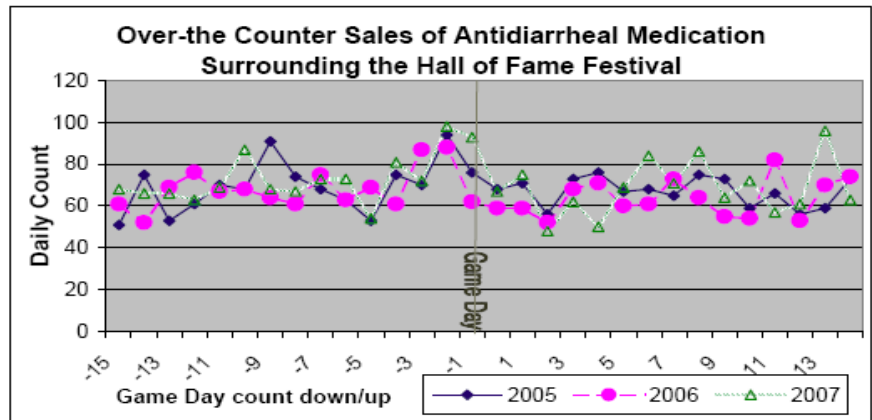
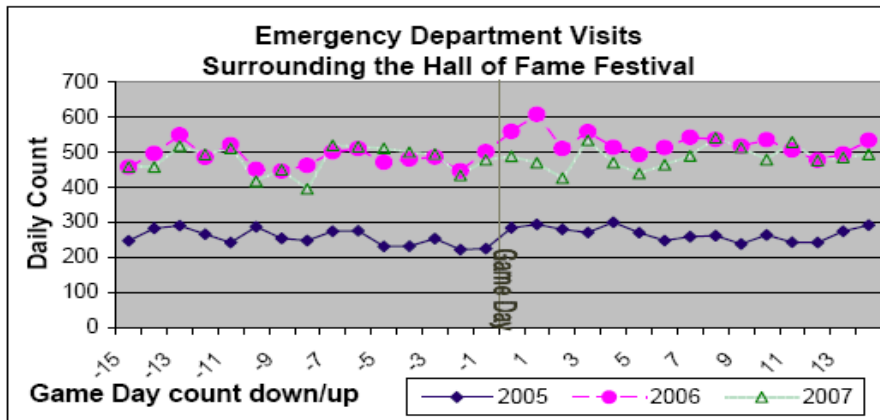


Table 1 Summary of Air Quality Index, Pollen, and Mold Counts for Stark County, Ohio, including limited historical data.

	July 2007				August 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	35	5	19	N/A	175	5	61	N/A
Mold Count	15,250	3,970	7,621	10 Mod, 1 High	21,520	6,910	13,570	10 Moderate, 13 High
Air Quality Index	77	31	44	12 Moderate	82	22	52	4 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

	July 2007	YTD 2007	2006
Live Births	462	2837	4839
Births to Teens	41	285	434
Deaths	316	2220	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 July 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			
	July 2007	YTD 2007	YTD 2006	July 2007	YTD 2007	YTD 2006	July 2007	YTD 2007	YTD 2006	July 2007	YTD 2007	YTD 2006	July 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	1	2	1	1	3	4	0	1	4	5	16	21	7	22	30	51.8
Chlamydia	8	55	48	81	361	400	8	38	28	17	160	193	114	614	669	1126.4
Creutzfeldt-Jakob Ds	0	0	0	0	0	0	0	0	0	1	2	0	1	2	0	0.6
Cryptosporidiosis	0	0	0	0	1	4	0	2	0	0	3	6	0	6	10	14
E Coli 0157	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	2.4
E Coli	0	0	1	0	0	0	0	0	0	0	1	1	0	1	2	3
Enceph., WNV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.6
Enceph., Other	0	1	0	0	0	0	0	0	0	0	0	1	0	1	1	2.8
Giardiasis	1	5	1	0	4	7	0	0	1	1	15	14	2	24	23	49.2
Gonorrhea	2	10	18	44	253	246	7	29	6	5	73	61	58	365	331	646
Haemo. Influz., Bac	0	0	0	0	1	1	0	0	0	0	0	2	0	1	3	5.8
Hepatitis A	0	0	1	0	1	0	0	0	1	2	4	2	2	5	4	8
Hepatitis B*	0	0	3	1	7	10	0	2	0	1	12	15	2	21	28	44.6
Hepatitis C*#	2	18	12	7	59	74	2	10	5	12	60	81	23	147	172	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	1	0	0	0	1	1	1	2	1	2	3	12.2
Listeriosis	0	0	1	0	0	1	0	0	0	0	1	1	0	1	3	2.4
Lyme Disease	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	2.6
Malaria	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.8
Meningitis, Asep	0	0	1	3	10	6	1	2	1	2	10	5	6	22	13	53.8
Meningitis Bac.	0	0	0	0	0	0	0	0	0	0	1	1	0	1	1	4.4
Meningococcal Dis.	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	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	0	0	5	4	0	7	4	17
Salmonellosis	0	3	2	2	4	10	1	1	1	2	13	14	5	21	27	49.4
Shigellosis	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	11.8
Strep Inv A GAS	0	1	2	0	3	3	0	0	0	0	2	2	0	6	7	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	4	0	14	17	0	0	0	3	23	18	3	37	39	47.8
Strep TSS	0	0	0	0	0	0	0	0	0	0	2	0	0	2	0	0.4
Syphilis	1	1	3	0	1	2	0	0	0	1	6	4	2	8	9	21.6
Typhoid Fever	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0.4
Varicella#	0	6	23	0	17	28	0	4	8	1	92	154	1	119	213	
Vibriosis	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0.2
Yersiniosis	0	0	0	0	0	0	1	1	0	0	4	0	1	5	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.