

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:

Salmonellosis is generally seen to increase in the summer months. As we near that time, Stark County has begun to see an increase in cases of Salmonella being reported. During the month of May Stark County had eight cases of Salmonella reported whereas this month last year Stark County only received three reported cases. Additionally Stark County has already surpassed the year-to-date number of cases for last year. These eight cases accounted for over half of this year's Salmonella cases altogether. Though many of the cases so far this year have not been connected, a few were linked by familial means or by a common vacationing spot.

In general, many associate Salmonella with undercooked food, but this illness can also come from contact with animals, such as chickens or pet snakes. Recently the United States experienced an outbreak associated with crested geckos, a popular pet lizard. As seen on the map, by mid May twenty people were infected in sixteen different states. Three people were hospitalized and none have died. Susceptibility testing is ongoing, but the initial testing has shown there is no current antibiotic resistance.



The following guidelines are put forth by the Centers of Disease Control and Prevention in order to prevent the spread of Salmonella from reptiles to humans:

- Children under the age of five should not be in contact with reptiles or their living environment.
 - Keep reptiles out of homes with young children or those with weekend immune systems.
 - Reptiles should not be kept in daycare centers or nurseries.
- Reptiles should not be allowed to roam freely through the house or in areas where food or drink is prepared, served, or stored, such as kitchens, pantries and outdoor patios.
 - Reptile habitats within the home should be taken outside to clean. Disposable gloves should be used and the water should not be disposed of in sinks used during food preparation or for drinking water.
- Wash your hands thoroughly with soap and warm water after touching a reptile or anything in the area they live. Use sanitizer if soap and warm water are not available.
- Wash clothes after they have come into contact with a reptile.
- Do not touch your mouth or eat or drink around these animals.

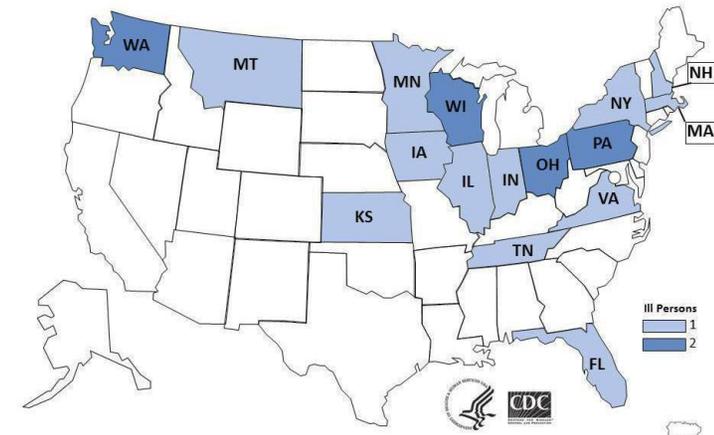


Table 1 Summary of Air Quality Index, Pollen, and Mold Counts for Stark County, Ohio, including historical data.

	May 2015				June 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	1,610	30	145	N/A	350	5	50	N/A
Mold Count	9,280	400	1,890	2	11,280	1,840	5,080	6
Air Quality Index	94	29	43	4	65	32	42	3

**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

	May 2015	YTD 2015	2014
Live Births	348	1,911	4,512
Births to Teens	18	128	380
Deaths	347	1,954	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	
	May	YTD	May	YTD	May	YTD	May	YTD	May	YTD
Amebiasis	0	0	0	0	0	0	0	1	0	1
Babesiosis	0	0	0	0	0	0	0	1	0	1
Campylobacteriosis	1	1	2	4	0	0	4	11	7	16
Chlamydia infection	5	25	3	286	16	72	40	221	99	604
Coccidioidomycosis	0	0	38	0	0	0	0	0	0	0
Cryptosporidiosis	0	1	0	1	0	0	0	5	0	7
E. coli-Not O157:H7	0	0	0	0	0	0	1	3	1	3
E. coli-O157:H7	0	0	0	0	0	0	0	0	0	0
Giardiasis	0	0	0	2	1	1	1	5	2	8
Gonococcal infection	2	10	14	105	7	20	4	28	27	163
Haemophilus Influenzae	0	1	1	2	0	0	0	2	2	5
Hemolytic Uremic Syndrome	0	0	0	0	0	0	0	0	0	0
Hepatitis A	0	0	1	2	0	0	0	0	1	2
Hepatitis B - acute	0	0	0	1	0	0	0	0	0	1
Hepatitis B - chronic	0	3	0	3	0	0	2	14	2	20
Hepatitis B - perinatal	0	0	0	0	0	0	1	3	1	3
Hepatitis C - acute	0	2	0	1	0	2	0	2	0	7
Hepatitis C - chronic	4	22	7	37	2	17	5	52	18	128
Influenza-associated hospitalization	1	7	1	75	2	24	5	173	9	279
Legionellosis	0	0	0	0	0	0	0	2	0	2
Lyme Disease	0	1	0	0	0	0	0	2	0	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	5	1	8
Meningitis - bacterial (Not N. meningitidis)	0	0	0	0	0	0	0	1	0	1
Meningococcal disease	0	0	0	1	0	1	0	1	0	3
Mumps	0	0	0	1	0	0	0	2	0	3
Mycobacterial disease - other than tuberculosis	0	0	0	2	0	1	1	6	1	9
Pertussis	0	6	0	8	0	3	0	7	0	24
Salmonellosis	0	0	2	3	1	1	5	10	8	14
Shigellosis	0	0	1	1	0	0	0	0	1	1
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	1	4	0	1	2	6	3	11
Streptococcus pneumoniae - invasive antibiotic resistant/intermediate	0	2	2	3	0	0	0	7	2	12
Syphilis, Total	0	0	0	2	2	2	0	0	2	4
Syphilis, Primary and Secondary	0	0	0	1	0	0	0	0	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	6	10	6	11
Vibriosis-Other (not cholera)	0	0	0	0	0	0	1	1	1	1
West Nile	0	0	0	0	0	0	0	0	0	0
Yersiniosis	0	0	0	0	0	0	1	3	1	3
Total	14	81	70	546	29	146	80	589	193	1,362

Source: Ohio Disease Reporting System, downloaded 6/8/2015.

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

	May 2015	May 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	0	0	1	0	0	0.2	0.053
Brucellosis	0	0	0	0	0	0.2	0.053
Campylobacteriosis	7	7	16	20	74	59.2	15.762
Chlamydia	99	96	604	629	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	0	0	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	1	3	1	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	2	0	8	2	15	44.2	11.768
Gonorrhea	27	49	163	256	527	562.8	149.846
Haemophilus influenzae , Invasive	2	1	5	2	6	7.4	1.970
Hemolytic Uremic Syndrome (HUS)	0	0	0	0	1	0.2	0.053
Hepatitis A	1	1	2	2	9	4.8	1.278
Hepatitis B, Acute	0	0	1	2	6	5.2	1.385
Hepatitis B, Chronic	2	3	20	24	41	32.4	8.627
Hepatitis B, Perinatal	1	0	3	0	1	2.6	0.692
Hepatitis C, Acute	0	0	7	1	4	6	1.597
Hepatitis C, Chronic	18	24	128	117	263	247.8	65.977
Hepatitis E	0	0	0	0	0	0.2	0.053
Influenza-associated hospitalization	9	2	279	139	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	0	0	2	0	6	13.6	3.621
Listeriosis	0	0	0	0	1	1.4	0.373
Lyme Disease	0	0	3	2	9	10.8	2.876
Malaria	0	0	0	0	1	1	0.266
Measles (indigenous to Ohio)	0	1	0	1	9	1.8	0.479
Meningitis, Aseptic/Viral	1	1	8	8	24	35.6	9.479
Meningitis, Other Bacterial	0	0	1	1	2	3.2	0.852
Meningococcal Disease	0	0	3	1	2	1	0.266
Mumps	0	0	3	1	5	1.4	0.373
Mycobacterial disease - Not TB	1	4	9	13	34	30.4	8.094
Other arthropod-borne disease	0	0	0	0	1	0.2	0.053
Pertussis	0	4	24	21	81	45.6	12.141
Q fever, acute	0	0	0	0	0	0.4	0.106
Salmonellosis	8	3	14	11	38	37.8	10.064
Shigellosis	0	7	1	39	69	34	9.053
Spotted Fever Rickettsiosis	0	0	0	0	0	0.6	0.160
Streptococcal Dis, Group A, Invasive	0	3	5	6	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	0	1	2	2	1	0.266
Streptococcus pneumoniae - invasive antibiotic resistance unknown / non-resistant	3	2	11	17	27	36	9.585
Streptococcus pneumoniae - invasive antibiotic resistant /intermediate	2	0	12	1	9	18.8	5.006
Syphilis, Total	2	2	4	2	7	6.4*	1.704*
Syphilis, Primary and Secondary	0	0	1	0	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	6	1	11	10	24	35.4	9.425
Vibriosis parahaemolyticus	0	0	0	0	0	0.2	0.053
Vibriosis - other (not cholera)	1	1	1	1	1	0.6	0.160
West Nile Virus	0	0	0	0	1	0.4	0.107
Yersiniosis	1	0	3	0	3	1.2	0.320

Source: OH Disease Reporting System, downloaded 6/8/2015. Rates are per 100K population and based on 5 yr. average incidence 09-13.*08-12 from ODH Stats pg.