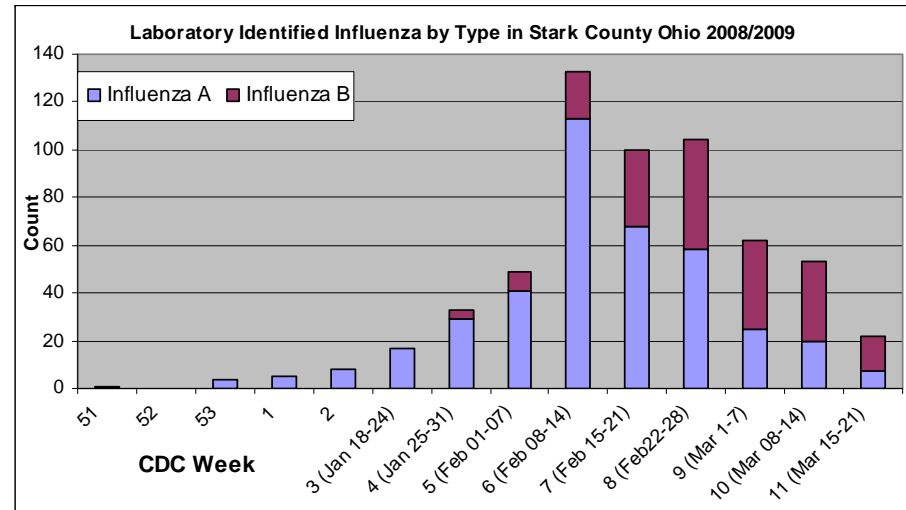


**EPI Gram** is a monthly publication of the Stark County Public Health Coalition. It contains a summary of provisional communicable disease reports and other key public health indicators, with summary tables for Stark County, Ohio. Some reportable conditions may be under investigation; and, at any given time, data may fluctuate from month to month for a specific category.

**IN THE NEWS: Influenza activity peaked in February.**

Type A Influenza dominated the early phase of this years influenza season. February revealed a peak in overall cases reported and a shift to the current prevalent strain of Type B Influenza.

To date this season 14 Type A isolates from Stark County were identified by the Ohio Department of Health as Influenza A/ (H1N1), and 6 were identified as Influenza B/Malaysia-like. Influenza B viruses circulating in the U.S. can be divided into two lineages represented by the B/Yamagata/16/88 and B/Victoria/02/87 viruses. The influenza B viruses identified by the ODH lab (Influenza B/Malaysia-like) belong to the B/Victoria lineage and are not related to the current vaccine strain.



Antiviral testing clearly demonstrates resistance throughout the United States. Antiviral Resistance testing from the CDC indicates Influenza A (H1N1) viruses from 42 states are resistant to oseltamivir so far this season. All oseltamivir resistant viruses tested are sensitive to adamantanes. Additionally, the adamantanes (amantadine and rimantadine) are not effective against influenza B viruses. The CDC issued interim recommendations for the use of influenza antiviral medications in the setting of oseltamivir resistance among circulating influenza A (H1N1) viruses on December 19, 2008. These interim recommendations are available at <http://www2a.cdc.gov/HAN/ArchiveSys/ViewMsgV.asp?AlertNum=00279>.

For access to countywide, state and national influenza surveillance reports refer to the following websites: [http://www.cantonhealth.org/Flu\\_Surveillance.htm](http://www.cantonhealth.org/Flu_Surveillance.htm) and [http://www.starkhealth.org/comm\\_disease/pdfs/Influenza\\_021509.pdf](http://www.starkhealth.org/comm_disease/pdfs/Influenza_021509.pdf).

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

	February 2009				March 2008			
	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			N/A	Suspended for Season			N/A
Mold Count	Suspended for Season			N/A	Suspended for Season			N/A
Air Quality Index	20	13	16.8	All Good	54	7	26.2	2 Moderate

See the following website for source information: [http://www.cantonhealth.org/air\\_quality.htm](http://www.cantonhealth.org/air_quality.htm).

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

	February-09	YTD 2009	2008 Total
Live Births	299	674	5181
Births to Teens	31	51	597
Deaths	191	477	4027

Due to the current method of reporting, all data is provisional.

**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.

	2004	2005	2006	2007	2008
Birth	1240	1211	1282	1340	1369
Death	1040	1140	1076	1076	1067

**Table 4 – Summary of Select Reportable Diseases by Jurisdiction for February 2009 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](http://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-09	YTD 2009	YTD 2008	Feb-09	YTD 2009	YTD 2008	Feb-09	YTD 2009	YTD 2008	Feb-09	YTD 2009	YTD 2008	Feb-09	YTD 2009	5 Yr annual average
Campylobacteriosis	0	1	0	0	0	0	0	0	0	3	5	3	3	6	48
Chlamydia	9	14	14	52	111	94	5	11	13	19	49	54	85	185	1174.8
Creutzfeldt-Jakob Ds	0	0	0	0	0	0	1	1	0	0	0	0	1	1	0.8
Cryptosporidiosis	0	0	0	0	0	0	0	0	0	1	1	2	1	1	17.2
Cytomegalovirus, Congenital	1	1	0	0	0	0	0	0	0	0	0	0	1	1	1
Enceph, Primary viral	0	0	0	0	0	0	0	0	0	1	1	0	1	1	1.8
Giardiasis	0	0	0	0	1	3	2	3	0	4	7	4	6	11	43.2
Gonorrhea	3	5	6	15	46	77	4	9	7	8	13	14	30	73	599
Haemo. Influz., Bac	0	0	0	0	0	0	1	1	0	1	3	0	2	4	5.6
Hep B, Chronic	0	0	0	2	3	2	1	2	3	6	8	4	9	13	23.6
Hep C, Past or Present	0	1	8	10	15	11	2	6	4	4	11	20	16	33	221.5
Influenza-Hospitalized	0	0	0	19	25	0	1	1	0	16	18	0	36	44	N/A
Legionellosis	0	0	0	1	1	1	0	0	0	0	0	0	1	1	12
Pertussis	0	0	0	0	0	0	0	0	0	1	5	0	1	5	16
Salmonellosis	0	1	0	0	0	0	1	1	0	4	8	3	5	10	41.4
Shigellosis	0	0	0	1	3	6	2	2	0	4	10	1	5	15	46.6
Strep Inv A GAS	0	0	0	0	1	0	0	0	0	1	3	6	1	4	7.6
Streptococcus pneumoniae , Invasive Disease, Drug Susceptible, Ages 5+ Years	0	0	1	1	3	2	0	0	0	5	7	7	6	10	24.8
Syphilis, Total	0	0	0	1	3	6	0	0	0	0	0	0	1	3	22.8
Varicella#	1	2	1	2	3	3	0	0	0	7	10	13	10	15	136

# 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](mailto:Schanzk@starkhealth.org) or Christina Henning at (330) 489-3454 or [Chenning@cantonhealth.org](mailto:Chenning@cantonhealth.org).

**Table 5 – Summary Table of Diseases Reported in the previous 5 years within Stark County, Ohio.(provisional data only)**

	Stark County Totals					
	Feb-09	YTD 2009	YTD 2008	All of 2008	5 Yr annual average	Average rate per 100,000 population
Amebiasis	0	0	0	0	0.4	0.106
Anaplasmosis	0	0	0	0	0.2	0.0529
Campylobacteriosis	3	6	3	54	48	12.695
Chlamydia	85	185	175	1122	1174.8	310.713
Creutzfeldt-Jakob Ds	1	1	0	3	0.8	0.212
Cryptosporidiosis	1	1	2	23	17.2	4.549
Cytomegalovirus, Congenital	1	1	0	1	1	0.264
Dengue	0	0	0	0	0.2	0.0529
Enceph., Post Other	0	0	0	1	0.2	0.0529
Enceph, Primary viral	1	1	0	2	1.8	0.476
E coli , STP, Not O157:H7	0	0	0	0	0	0
E coli , STP, Unknown	0	0	0	1	2	0.529
E Coli 0157	0	0	0	1	2.8	0.741
Giardiasis	6	11	7	33	43.2	11.426
Gonorrhea	30	73	104	592	599	158.425
Haemo. Influz., Bac	2	4	0	8	5.6	1.481
Hemolitic Uremic Synd	0	0	0	2	0.8	0.212
Hepatitis A	0	0	0	4	2.8	0.741
Hep B, Acute	0	1	0	4	3.4	0.899
Hep B, Chronic	9	13	9	30	23.6	6.242
Hep C, Acute	0	0	0	5	1.8	0.476
Hep C, Past or Present	16	33	43	199	221.5	58.583
Herpes, Congenital	0	0	0	1	0.4	0.106
Influenza-Hospitalized	36	44	0	N/A	N/A	N/A
LaCrosse Encephalitis	0	0	0	0	0.2	0.0529
Legionellosis	1	1	1	16	12	3.174
Listeriosis	0	1	0	3	2.8	0.741
Lyme Disease	0	0	0	2	0.6	0.159
Meningitis, Asep	0	1	3	26	44.4	11.744
Meningitis Bac.	0	1	1	2	1.8	0.476
Meningococcal Dis.	0	1	0	1	1.4	0.370
Mumps	0	0	1	2	0.8	0.216
Pertussis	1	5	0	3	16	4.232
Rheumatic fever	0	0	1	1	0.2	0.0529
Rocky Mountain Spotted	0	0	0	0	0.2	0.0529
Salmonellosis	5	10	3	42	41.4	10.950
Shigellosis	5	15	7	211	46.6	12.325
Strep Inv A GAS	1	4	6	5	7.6	2.010
Strep B Newborn	0	0	0	2	2.8	0.7405
Strep toxic shock (STSS)	0	0	0	1	0.8	0.212
Streptococcus pneumoniae , Invasive Disease, Ages < 5 Yrs	0	1	0	3	4.8	1.270
Strep pneumo, Invasive Disease, Drug Resistant, Ages 5+ Yrs	0	3	1	21	21	5.554
Strept pneumo, Invasive Disease, Susceptible, Ages 5+ Yrs	6	10	10	18	24.8	6.559
Syphilis, Total	1	3	6	19	22.8	6.0302
Syphilis, Pri & Secondary	1	3	0	4	9.4	2.486
Toxic shock syndrome (TSS)	0	0	0	2	0.4	0.106
Toxoplasmosis, Congenital	0	0	0	0	0	0
Typhoid Fever	0	0	0	0	0.2	0.0529
Varicella#	10	15	17	43	136	35.970
Vibriosis (Not Cholera)	0	0	0	0	0.2	0.0529
West Nile Virus	0	0	0	0	1.2	0.317
Yersiniosis	0	0	3	2	2.4	0.6348

Table includes information on diseases reported to the Ohio Department of Health in the previous five years.

This report includes confirmed, probable and suspect cases. Rate is based on an estimate population of 378,098