

November– 2005

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 Nov 2005 in Stark County, Ohio (provisional data only)

	Alliance City Health			Canton City Health			Massillon City Health			Stark County Health			Stark County Totals				
	Nov 2005	YTD 2005	YTD 2004	Nov 2005	YTD 2005	YTD 2004	Nov 2005	YTD 2005	YTD 2004	Nov 2005	YTD 2005	YTD 2004	Nov 2005	YTD 2005	YTD 2004	5 Year annual average	
Amebiasis											1		0	1	0	0.2	
Campylobacteriosis	1	2	2		14	4		2	3	1	26	30	2	44	39	54.6	
Creutzfeldt-Jakob Dis											1		0	1	0	0.4	
Cryptosporidiosis	1	2	1		2				2		4	9	1	8	12	10	
E Coli 0157													0	0	0	2.6	
E Coli	1	2	3							1	1		2	3	3	1.8	
Enceph., WNV					1								0	1	0	2.8	
Enceph., Other		1	1									3	0	1	4	3.2	
Giardiasis	1	9	2	1	12	7		4	2	2	23	36	4	48	47	54.6	
Haemo. Influz., Bac					5	3			1		2	4	0	7	8	4.6	
Hepatitis A											2	1	0	2	1	10	
Hepatitis B*	1	6	6	1	22	9		1	6	2	18	31	4	47	52	62.5	
Hepatitis C*	3	26	16	6	129	129	3	31	18	8	84	113	20	270	276	340**	
Kawasaki Syndrome		1				1					1	3	0	2	4	3	
Legionellosis					6	3		1	1	2	10	3	2	17	7	9	
Listeriosis	1	1			1								2	1	2	2	1.4
Lyme Disease											3		0	3	0	2.8	
Malaria													0	0	0	1	
Meningitis, Asep		13	5		3	10			3	1	32	26	1	48	44	52.6	
Meningitis Bac.											3	2	0	3	2	4.4	
Meningococcal Dis.							1	1		2	2	4	3	3	4	2.8	
Pertussis	1	8		2	14	2		3	2	1	26	13	4	51	17	7.2	
Salmonellosis			2		7	10		3	6	3	24	32	3	34	50	47.4	
Shigellosis						2				1	5		1	5	2	11.6	
Strep Inv A GAS		2	1		3	3					5	28	0	10	32	10.2	
Strep B Newborn					2	1						2	0	2	3	1.4	
Strep Pneu ISP	2	7	4		19	15		4	3		28	24	2	58	46	25	
Strep TSS												2	0	0	2	0.6	
Typhoid Fever			1										0	0	1	0.2	
Varicella													0	0	0	**	
Vibriosis												1	0	0	1	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.

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

	Nov 2005			Nov 2004			Dec 2004
	Monthly High	Monthly Low	Monthly Mean	Monthly High	Monthly Low	Monthly Mean	Monthly Mean
Pollen Count	Suspended for season**						
Mold Count							
Air Quality Index	72	4	24	49	12	26	24

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

	Alliance City Health District			Canton City Health District			Massillon City Health District			Stark County Health District			Total in Stark County		
	Nov	YTD 2005	2004	Nov	YTD 2005	2004	Nov	YTD 2005	2004	Nov	YTD 2005	2004	Nov	YTD 2005	2004
Number of Live Births*	41	364	384	313	3530	4081	0	1	4	2	194	223	356	4089	4692
Number of Teenage births*	6	52	65	29	377	379	0	0	0	0	21	39	35	450	483
Number of Deaths*	31	341	326	137	1914	1928	38	383	389	45	1229	1266	251	3867	3909

*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 0.01266, 0.10262 for 2003 and 0.01243 for 2004. The 2002 Death Rate for Stark County was 0.01091, 0.0111 for 2003 and 0.0104 for 2004 (crude rates are based on US Census 2000 Stark County population of 377,438).

IN THE NEWS:

INFLUENZA:

Internationally/Avian: From the WHO cumulative laboratory confirmed human avian influenza report of 12/16/2005: 139 cases with 71 deaths. Human cases have been confirmed in Viet Nam, Indonesia, Cambodia, China, and Thailand.

Nationally: During week 49 (December 4 – December 10, 2005)*, influenza activity overall was low in the United States. Forty-one (3.0%) specimens tested by U.S. World Health Organization (WHO) and National Respiratory and Enteric Virus Surveillance System (NREVSS) collaborating laboratories were positive for influenza. The proportion of patient visits to sentinel providers for influenza-like illness (ILI) and the proportion of deaths attributed to pneumonia and influenza were below baseline levels. One state reported regional influenza activity; 5 states, and the District of Columbia reported local influenza activity; 30 states and New York City reported sporadic influenza activity; and 13 states reported no influenza activity.

Statewide: The state of Ohio is reporting sporadic activity.

Locally: There have been no reported cases of lab confirmed influenza. Please remember that influenza remains a class B disease and must be reported by the close of each working week.

REPORTABLE DISEASE LIST – CHANGES EFFECTIVE JANUARY 1ST 2006:

Ohio Public Health Council recently concluded action on revised rules related to the “Diseases to be reported” in OAC 3701-3-02. The new rules are effective January 1, 2006. The purpose of this communication is to provide information regarding these rules and additional infectious disease reporting information.

A summary synopsis of recent enacted changes include:

<p>Class A1 Add Severe Acute Respiratory Syndrome (SARS) Add Tularemia</p>	<p>Class A2 Modify arboviral/encephalitis reporting to reflect contemporary nomenclature Add Coccidioidomycosis Add Hepatitis B, perinatal; Hepatitis B, non-perinatal, see A(3) Add Influenza-associated pediatric mortality Delete Pelvic Inflammatory Disease</p>	<p>Class A3 Add Varicella; delete varicella (deaths) Delete Hepatitis, acute, viral, undeterminable etiology Class B Delete chickenpox Delete Herpes (genital) NOTE: Influenza is the only Class B reportable disease.</p>
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The full listing of current OAC 3701-3-02 rules can be found at the following link: <http://www.cantonhealth.org/Reportable%20Disease%20List%20Rules.pdf>

The “Know Your ABC’s” document has been updated to reflect these changes. Please see the following link: <http://www.cantonhealth.org/ABC%20List.pdf>

Individual public health recommendations for each of the reportable infectious diseases can be found in the ODH Infectious Disease Control Manual [IDCM] at the following web address: <http://www.odh.ohio.gov/healthResources/infectiousDiseaseManual.aspx> The IDCM is currently undergoing revision to reflect the new reporting disease changes

Varicella [chickenpox] is no longer reportable by numbers as a Class B disease and **must be reported as individual case reports** as Class A3 reportable disease as of January 1, 2006. ODH will follow the nationally adopted case definition for individual varicella reporting. The following link details the varicella case definition http://www.cdc.gov/epo/dphsi/casedef/varicella_current.htm

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