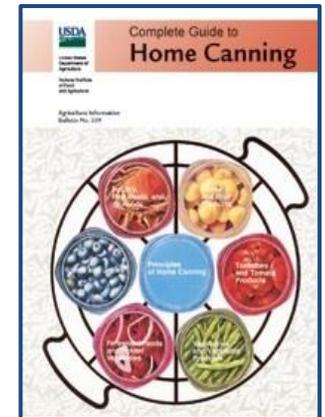


EPI Gram is a bimonthly publication of the Stark County Public Health Infrastructure Coalition. It contains a summary of provisional communicable disease reports and other key public health indicators, with summary tables for Stark County, Ohio. Some reportable conditions may be under investigation and,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

Monthly Highlight:

Around 137 cases of botulism are reported each year in the United States. There are five types of botulism including the following: foodborne, wound, infant, adult intestinal toxemia, and iatrogenic. During the month of April, Ohio residents experience a foodborne outbreak of botulism in Fairfield County. Though Stark County remained unaffected, it is still important to understand how to prevent infection.

The Centers for Disease Control and Prevention have provided the following guidelines to protect oneself from this toxin:



1. When in doubt, throw it out!
 - Never taste the product if the containers are leaking, have bulges or are extended, look damaged or cracked or just appear abnormal.
2. Inspect all canned goods.
 - Don't open a can if contamination is suspected. Contamination should be suspected when there is leaking, bulges, cracks or just seems abnormal.
 - If the container spurts liquid or foam when opened, or the food is discolored, moldy, or smells bad, treat the product as if it is contaminated.
3. Safely dispose of products suspected of contamination.
 - Wearing rubber gloves, double bag and seal the product and dispose of in a non-recyclable trash can away from humans and animals.
 - Don't discard the food in a sink, garbage disposal, or toilet.
4. Clean contaminated areas appropriately.
 - Clean with a bleach solution of ¼ cup of bleach to 2 cups of water.
 - Dispose of any gloves, towels or sponges used to clean up the contaminated area.

- For more information on botulism please see the following: <http://www.cdc.gov/nczved/divisions/dfbmd/diseases/botulism/>
- For more information on properly canning home goods please see the following: http://nchfp.uga.edu/publications/publications_usda.html

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

	April 2015				May 2014			
	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	555	2	85	N/A	730	35	212.5	N/A
Mold Count	4,600	200	440	All Good	9,970	710	3,335	4 (Moderate)
Air Quality Index	61	28	39.5	1 (Moderate)	57	18	43	2 (Moderate)

**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
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

	April 2015	YTD 2015	2014
Live Births	417	1,562	4,512
Births to Teens	28	110	380
Deaths	364	1,596	4,288

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

Table 3 Stark County Crude Birth Rate and Death Rates

	2009	2010	2011	2012	2013
Birth	11.4	10.8	10.8	10.9	11.2
Death	10.9	10.9	11.3	11.4	11.3

*Source: Ohio Department of Health Data Warehouse. Rates are per 1,000 population.

If you have any questions, including how to receive copies of this report, please contact Julia Wagner at 330.493.9914 or Wagnerj@starkhealth.org.

Table 4: Jurisdictional Summary of Reportable Diseases in Stark County

	Alliance City		Canton City		Massillon City		Stark County		Total	
	April	YTD	April	YTD	April	YTD	April	YTD	April	YTD
Amebiasis	0	0	0	0	0	0	0	1	0	1
Babesiosis	0	0	0	0	0	0	1	1	1	1
Campylobacteriosis	0	0	0	2	0	0	2	7	2	9
Chlamydia infection	8	21	59	248	17	56	43	181	127	506
Coccidioidomycosis	0	0	0	0	0	0	0	0	0	0
Cryptosporidiosis	1	1	0	1	0	0	2	5	3	7
E. coli-Not O157:H7	0	0	0	0	0	0	1	2	1	2
E. coli-O157:H7	0	0	0	0	0	0	0	0	0	0
Giardiasis	0	0	0	2	0	0	0	4	0	6
Gonococcal infection	2	8	28	91	5	13	7	24	42	136
Haemophilus Influenzae	0	0	0	1	0	0	0	2	0	3
Hemolytic Uremic Syndrome	0	0	0	0	0	0	0	0	0	0
Hepatitis A	0	0	0	1	0	0	0	0	0	1
Hepatitis B - acute	0	0	0	1	0	0	0	0	0	1
Hepatitis B - chronic	0	3	1	3	0	0	3	12	4	18
Hepatitis B - perinatal	0	0	0	0	0	0	1	3	1	3
Hepatitis C - acute	0	3	0	1	1	1	0	2	1	7
Hepatitis C - chronic	4	17	14	30	3	15	10	47	31	109
Influenza-associated hospitalization	1	6	13	74	2	22	25	167	41	269
Legionellosis	0	0	0	0	0	0	1	2	1	2
Lyme Disease	0	1		0	0	0	1	2	1	3
Malaria	0	0	0	0	0	0	0	0	0	0
Measles-indigenous to Ohio	0	0	0	0	0	0	0	0	0	0
Meningitis - aseptic/viral	0	0	0	1	0	2	1	4	1	7
Meningitis - bacterial (Not N. meningitidis)	0	0	0	0	0	0	0	1	0	1
Meningococcal disease	0	0	0	1	0	1	1	1	1	3
Mumps	0	0	0	1	0	0	0	2	0	3
Mycobacterial disease - other than tuberculosis	0	0	1	2	0	1	2	5	3	8
Pertussis	3	6	0	8	0	3	1	7	4	24
Salmonellosis	0	0	0	1	0	0	2	5	2	6
Shigellosis	0	0	0	0	0	0	0	0	0	0
Streptococcal - Group A -invasive	0	0	0	1	0	1	0	3	0	5
Streptococcal - Group B -newborn	0	0	0	0	0	0	0	0	0	0
Streptococcal toxic shock syndrome (STSS)	0	0	0	1	0	0	0	0	0	1
Streptococcus pneumoniae - invasive antibiotic resistance unknown/non-resistant	0	0	2	3	1	1	1	4	4	8
Streptococcus pneumoniae - invasive antibiotic resistant/intermediate	1	2	0	1	0	0	2	7	3	10
Syphilis, Total	0	0	0	0	0	0	0	2	0	2
Syphilis, Primary and Secondary	0	0	0	0	0	0	0	1	0	1
Tuberculosis	0	0	0	0	0	0	0	0	0	0
Typhoid Fever	0	0	0	0	0	0	0	0	0	0
Varicella	0	0	0	1	0	0	1	4	1	5
Vibriosis-Other (not cholera)	0	0	0	0	0	0	0	0	0	0
West Nile	0	0	0	0	0	0	0	0	0	0
Yersiniosis	0	0	0	0	0	0	0	2	0	2
Total	20	68	118	476	29	116	110	509	277	1,169

Source: Ohio Disease Reporting System, downloaded 5/11/2015.

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

	April 2015	April 2014	YTD 2015	YTD 2014	All of 2014	5 Yr. Annual Average	5 Yr. Annual Rate
Amebiasis	0	0	1	0	0	0.2	0.053
Anaplasmosis	0	0	0	0	0	0.2	0.053
Babesiosis	1	0	1	0	0	0.2	0.053
Brucellosis	0	0	0	0	0	0.2	0.053
Campylobacteriosis	2	3	9	13	74	59.2	15.762
Chlamydia	127	129	506	533	1,531	1,465.2	390.110
Coccidioidomycosis	0	0	0	0	1	0.4	0.107
Creutzfeldt-Jakob Disease	0	0	0	0	0	0.6	0.160
Cryptosporidiosis	3	2	7	13	29	27.8	7.402
Cyclosporiasis	0	0	0	0	0	0.2	0.053
Dengue	0	0	0	0	0	0.8	0.213
Escherichia coli , STP, Not O157:H7	1	0	2	0	2	1.2	0.320
Escherichia coli O157:H7	0	0	0	0	6	2.8	0.746
Escherichia coli , STP, Unk Serotype	0	0	0	0	0	0.4	0.107
Ehrlichiosis	0	0	0	0	0	0.2	0.053
Giardiasis	0	0	6	2	15	44.2	11.768
Gonorrhea	42	50	136	207	527	562.8	149.846
Haemophilus influenzae , Invasive	0	0	3	1	6	7.4	1.970
Hemolytic Uremic Syndrome (HUS)	0	0	0	0	1	0.2	0.053
Hepatitis A	0	0	1	1	9	4.8	1.278
Hepatitis B, Acute	0	0	1	0	6	5.2	1.385
Hepatitis B, Chronic	4	4	18	21	41	32.4	8.627
Hepatitis B, Perinatal	1	0	3	0	1	2.6	0.692
Hepatitis C, Acute	1	0	7	1	4	6	1.597
Hepatitis C, Chronic	31	22	109	93	263	247.8	65.977
Hepatitis E	0	0	0	0	0	0.2	0.053
Influenza-associated hospitalization	41	9	269	137	409	208.2	55.433
Influenza-associated pediatric mortality	0	0	0	0	0	0.2	0.053
LaCrosse virus disease	0	0	0	0	0	0.8	0.213
Legionellosis	1	0	2	0	6	13.6	3.621
Listeriosis	0	0	0	0	1	1.4	0.373
Lyme Disease	1	1	3	2	9	10.8	2.876
Malaria	0	0	0	0	1	1	0.266
Measles (indigenous to Ohio)	0	0	0	0	9	1.8	0.479
Meningitis, Aseptic/Viral	1	2	7	7	24	35.6	9.479
Meningitis, Other Bacterial	0	0	1	1	2	3.2	0.852
Meningococcal Disease	1	0	3	1	2	1	0.266
Mumps	0	1	3	1	5	1.4	0.373
Mycobacterial disease - Not TB	3	3	8	9	34	30.4	8.094
Other arthropod-borne disease	0	0	0	0	1	0.2	0.053
Pertussis	4	3	24	17	81	45.6	12.141
Q fever, acute	0	0	0	0	0	0.4	0.106
Salmonellosis	2	3	6	8	38	37.8	10.064
Shigellosis	0	6	0	32	69	34	9.053
Spotted Fever Rickettsiosis	0	0	0	0	0	0.6	0.160
Streptococcal Dis, Group A, Invasive	0	2	5	3	10	15.8	4.207
Streptococcal Dis, Group B, in Newborn	0	0	0	0	1	2.4	0.639
Streptococcal Toxic Shock Syndrome	0	1	1	2	2	1	0.266
Streptococcus pneumoniae - invasive antibiotic resistance unknown / non-resistant	4	7	8	15	27	36	9.585
Streptococcus pneumoniae - invasive antibiotic resistant /intermediate	3	0	10	1	9	18.8	5.006
Syphilis, Total	0	0	2	7	7	6.4*	1.704*
Syphilis, Primary and Secondary	0	0	1	3	7	0.8*	0.213*
Toxic Shock Syndrome (TSS)	0	0	0	0	0	0.8	0.213
Tuberculosis	0	0	0	0	1	1.8	0.479
Typhoid Fever	0	0	0	0	1	0.4	0.107
Typhus Fever	0	0	0	0	0	0.2	0.053
Varicella	1	4	5	9	24	35.4	9.425
Vibriosis parahaemolyticus	0	0	0	0	0	0.2	0.053
Vibriosis - other (not cholera)	0	0	0	0	1	0.6	0.160
West Nile Virus	0	0	0	0	1	0.4	0.107
Yersiniosis	0	0	2	0	3	1.2	0.320

Source: OH Disease Reporting System, downloaded 5/11/2015. Rates are per 100K population and based on 5 yr. average incidence 09-13.*08-12 from ODH Stats pg.