

Notes on data:

The report includes confirmed and probable cases; suspect cases are not included in this report. Please note that these data are provisional as of 3/19/2021.

Notes on current report:

There was little meaningful differences between the number of cases of **enteric disease** reported to the Saint Louis County Department of Public Health (DPH) in 2019 compared with 2018. For the enteric illnesses represented in the chart below, DPH received reports on 407 total cases in 2019, a 20% decrease over 2018 (510 total cases). The small overall decrease was largely driven by decreases in shigellosis and salmonellosis.

DPH observed a 90% decrease in cases of **shigellosis** reported in 2019 (n=18), compared with the annual median of the past five years (n=172). There were no reported outbreaks in 2019, which contributed to the lower overall number of shigellosis cases.

Yearly **salmonellosis** cases for 2019 (n=120) were 28% below the median of the past five years (n=167) and 21% lower than in 2018 (n=152).

For more information on enteric diseases, please visit CDC's website at:

<https://www.cdc.gov/ncezid/dfwed/edeb/index.html>

In 2019, there were 99 cases of **pertussis** reported to DPH, a 30% increase over the annual median of the past five years (n=76).

For more information on pertussis, please visit CDC's website at:

<https://www.cdc.gov/pertussis/index.html>

DPH observed an overall 28% increase in reported cases of **tickborne illness** in 2019 (n=59), compared with 2018 (n=46) and a 31% increase over the median of the previous five years (n=45). These increases were largely attributable to high numbers of reported cases of **ehrlichiosis**, compared with previous years.

For more information on ehrlichiosis, please visit CDC's website at:

<https://www.cdc.gov/ehrlichiosis/index.html>

Saint Louis County Department of Public Health - Division of Communicable Disease Control Services

Summary Surveillance CDCS Monthly End-of-Year Report (2019) Report Date: March 19, 2021

If you need to reach us on that day or at any time outside of normal business hours please note the following:

To report a public health emergency in Saint Louis County:

During normal business hours - Monday thru Friday 8:00 a.m. - 5:00 p.m.

Call Saint Louis County DPH at **(314) 615-1630**

At all other times:

call **(314) 615-7677** or fax **(314) 615-7643**.

To report any Saint Louis area Hazardous Material concern: Call 911

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		Year to Year Comparison					Historic	% Change
		Totals					Median of 5 previous years (2012-2016) YTD totals	from current YTD totals to historic 5 year median
Conditions	2015	2016	2017	2018	2019			
Enterics	Campylobacteriosis	106*	100	98	118	122	100	22%
	Cryptosporidiosis	24	34	55	48	56	34	65%
	Cyclosporiasis	0	4	4	44	15	4	275%
	E. coli O157:H7	4	8	6	8*	0	6	-100%
	E. coli shiga toxin (non O157)**	17	36	37	47*	31	36	-14%
	Giardiasis	35	50	23	29	30	34	-12%
	Hemolytic Uremic Syndrome (HUS)	0	0	1	2	0	1	-100%
	Listeriosis	0	0	3	4	4	3	33%
	Salmonellosis	181	167	174*	152	120	167	-28%
	Shiga toxin positive (Unk. organism)	1	2	5	1*	0	1	-100%
	Shigellosis	187	126	172*	100	18	172	-90%
	Typhoid fever	0	3	1	1	0	1	-100%
	Vibriosis	1	1	0*	6	4	1	300%
	Yersiniosis	5	10	2	6	7	5	40%
Enteric Totals		455	541	235	510	407		
Vector Borne	Anaplasmosis	3	2	3	0	1	2	-50%
	Chikungunya	2*	1	0	1	0	1	-100%
	Dengue fever	0	6	0	0	1	0	N/A
	Ehrlichiosis	16	18	27	24	35	23	52%
	Lyme	1	0	4*	2	4	2	100%
	Malaria	4	3	4	1	2	4	-50%
	Q fever	0	0	0	0	1	0	N/A
	Rocky Mountain spotted fever	16	4	17	20	18	17	6%
	Tularemia	1	0	2*	0	0	1	-100%
	West Nile, neuroinvasive	6	5	4	4	0	4	-100%
	West Nile, non neuroinvasive	1	1	0	3	0	1	-100%
	Zika	0	0*	1	0	0	0	N/A
Vector Borne Totals		48	40	56	55	62		

*There was a change in case definition this year resulting in a potential increase or decrease of case counts

**E. coli shiga toxin (non O157) includes E. coli cases that have not yet or will not be serogrouped and those serogrouped but are not O157

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		Totals						
Conditions		2015	2016	2017	2018	2019	Median of 5 previous years (2012-2016) YTD totals	from current YTD totals to historic 5 year median
Systemic	Botulism	0	0	0	0	0	0	N/A
	Brucellosis	0	0	1	0	0	0	N/A
	Coccidioidomycosis	2	4	3	8	3	4	-25%
	Creutzfeldt-Jakob disease (CJD)	3	3	3	3	2	3	-33%
	Haemophilus influenzae, invasive	24*	28	20	16	15	20	-25%
	Legionellosis	30	33	25	27	38	27	41%
	Staph aureus, VISA	23	7	13	2	4	13	-69%
	Strep Pneumoniae, invasive	17	16	0*	0	0	16	-100%
	Toxic shock (strep or staph) syndrome	0	2	0	1	2	0	N/A
Systemic Totals		75	93	65	57	64		
Vaccine Preventable	Diphtheria	0	0	0	0	0	0	N/A
	Measles	0	0	0	0	0	0	N/A
	Meningococcal disease	1*	0	0	1	3	0	N/A
	Mumps	0	11	30	2	3	2	50%
	Pertussis	55	125	76	39	99	76	30%
	Rubella	0	0	0	0	0	0	N/A
	Tetanus	0	0	0	0	0	0	N/A
	Varicella	5	2	7	9	12	5	140%
Vaccine Preventable Disease Totals		60	138	113	51	117		

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Conditions		2015	2016	2017	2018	2019		
Sexually Transmitted Diseases	Chlamydia	5502	5705	6184	6435	6624	5698	16%
	Gonorrhea	2033	2627	2610	2776	3008	2599	16%
	Syphilis, congenital	0	0	3	1*	1	0	N/A
	Syphilis, early	101	142	202	200*	202	144	40%
	Syphilis, late latent	57	48	66	128*	144	56	157%
Sexually Transmitted Infection Totals		7693	8522	9065	9211	9979		
Viral Hepatitis	Hepatitis A acute	1	2	1	5	8	1	700%
	Hepatitis B (pregnancy) prenatal	32	23	24	26	16	31	-48%
	Hepatitis B acute	6	3	9	2	8	3	167%
	Hepatitis B chronic	129	70	76	100	91	90	1%
	Hepatitis C acute	0	6	19	24	10	6	67%
	Hepatitis C chronic	921	629	601	476	436	629	-31%
Viral Hepatitis Totals		1089	733	730	633	569		
Bite Exposure	Animal bites	36	139	183	263	355	139	155%
	Rabid animal	8	1	3	0	4	3	33%
	Rabies post-exposure prophylaxis (RPEP)	61	68	59	147	162	68	138%
Bite Exposure Totals		105	208	245	410	521		
Mycobacterial	Nontuberculous Mycobacteria (NTM)	188	185	163	170	184	185	-1%
	TB disease***	15	20	15	16	13	15	-13%
	TB infection	391	516	414	514*	526	514	2%
Mycobacterial Totals		594	721	592	186	723		

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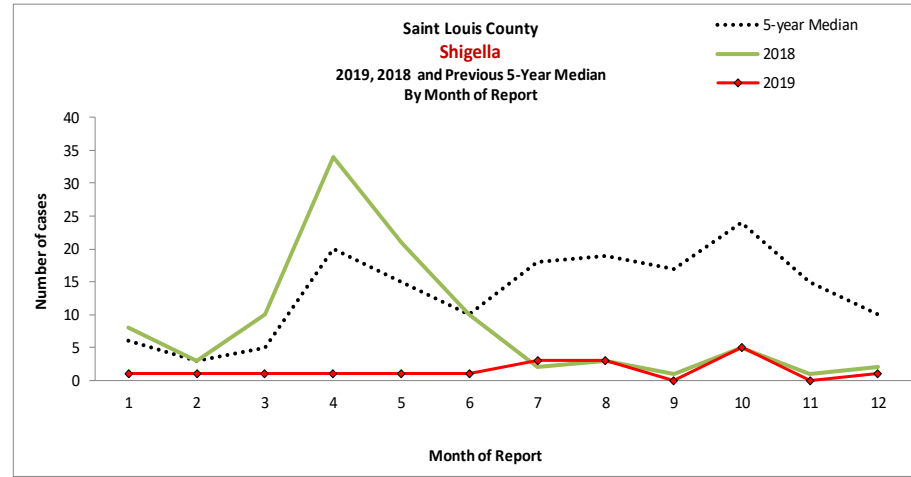
***TB Disease includes cases that are counted and managed by Saint Louis County TB Program

A full list of reportable conditions in the state of Missouri can be found on the state's website at:

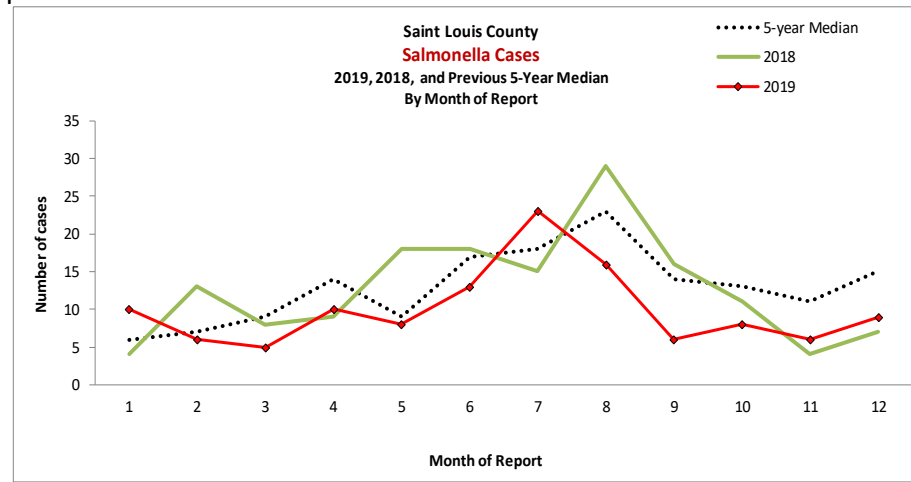
<https://health.mo.gov/living/healthcondiseases/communicable/communicabledisease/>

Acute Gastrointestinal Diseases:

SHIGELLOSIS: In 2019, the number of cases of Shigella ranged from 0 to 5 per month. During the previous 5 years, the median number of Shigella cases ranged from 3 to 24 per month.



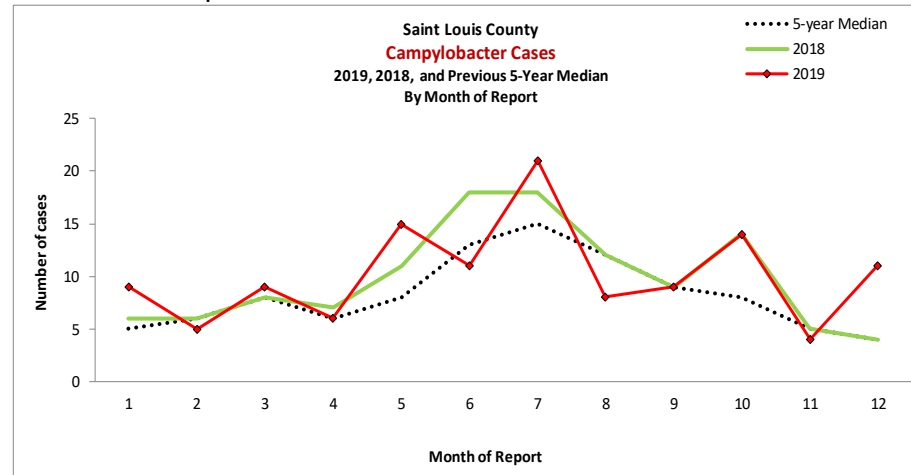
SALMONELLOSIS: In 2019, the number of cases of Salmonella ranged from 5 to 23 per month. During the previous 5 years, the median number of Salmonella cases ranged from 6 to 23 per month.



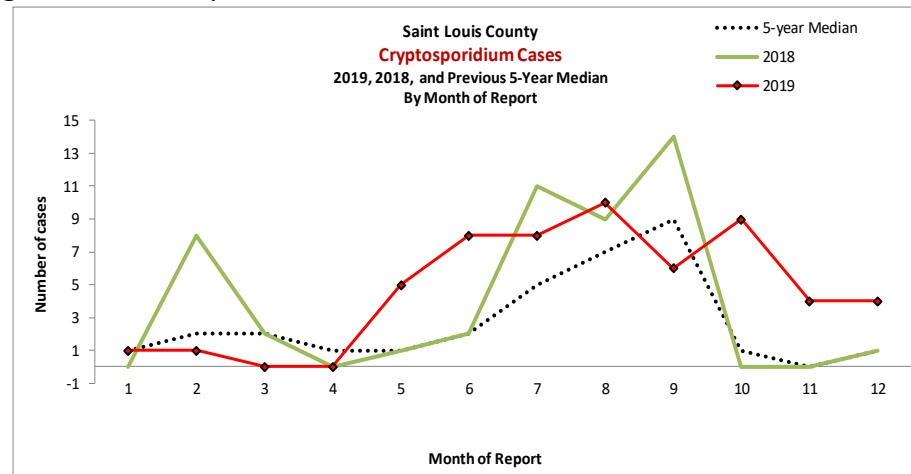
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CAMPYLOBACTERIOSIS: In 2019, the number of cases of Campylobacter ranged from 4 to 21 per month. During the previous 5 years, the median number of Campylobacter cases ranged from 4 to 15 per month.



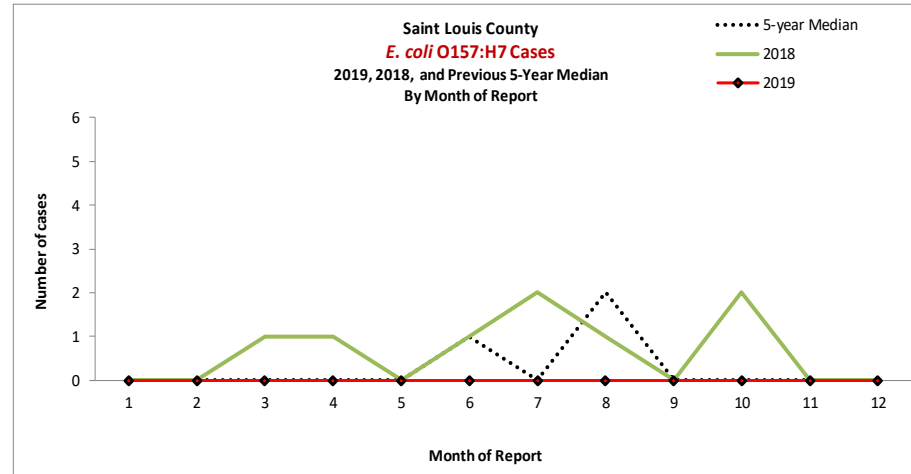
CRYPTOSPORIDIOSIS: In 2019, the number of cases of Cryptosporidium ranged from 0 to 10 per month. During the previous 5 years, the median number of Cryptosporidium cases ranged from 0 to 9 per month.



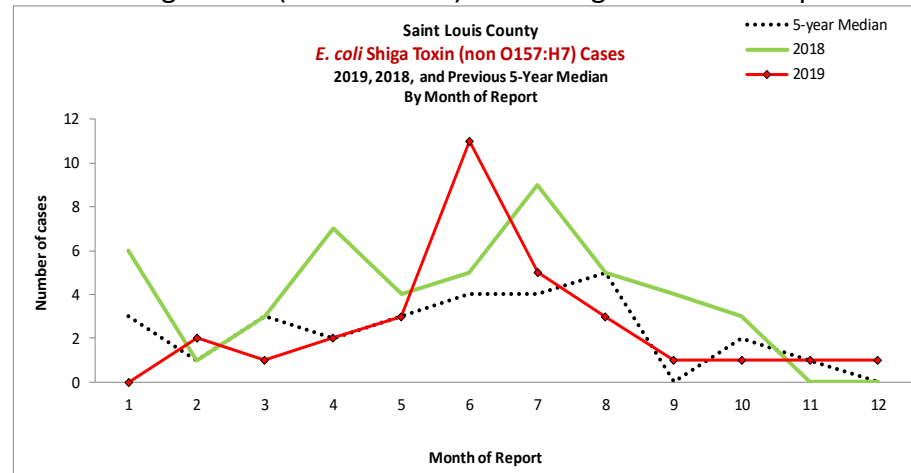
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E. COLI O157 H7: In 2019, there were zero cases of *E. coli* O157:H7 reported to DPH. During the previous 5 years, the median number of *E. coli* O157:H7 cases ranged from 0 to 2 per month.



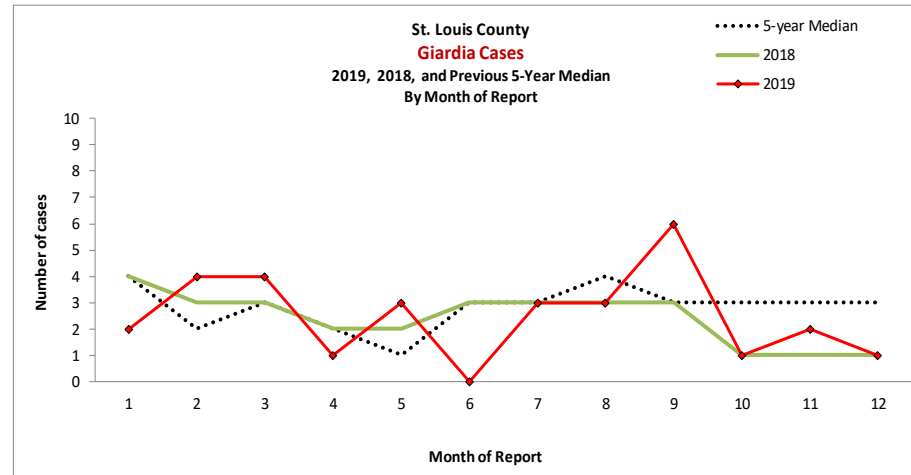
E. COLI SHIGA TOXIN (non O157:H7): In 2019, the number of cases of *E. coli* Shiga Toxin (non O157:H7) ranged from 0 to 11 per month. During the previous 5 years, the median number of *E. coli* Shiga Toxin (non O157:H7) cases ranged from 0 to 5 per month.



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GIARDIASIS: In 2019, the number of cases of Giardia ranged from 0 to 6 per month. During the previous 5 years, the median number of Giardia cases ranged from 1 to 4 per month.



Respiratory Disease:

PERTUSSIS: In 2019, the number of cases of Pertussis ranged from 1 to 15 per month. During the previous 5 years, the median number of Pertussis cases ranged from 2 to 21 per month.

