

# EPI GRAM May, 2018

## A Monthly Publication of the Stark Public Health Infrastructure Coalition

*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. If you have any questions please contact Avinash Joseph at 330.493.9914 or [josepha@starkhealth.org](mailto:josepha@starkhealth.org), or Amanda Archer at 330.489.3327 or [aarcher@cantonhealth.org](mailto:aarcher@cantonhealth.org).



**Public Health**  
Prevent. Promote. Protect.

### Monthly Highlight: Hepatitis A

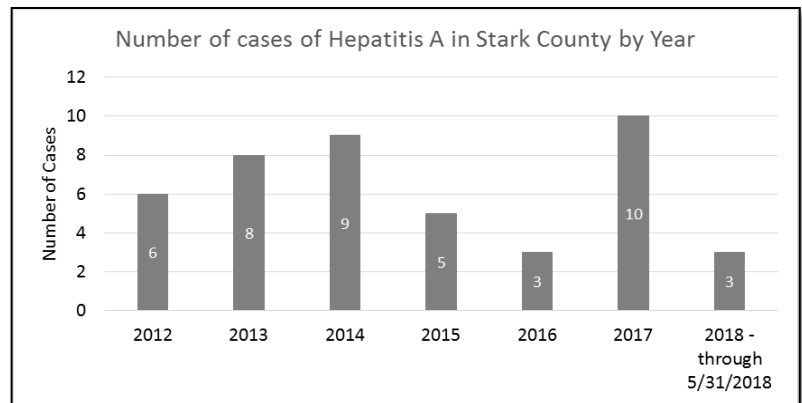
In Ohio, Hepatitis A has increased more than 800 percent, and the Ohio Department of Health is urging people with certain risk factors to get vaccinated. As of June 15, 2018, there were 91 cases of Hepatitis A spread across 20 counties in Ohio, compared to 5 at the same time last year. Significant to the increase in cases is that the hospitalization rate for hepatitis A infection is approximately 70%.

The largest number of cases in Stark County was in 2017 (10 cases); however 2018 has not yielded a large number of cases or any outbreaks.

Historically, Stark County sees 7 cases a year.

High risk groups include people who use drugs, the homeless population, men who have sex with men, incarcerated individuals and patients with chronic liver disease. Transmission can be through contact with an infected person's fluids or stool, tainted food and contaminated water. Symptoms of hepatitis A infection include:

- Low-grade fever
- Malaise
- Fatigue
- Loss of appetite
- Nausea
- Abdominal discomfort
- Dark-colored urine
- Jaundice



Recommendations for prevention include consistent hand hygiene and vaccination for high-risk populations. Many times, high risk populations are difficult to capture in traditional clinic settings, and local health departments may have to partner with homeless shelters, food banks, clothing drives, needle exchange programs, drug courts, treatment centers, jails, etc to engage with those who are at risk. The state provides vaccination for individuals who are uninsured or underinsured.

More information can be found: <https://www.cdc.gov/hepatitis/hav/index.htm>

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

	May 2018				June 2017			
	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	1350	30	185	N/A	60	2	15	N/A
Mold Count	4960	290	2385	Good	4020	500	1895	Good
Air Quality Index	105	33	58	(1) Unhealthy for Sensitive Groups	119	23	49.5	(1) Unhealthy for Sensitive Groups

\*\*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> <http://www.aaaai.org/global/nab-pollen-counts/reading-the-charts>. Data source for this table is the Air Quality Division of the Canton City Health Department.

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

	May 2018	YTD 2018	2017
Live Births	284	1383	4014*
Births to Teens	17	93	271*
Deaths	239	1863	4475*

\* Birth and death data is preliminary

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

	2013	2014	2015	2016	2017*
Birth	11.3	11.3	11.2	11.3	10.7
Death	11.3	11.4	11.6	11.7	11.9

\*Source: Ohio Department of Health Data Warehouse. Rates are per 1,000 population. 2017 data is preliminary.

Table 4: Jurisdictional Summary of Reportable Diseases in Stark County, OH (Provisional Data)	Alliance City		Canton City		Massillon City		Stark County		All Departments	
	May	YTD	May	YTD	May	YTD	May	YTD	May	YTD
Babesiosis	0	0	0	0	0	0	1	2	1	2
Campylobacteriosis	0	0	1	3	1	4	2	14	4	21
Chlamydia infection	12	54	85	327	16	67	59	295	172	743
Cryptosporidiosis	0	0	0	3	0	1	0	4	0	8
CP-CRE	0	2	0	1	0	0	0	2	0	5
E. coli, Shiga Toxin-Producing	0	0	0	2	0	1	1	1	1	4
Giardiasis	0	0	1	5	0	0	0	2	1	7
Gonococcal infection	1	13	20	128	3	17	16	70	40	228
Haemophilus influenzae (invasive disease)	0	0	0	1	0	0	0	1	0	2
Hepatitis A	0	0	0	1	0	0	0	1	0	2
Hepatitis B (including delta) - acute	0	0	1	3	0	0	0	1	1	4
Hepatitis B (including delta) - chronic	1	3	2	6	0	2	2	19	5	30
Hepatitis C - acute	0	0	0	3	0	0	0	0	0	3
Hepatitis C - chronic	3	10	9	56	3	14	12	56	27	136
Immigrant Investigation	0	1	0	0	0	1	0	0	0	2
Influenza - ODH Lab Results	0	0	0	0	0	0	0	1	0	1
Influenza-associated hospitalization	0	23	2	150	0	44	7	363	9	580
Legionellosis - Legionnaires' Disease	0	0	2	3	0	1	1	2	3	6
Lyme Disease	0	0	0	0	0	1	0	5	0	6
Measles - indigenous to Ohio	0	0	0	0	0	0	1	1	1	1
Meningitis - aseptic/viral	0	3	0	1	1	2	1	9	2	15
Meningitis - bacterial	0	0	0	0	0	1	0	0	0	1
Mumps	0	0	0	0	0	0	0	1	0	1
Pertussis	0	5	0	1	2	3	0	12	2	21
Salmonellosis	0	0	1	1	0	2	2	16	3	19
Shigellosis	0	0	0	6	0	4	0	10	0	20
Spotted Fever Rickettsiosis, including Rocky Mountain spotted fever (RMSF)	0	0	0	0	0	0	0	1	0	1
Streptococcal - Group A -invasive	0	1	1	8	0	0	2	8	3	17
Streptococcus pneumoniae - invasive antibiotic resistance unknown or non-resistant	0	2	0	4	0	0	4	12	4	18
Streptococcus pneumoniae - invasive antibiotic resistant/intermediate	0	0	0	0	0	1	1	3	1	4
Syphilis, Total	0	0	1	3	0	1	1	8	2	12
Syphilis, Primary, Secondary and Early Latent	0	0	0	2	0	1	0	3	0	6
Varicella	0	0	0	2	0	0	0	4	0	6
Yersiniosis	0	1	0	0	0	0	0	0	0	1
<b>Total</b>	<b>17</b>	<b>118</b>	<b>126</b>	<b>720</b>	<b>26</b>	<b>169</b>	<b>113</b>	<b>927</b>	<b>282</b>	<b>1933</b>

Source: Ohio Disease Reporting System, downloaded 06/12/2018.



Alliance City Health  
Department  
cityofalliance.com/health



Canton City Health  
Department  
cantonhealth.org



Massillon City Health  
Department  
massillonohio.com/health



Stark County Health  
Department  
starkhealth.org

**Table 5 – Summary Table of Diseases Reported in the Previous 5 years within Stark County (Provisional Data)**

	May-18	May-17	YTD 2018	YTD 2017	All of 2017	5 Yr Annual Average	Rate
Amebiasis	0	0	0	1	1	0.4	0.107
Anaplasmosis	0	0	0	0	0	0.4	0.107
Babesiosis	1	1	2	1	1	0.4	0.107
Brucellosis	0	0	0	0	1	0.2	0.054
Campylobacteriosis	4	3	21	25	88	74.0	19.807
Chlamydia	172	149	743	765	1803	1666.6	446.078
Coccidioidomycosis	0	0	0	0	0	0.4	0.107
CP-CRE	0	-	5	-	-	-	-
Creutzfeldt-Jakob Disease	0	0	0	0	3	1.2	0.321
Cryptosporidiosis	0	1	8	10	30	32.4	8.672
Cyclosporiasis	0	0	0	0	2	1.6	0.428
E. coli, Shiga Toxin-Producing (O157:H7, Not O157, Unknown Serotype)	1	0	4	3	12	11.0	2.944
Giardiasis	1	0	7	7	18	24.6	6.584
Gonorrhea	40	51	228	240	542	574.0	153.635
Haemophilus influenzae , Invasive	0	1	2	5	9	7.0	1.874
Hemolytic Uremic Syndrome (HUS)	0	0	0	0	0	0.2	0.054
Hepatitis A	0	0	2	5	10	7.0	1.874
Hepatitis B, Perinatal	0	0	0	0	0	1.8	0.482
Hepatitis B, Acute	1	2	4	3	9	5.6	1.499
Hepatitis B, Chronic	5	4	30	26	65	45.0	12.045
Hepatitis C, Acute	0	0	3	1	1	6.6	1.767
Hepatitis C, Chronic	27	24	136	147	304	295.4	87.363
Hepatitis E	0	0	0	0	0	0.2	0.054
Influenza-associated hospitalization	9	2	580	283	413	326.4	87.363
Influenza-associated pediatric mortality	0	0	0	0	0	0.2	0.054
LaCrosse virus disease	0	0	0	0	0	0.2	0.054
Legionellosis	3	1	6	3	15	15.4	4.122
Listeriosis	0	0	0	0	1	1.2	0.321
Lyme Disease	0	1	6	6	29	19.4	5.193
Malaria	0	0	0	0	0	0.6	0.161
Measles (indigenous to Ohio)	1	0	1	0	0	2.0	0.535
Meningitis, Aseptic	2	4	15	13	43	30.2	8.083
Meningitis, Other Bacterial	0	0	1	0	3	3.6	0.964
Meningococcal Disease	0	0	0	0	0	1.0	0.268
Mumps	0	0	1	2	3	2.8	0.749
Pertussis	2	2	21	6	41	42.8	11.456
Q fever, acute	0	0	0	0	0	0.4	0.107
Q fever, chronic	0	0	0	0	1	0.2	0.054
Salmonellosis	3	2	19	10	39	44.8	11.991
Shigellosis	0	1	20	3	23	38.6	10.332
Spotted Fever Rickettsiosis	0	0	1	1	6	1.2	0.321
Staphylococcal aureus - intermediate resistance to vancomycin (VISA)	0	0	0	0	0	0.2	0.054
Streptococcal Dis, Group A, Invasive	3	4	17	15	22	13.0	3.480
Streptococcal Dis, Group B, in Newborn	0	0	0	1	1	1.6	0.428
Streptococcal Toxic Shock Syndrome	0	0	0	0	0	0.8	0.214
Streptococcus pneumoniae - invasive antibiotic resistance unknown or non-resistant	4	1	18	18	33	31.2	8.351
Streptococcus pneumo - inv antibiotic resistant/intermediate	1	1	4	10	16	16.8	4.497
Syphilis, Total	2	2	12	12	31	15.4	4.122
Syphilis, Primary, Secondary and Early Latent	0	0	6	3	14	9.6	2.570
Toxic Shock Syndrome (TSS)	0	0	0	0	0	0.8	0.214
Tuberculosis	0	2	0	2	3	1.4	0.375
Thyphoid Fever	0	0	0	0	0	0.2	0.054
Varicella	0	1	6	4	20	25.6	6.852
Vibriosis - other (not cholera)	0	0	0	2	2	2.2	0.589
Vibrio parahaemolyticus infection	0	0	0	0	0	0.2	0.054
West Nile Virus	0	0	0	0	1	0.6	0.161
Yersiniosis	0	0	1	6	9	6.0	1.606
Zika virus infection	0	0	0	0	0	1.0	0.268

Source: Ohio Disease Reporting System, downloaded 06/12/2018. Rates are per 100K population and based on 5 yr average incidence '13 – '17.