

*EPI Gram* is a monthly publication of the Stark County Public Health Infrastructure 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.

**Monthly Highlight: Stark County reports the highest total rate of selected notifiable diseases in Ohio during the first half of 2013.**

The State of Ohio produces a quarterly and cumulative report titled: Reported Cases of Selected Notifiable Diseases –Ohio. Based on this report Stark County has recorded 526 confirmed and probable disease reports in the first half of 2013 for a rate of 1.4 diseases per 1000 residents. This figure does not include sexually transmitted diseases and Tuberculosis. This rate is the highest in the state and is double the 0.7 for Ohio. Additionally, Stark County is in the top five highest reporters for all of the following diseases in the first half of 2013 (cumulative totals in parenthesis): Campylobacter (27), Cryptosporidiosis (13), Giardiasis (27), Influenza-Associated Hospitalizations (328), Legionellosis (10), Listeriosis (1), Meningitis, Bacterial (3), Q Fever (1), Salmonellosis (24), Shigellosis (14), Group A Strep Disease (Inv) (9), Group B Newborn Strep Disease(2), Drug Resistant Strep Pneumo (18), Vibrio Parahaemolyticus (1), Non Cholera Vibriosis (1), and Yersinosis (1).

Many of the above diseases are reported in high numbers due to an excellent reporting system in Stark County. This reporting is the result of long held clear and open communications between providers and health departments. (Unfortunately, thorough reporting alone cannot account for Stark County’s current ranking.) The good news though is that the many of the communicable diseases listed above are preventable. Public Health needs help from the medical community and other public health partners to reduce the overall burden of disease in our community. You can help by:

- Educating patients presenting with a possible communicable disease about the importance of hand washing.
- Remind patients of the dangers of flu and that it is a vaccine preventable disease.
- Refer patients to travel related prevention measures on the Centers for Disease Control and Prevention (CDC) website at: [www.cdc.gov](http://www.cdc.gov).
- Report cases as early as possible (and within reporting time frames). This provides public health the opportunity to investigate and potentially reduce the spread of disease by implementing case control measures. Such measures may include removing potential sources of legionella, excluding ill food handlers and educating the patient to reduce the spread of disease in the home.

The complete Ohio report can be found at: <http://www.odh.ohio.gov/en/healthstats/disease/idann/idann.aspx>.

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

	June 2013				July 2013				August 2012			
	Monthly High	Monthly Low	Monthly Median	Counts in highest reported health risk category	Monthly High	Monthly Low	Monthly Median	Counts in highest reported health risk category	Monthly High	Monthly Low	Monthly Median	Counts in highest reported health risk category
Pollen Count	135	5	35	N/A	25	5	10	N/A	150	5	20	N/A
Mold Count	6600	1290	3680	<b>1 Moderate</b>	12,750	1700	4370	<b>4 Moderate</b>	11,990	1610	4250	<b>6 Moderate</b>
Air Quality Index	91	33	46	<b>7 Moderate</b>	60	27	47	<b>8 Moderate</b>	110	30	47	<b>2 Unhealthy for SG</b>

\*\*See the following websites for updated Air Quality Index and mold index terminology and color-coding <http://www.airnow.gov/index.cfm?action=aqibasics.aqi> [https://pollen.aaaai.org/nab/index.cfm?p=reading\\_charts](https://pollen.aaaai.org/nab/index.cfm?p=reading_charts)  
Data source for this table is the Air Quality Division of the Canton City Health Department.

**Table 2 Summaries of Select Vital Statistics for Stark County**

	Jun 2013	Jul 2013	YTD 2013	2012
Live Births	393	480	2504	4058
Births to Teens	31	41	229	365
Deaths	325	333	2567	4110

Birth and Death Data is reported by the 4 health districts and may include non county residents.

**Table 3 Stark County Crude Birth and Death Rates**

	2006	2007	2008	2009	2010
Birth	1191*	1190*	1166*	1139	1085
Death	1000*	1035*	1055*	1072	1094

\*Source: Ohio Department of Health Data Warehouse. Rates are per 100,000 population.

If you have any questions, including how to receive copies of this report, please contact Christina Henning at 330.489.3327 or [Chenning@cantonhealth.org](mailto:Chenning@cantonhealth.org).

**Table 4: JUNE Jurisdictional Summary of Reportable Diseases in Stark County, OH**

(Provisional Data, as of 08/12/2013)	Alliance City		Canton City		Massillon City		Stark County		All Departments	
	Jun	YTD	Jun	YTD	Jun	YTD	Jun	YTD	Jun	YTD
Campylobacter	0	0	0	6	0	0	11	21	11	27
Chlamydia	5	52	42	349	11	57	51	278	109	736
Creutzfeldt-Jakob Disease	0	0	0	0	0	1	0	0	0	1
Cryptosporidium	1	1	0	5	0	0	0	7	1	13
E. coli - enterohemorrhagic STP-Not O157:H7	0	0	0	1	0	0	0	1	0	2
Giardia	0	0	0	7	2	4	2	16	4	27
Gonorrhea	6	28	24	165	7	27	16	77	53	297
Haemophilus influenzae	0	1	0	2	0	0	0	2	0	5
Hepatitis A	0	0	0	0	0	0	0	2	0	2
Hepatitis B - Perinatal Infection	0	0	0	0	0	0	0	2	0	2
Hepatitis B - acute	1	2	0	2	0	0	0	1	1	5
Hepatitis B - chronic	0	0	0	1	0	0	2	9	2	10
Hepatitis C - acute	0	1	0	3	0	1	0	0	0	5
Hepatitis C - chronic	1	9	10	44	0	15	4	49	15	117
Influenza-associated hospitalization	0	7	0	92	0	29	1	162	1	290
Influenza-associated pediatric mortality	0	0	0	0	0	0	0	1	0	1
Legionella	0	0	1	1	0	1	3	8	4	10
Listeria	0	0	0	1	0	0	0	0	0	1
Lyme Disease	0	0	0	0	0	0	1	4	1	4
Meningitis - aseptic/viral	0	0	0	1	0	0	0	2	0	3
Meningitis - bacterial (Not N. meningitidis)	0	0	0	0	0	0	0	3	0	3
Mycobacterial disease - other than TB	0	2	0	1	0	1	2	11	2	15
Pertussis	0	1	0	0	0	0	1	6	1	7
Q fever, chronic	0	0	0	0	0	0	1	2	1	2
Salmonella	0	0	2	6	0	2	7	15	9	23
Shigella	0	0	1	9	0	2	0	3	1	14
Streptococcal - Group A	0	0	0	1	0	2	0	7	0	10
Streptococcal - Group B - in newborn	0	0	0	1	0	0	1	1	1	2
Streptococcus pneumo antibiotic resistance unk or non-resistant	0	1	0	6	0	1	0	12	0	20
Streptococcus pneumo antibiotic resistant/intermediate	0	1	0	7	0	2	0	8	0	18
Syphilis, Total	1	1	0	3	0	2	0	3	1	9
Syphilis, Primary and Secondary	0	0	0	2	0	0	0	3	0	5
Toxic shock syndrome (TSS)	0	0	0	0	0	0	0	3	0	3
Varicella	0	1	1	1	0	0	0	9	1	11
Vibrio parahaemolyticus infection	0	1	0	0	0	0	0	0	0	1
Yersiniosis	0	0	0	1	0	0	0	0	0	1

Source: Ohio Disease Reporting System, downloaded 08/12/2013.

**Table 4: JULY Jurisdictional Summary of Reportable Diseases in Stark County, OH**

(Provisional Data, as of 08/12/2013)	Alliance City		Canton City		Massillon City		Stark County		All Departments	
	Jul	YTD	Jul	YTD	Jul	YTD	Jul	YTD	Jul	YTD
Anaplosmosis	0	0	0	0	0	0	1	1	1	1
Campylobacter	0	0	3	9	0	0	6	27	9	36
Chlamydia	6	58	70	419	9	66	34	312	119	855
Creutzfeldt-Jakob Disease	0	0	0	0	0	1	0	0	0	1
Cryptosporidium	0	1	0	5	0	0	1	8	1	14
E. coli - enterohemorrhagic STP-Not O157:H7	0	0	0	1	0	0	0	1	0	2
Giardia	0	0	0	7	0	4	1	17	1	28
Gonorrhea	1	29	32	197	3	30	9	86	45	342
Haemophilus influenzae	0	1	0	2	0	0	0	2	0	5
Hepatitis A	0	0	0	0	0	0	0	2	0	2
Hepatitis B - Perinatal Infection	0	0	0	0	0	0	0	2	0	2
Hepatitis B - acute	0	2	1	3	0	0	1	2	2	7
Hepatitis B - chronic	0	0	1	2	0	0	0	9	1	11
Hepatitis C - acute	0	1	2	5	0	1	0	0	2	7
Hepatitis C - chronic	2	11	7	51	2	17	3	52	14	131
Influenza-associated hospitalization	0	7	0	92	0	29	0	162	0	290
Influenza-associated pediatric mortality	0	0	0	0	0	0	0	1	0	1
Legionella	1	1	1	2	0	1	3	11	5	15
Listeria	0	0	0	1	0	0	0	0	0	1
Lyme Disease	0	0	0	0	0	0	2	6	2	6
Malaria	0	0	1	1	0	0	0	0	1	1
Meningitis - aseptic/viral	0	0	1	2	0	0	1	3	2	5
Meningitis - bacterial (Not N. meningitidis)	0	0	0	0	0	0	0	3	0	3
Mycobacterial disease - other than TB	2	4	1	2	0	1	2	13	5	20
Pertussis	0	1	0	0	0	0	1	7	1	8
Q fever, chronic	0	0	0	0	0	0	0	2	0	2
Salmonella	0	0	0	6	0	2	6	21	6	29
Shigella	0	0	1	10	0	2	0	3	1	15
Streptococcal - Group A	0	0	0	1	0	2	0	7	0	10
Streptococcal - Group B - in newborn	0	0	0	1	0	0	0	1	0	2
Streptococcus pneumo antibiotic resistance unk or non-resistant	0	1	1	7	0	1	1	13	2	22
Streptococcus pneumo antibiotic resistant/intermediate	0	1	0	7	0	2	1	9	1	19
Syphilis, Total	0	10	1	4	0	2	0	3	1	10
Syphilis, Primary and Secondary	0	0	0	0	0	0	0	3	0	3
Toxic shock syndrome (TSS)	0	0	0	2	0	0	0	3	0	5
Varicella	0	1	0	1	0	0	1	10	1	12
Vibrio parahaemolyticus infection	0	1	0	0	0	0	0	0	0	1
Yersiniosis	0	0	0	1	0	0	0	0	0	1

**Table 5 – Summary Table of Diseases Reported in the Previous 5 years within Stark County**

<b>(Provisional Data, as of 08/12/2013)</b>	<b>July-2013</b>	<b>July-2012</b>	<b>YTD 2013</b>	<b>YTD 2012</b>	<b>2012</b>	<b>5 Yr annual average</b>	<b>Rate</b>
Anaplasmosis	1	0	1	0	0		
Brucellosis	0	0	0	1	1	0.2	0.053
Campylobacteriosis	9	13	36	26	65	52.8	14.058
Chlamydia	119	126	855	729	1530	1327.4	353.421
Cholera	0	0	0	0	0		
Coccidioidomycosis	0	0	0	1	1	0.2	0.053
Creutzfeldt-Jakob Disease	0	0	1	0	0	1.6	0.426
Cryptosporidiosis	1	5	14	13	45	25.2	6.71
Cytomegalovirus, Congenital	0	0	0	0	0	0.4	0.107
Dengue	0	0	0	1	1	0.8	0.213
Ehrlichiosis	0	0	0	0	0	0.2	0.053
Escherichia coli , STP, Not O157:H7	0	0	2	0	1	1.2	0.32
Escherichia coli O157:H7	0	0	0	0	3	2.2	0.586
Escherichia coli , STP, Unk Serotype	0	0	0	0	1	1.4	0.373
Giardiasis	1	4	28	16	38	51.8	13.792
Gonorrhea	45	56	342	282	647	539.6	143.669
Haemophilus influenzae , Invasive	0	1	5	3	8	8.2	2.183
Hemolytic Uremic Syndrome (HUS)	0	0	0	0	0	0.4	0.107
Hepatitis A	0	1	2	3	6	2.6	0.692
Hepatitis B, Acute	2	0	7	2	4	3.6	0.959
Hepatitis B, Chronic	1	1	11	23	37	34	9.053
Hepatitis C, Acute	2	1	7	1	10	6	1.598
Hepatitis C, Chronic	14	16	131	111	219	227.4	60.545
Hepatitis E	0	0	0	0	0	0.2	0.053
Herpes, Congenital	0	0	0	0	0	0.4	0.107
Influenza A - novel virus infection	0	0	0	0	0	0.4	0.107
Influenza-associated hospitalization	0	1	290	17	150	123.5*	32.882
Influenza-associated pediatric mortality	0	0	1	0	0		
LaCrosse virus disease	0	0	0	0	1	0.8	0.213
Legionellosis	5	3	15	4	16	15.6	4.154
Listeriosis	0	0	1	0	1	2.2	0.586
Lyme Disease	2	0	6	8	14	7	1.864
Malaria	1	0	1	0	0	1.2	0.32
Meningitis, Aseptic	2	2	5	8	34	35.8	9.532
Meningitis, Other Bacterial	0	0	3	3	4	3.2	0.852
Meningococcal Disease	0	0	0	0	0	1	0.266
Mumps	0	0	0	0	1	1	0.266
Mycobacterial disease - Not TB	5	2	20	11	26	24.8	6.603
Pertussis	1	3	8	4	14	36.4	9.692
Q fever, acute	0	0	2	0	0	0	0
Rocky Mountain Spotted Fever	0	0	0	0	0	0.6	0.16
Salmonellosis	6	5	29	18	39	37.2	9.905
Shigellosis	1	1	15	1	8	50.4	13.419
Streptococcal Dis, Group A, Invasive	0	3	10	13	21	13.4	3.568
Streptococcal Dis, Group B, in Newborn	0	0	2	0	2	3.2	0.852
Streptococcal Toxic Shock Syndrome	0	0	0	0	1	0.8	0.213
Streptococcus pneumoniae - invasive antibiotic resistance unknown or non-resistant	2	7	22	36	57	36	9.585
Streptococcus pneumo - inv antibiotic resistant/intermediate	1	0	19	10	21	20	5.325
Syphilis, Total	1	0	10	6	12	11.6	3.089
Syphilis, Primary and Secondary	0	0	3	6	3	4.2	1.118
Toxic Shock Syndrome (TSS)	0	0	3	0	0	0.6	0.16
Tuberculosis	0	1	0	1	2	2.6	0.692
Typhoid Fever	0	0	0	0	1	0.2	0.053
Varicella	1	1	12	21	39	46.8	12.461
Vibriosis - other (not cholera)	0	0	1	0	0	0.25	0.067
West Nile Virus	0	0	0	0	1	0.2	0.053
Yersiniosis	0	0	1	1	2	0.8	0.213

Source: Ohio Disease Reporting System, downloaded 08/12/2013. Rates are per 100,000 population and based on 5 year average. \*Avg based on 4 years of data.