

March– 2006

EPI Gram is a monthly publication of the Stark County Public Health Coalition. It is a summary of provisional communicable disease reports and other key public health indicators in Stark County, Ohio. This report includes confirmed, probable and suspect cases. Some reportable conditions may be under investigation, and at any given time, data may fluctuate from month to month for a specific disease category.

Please 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.

Table 1 – Summary of Select Reportable Diseases for Mar 2006 in Stark County, Ohio (provisional data only)

	Alliance City Health			Canton City Health			Massillon City Health			Stark County Health			Stark County Totals			
	Mar 2006	YTD 2006	YTD 2005	Mar 2006	YTD 2006	YTD 2005	Mar 2006	YTD 2006	YTD 2005	Mar 2006	YTD 2006	YTD 2005	Mar 2006	YTD 2006	YTD 2005	5 Year annual average
Amebiasis													0	0	0	0.4
Campylobacteriosis				0	3	2				1	7	6	1	10	8	51.6
Creutzfeldt-Jakob Dis													0	0	0	0.6
Cryptosporidiosis				1	1	1				1	2		2	3	1	11.6
E Coli 0157													0	0	0	2.4
E Coli			1										0	0	1	2.4
Enceph., WNV													0	0	0	3
Enceph., Other										1	1		1	1	0	3.2
Giardiasis	0	1		2	3	1				3	9	8	5	13	9	53
Haemo. Influz., Bac				0	1	1			1	1	1	1	1	2	3	5.6
Hepatitis A								1		0	1	2	0	2	2	9.2
Hepatitis B*	1	1	3	0	6	9				5	10	6	6	17	18	37.4
Hepatitis C*	3	5	10	9	35	35	2	4	9	21	49	32	35	93	86	281
Kawasaki Syndrome			1										0	0	1	3.4
Legionellosis						1				0	1	1	0	1	2	11.4
Listeriosis										0	1		0	1	0	1.6
Lyme Disease												1	0	0	1	3.2
Malaria												1	0	0	1	1
Meningitis, Asep			1	1	3	1				0	3	2	1	6	4	58
Meningitis Bac.													0	0	0	4.4
Meningococcal Dis.													0	0	0	2.8
Pertussis			3			2						6	0	0	11	16.4
Salmonellosis				2	4	2			1	0	6	3	2	10	6	48.4
Shigellosis										1	1	1	1	1	1	12.4
Strep Inv A GAS	1	2	1	0	1					1	1	1	2	4	2	10.6
Strep B Newborn						1							0	0	1	1.8
Strep Pneu ISP			2	6	7	4			1	2	7	15	8	14	22	36
Strep TSS													0	0	0	0.6
Typhoid Fever													0	0	0	0.2
Varicella ***	1	5		3	24		2	4		19	137		25	170	0	0
Vibriosis													0	0	0	0.2
Yersinosis													0	0	0	0.8

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

Table 2 Summary of Air Quality Index, Pollen, and Mold Counts for Stark County, Ohio, including limited historical data.

	Mar 2006			Mar 2005			Apr 2005
	Monthly High	Monthly Low	Monthly Mean	Monthly High	Monthly Low	Monthly Mean	Monthly Mean
Pollen Count	Suspended for season**						
Mold Count							
Air Quality Index	21.2	9	53	115	10	46	48

Pollen and Mold counts are derived from rotorod samples on the 2nd story roof of Canton City Hall. The readings are taken from a 24 hour period/24 hour avg. on all work days. **Suspended for the season: no readings October- March. 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; 101-150: unhealthy for sensitive groups; 51-100: moderate; 0-50: good.

Table 3 Summary of Select Vital Statistics for Stark County, Ohio

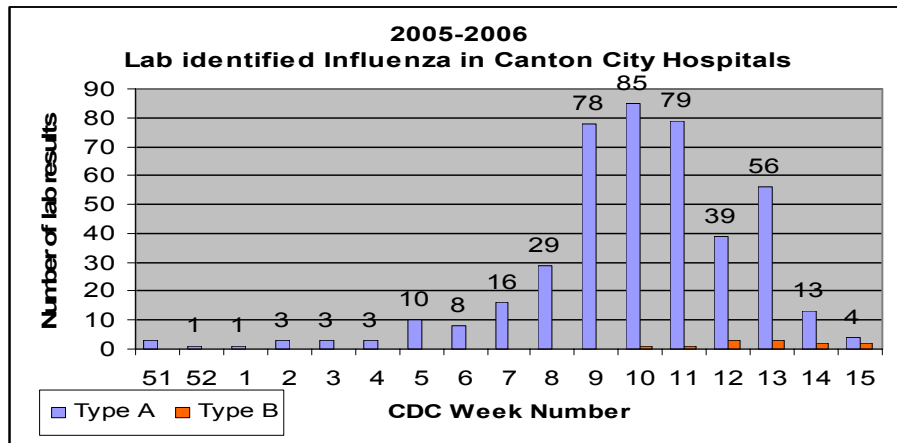
*** Due to a change in the reporting system, the birth & death data are temporarily unavailable.

	Alliance City Health District			Canton City Health District			Massillon City Health District			Stark County Health District			Total in Stark County		
	Mar	YTD 2006	2005	Mar	YTD 2006	2005	Mar	YTD 2006	2005	Mar	YTD 2006	2005	Mar	YTD 2006	2005
Number of Live Births*			404			3962			1			207			4574
Number of Teenage births*			57			430			0			21			508
Number of Deaths*			368			2092			438			1407			4305

*These numbers represent occurrences within the jurisdiction and are not indicative of births and deaths of residents of each jurisdiction, therefore jurisdictional rates are not computed. The 2002 Birth Rate for Stark County was 0.0127, 0.0126 for 2003, 0.0124 for 2004, and 0.0121 for 2005. The 2002 Death Rate for Stark County was 0.0109, 0.0111 for 2003, 0.0104 for 2004, and 0.0114 for 2005 (crude rates are based on US Census 2000 Stark County population of 377,438).

IN THE NEWS:

INFLUENZA:



Locally: As can be seen in the adjoining chart, cases of influenza continue to be identified in local hospitals. However, there has been a sharp decline in the number of reported cases of type A and only recent reports of type B. Lab confirmed reports from one facility reveal an average age of 37 years.

Statewide: The state is now classified at local activity. The Ohio Department of Health laboratory continues to subtype influenza isolates. The sub-typing has revealed the predominance of the Hong Kong subtype in Influenza B isolates, and (H3N2) California-like subtype in Type A isolates. The Hong Kong subtype was not included in the 2005-2006 influenza vaccine.

Nationally: During week 14 (April 2 – April 8, 2006), influenza activity continued to decrease in the US.

Internationally: **Composition of the 2006-07 Influenza vaccine** has been announced: WHO has recommended that the 2006-07 trivalent influenza vaccine for the Northern Hemisphere contain A/New Caledonia/20/99-like (H1N1), A/Wisconsin/67/2005-like (H3N2), and B/Malaysia/2506/2004-like viruses. The influenza A (H3N2) and the influenza B components have been changed from the 2005-06 season vaccine components.

Avian: Avian influenza continues to march across Asia, Europe, and Africa. The following countries have reported a total of 196 confirmed human cases with 110 deaths: Azerbaijan, Cambodia, China, Egypt, Indonesia, Iraq, Thailand, Turkey and Vietnam.

MUMPS: Iowa and at least 9 surrounding states are currently in the grip of a multi-state outbreak. The outbreak has reached over 900 cases. The source of the current US outbreak is unknown. However the mumps strain has been identified as genotype G, the same genotype circulating in the United Kingdom (UK). Mumps virus can cause illness with an acute onset of unilateral or bilateral tender, self-limited swelling of the parotid or other salivary gland, lasting greater than 2 days, without other apparent cause. Clinical diagnosis of mumps may be unreliable, suspected cases of mumps should be laboratory confirmed. As with any disease, lab work should be used in conjunction with clinical presentation (signs and symptoms). The recommendation to laboratory confirm all cases will be re-evaluated as the outbreak progresses. Mumps should not be ruled out in someone with negative laboratory tests who is vaccinated if they have symptoms consistent with mumps. Mumps Laboratory Diagnosis Q & A has been added to the CDC website, it can be found at: <http://www.cdc.gov/nip/diseases/mumps/mumps-lab.htm>

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