

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 10/3/2023.

Notes on current report:

The number of **enteric diseases** reported to the Saint Louis County Department of Public Health (DPH) increased in 2022 compared with 2021. For the enteric illnesses represented in the chart below, DPH received reports on 361 total cases in 2022, an 18% increase from 2021 (305 total cases).

Yearly **cryptosporidiosis** cases for 2022 (n=22) were 54% below the median of the past five years (n=48) and 73% higher than in 2021 (n=6).

There was a 54% decrease in cases of **cyclosporiasis** reported in 2022 (n=5), compared with the annual median of the past five years (n=19).

In 2022, there were 26 cases of **E. coli Shiga toxin positive (non-O157)** reported to DPH; a 16% decrease over the median of the past five years (n=31).

There was a 26% increase in cases of **giardiasis** reported in 2022 (n=29), compared with the annual median of the past five years (n=23).

Yearly **salmonellosis** cases for 2022 (n=129) were 8% above the median of the past five years (n=120) and 14% higher than in 2021 (n=113).

DPH observed a 6% decrease in cases of **shigellosis** reported in 2022 (n=17), compared with the annual median of the past five years (n=18). There were no reported outbreaks in 2022, which contributed to the lower overall number of shigellosis cases.

There was a 129% increase in **yersiniosis** cases reported in 2022 (n=16), compared with the annual median of the past five years (n=7).

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

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

In 2022, there were 5 cases of **pertussis** reported to DPH, an 87% decrease over the annual median of the past five years (n=39) and a 67% increase compared with 2021 (n=3).

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

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

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In March 2020 the **2019 Novel Coronavirus (COVID-19)** was detected in Saint Louis County. Overall, there were 124,744 cases reported to DPH in 2022, an increase of 40% from 2021 (n=88,964).

For more information on COVID-19, please visit CDC's website at:

<https://www.cdc.gov/coronavirus/2019-ncov/index.html>

The number of cases of **sexually transmitted infections (STI's)** reported to DPH in 2022 compared with 2021 increased for all conditions. For the STI's represented in the chart below, DPH received reports on 10,192 total cases in 2022, a 2% increase over 2021 (10,041 total cases). The cases of **congenital syphilis** have increased by 267% from 2022 (n=11) from the annual medial of the past five years (n=3).

For more information on sexually transmitted Diseases, please visit CDC's website at:

<https://www.cdc.gov/std/default.htm>

DPH observed a 23% increase in **animal bites** reported in 2022 (n=437), compared with the annual median of the past five years (n=356).

For more information on animal bite exposures, please visit CDC's website at:

<https://www.cdc.gov/rabies/exposure/animals/domestic.html>

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 (2017-2021) YTD totals	from current YTD totals to historic 5 year median
Conditions		2018	2019	2020	2021	2022		
Enterics	Campylobacteriosis	118	122	91	94	107	98	9%
	Cryptosporidiosis	48	56	23	6	22	48	-54%
	Cyclosporiasis	44	15	41	19	5	19	-74%
	E. coli O157:H7	8*	0	3	5	4	5	-20%
	E. coli shiga toxin (non O157)**	47*	31	17	25	26	31	-16%
	Giardiasis	29	30	13	17	29	23	26%
	Hemolytic Uremic Syndrome (HUS)	2	0	0	1	0	1	-100%
	Listeriosis	4	4*	6	1	3	4	-25%
	Salmonellosis	152	120	82	113	129	120	8%
	Shiga toxin positive (Unk. organism)	1*	0	1	0	0	1	-100%
	Shigellosis	100	18	12	12	17	18	-6%
	Typhoid fever	1	0*	3	3	0	1	-100%
	Vibriosis	6	4	2	2	3	2	50%
	Yersiniosis	6*	7	12	7	16	7	129%
Enteric Totals		566	407	306	305	361		
Vector Borne	Anaplasmosis	0	1	0	2	4	1	300%
	Chikungunya	1	0	0	0	0	0	N/A
	Dengue fever	0	1	1	0	0	0	N/A
	Ehrlichiosis	24	35	29	32	22	29	-24%
	Lyme	2	4	3	1	2*	3	-33%
	Malaria	1	2	0	2	5	2	150%
	Q fever	0	1	0	0	0	0	N/A
	Rocky Mountain spotted fever	20	18	8*	3	3	17	-82%
	Tularemia	0	0	1	1	1	1	0%
	West Nile, neuroinvasive	4	0	1	2	1	2	-50%
	West Nile, non neuroinvasive	3	0	0	0	0	0	N/A
Zika	0	0	0	0	0	0	N/A	
Vector Borne Totals		55	62	43	43	38		

*There was a change in case definition this year which may result 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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Conditions		Year to Year Comparison					Historic	% Change
		Totals					Median of 5 previous years (2017-2021) YTD totals	from current YTD totals to historic 5 year median
		2018	2019	2020	2021	2022		
Systemic	Botulism	0	0	0	0	0	0	N/A
	Brucellosis	0	0	0	0	0	0	N/A
	Coccidioidomycosis	8	3	5	5	1	5	-80%
	Creutzfeldt-Jakob disease (CJD)	3	2	1	2	0	2	-100%
	Haemophilus influenzae, invasive	16	15	10	11	16	15	7%
	Legionellosis	27	38	7*	32	19	27	-30%
	Staph aureus, VISA	2	4	15	6	10	6	67%
	Strep Pneumoniae, invasive	79	78	40	33	56	68	-18%
	Toxic shock (strep or staph) syndrome	1	2	0	0	1	0	N/A
Systemic Totals		136	142	78	89	103		
Vaccine Preventable	COVID-19	0	0	73,743*	88,964*	124,744	0	N/A
	Diphtheria	0	0*	0	0	0	0	N/A
	Measles	0	0	0	0	0	0	N/A
	Meningococcal disease	1	3	0	5	1	1	0%
	Mumps	2	3	0	0	1	2	-50%
	Pertussis	39	99	35*	3	5	39	-87%
	Rubella	0	0	0	0	0	0	N/A
	Tetanus	0	0	0	0	0	0	N/A
	Varicella	9	12	9	13	8	9	-11%
Vaccine Preventable Disease Totals		51	117	73787	88985	124,759		

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		Year to Year Comparison					Historic	% Change
		Totals					Median of 5 previous years (2017-2021) YTD totals	from current YTD totals to historic 5 year median
Conditions		2018	2019	2020	2021	2022		
Sexually Transmitted Infections	Chlamydia	6449	6599	6065	6189	6458*	6189	4%
	Gonorrhea	2790	2996	3407	3259	3188	2996	6%
	Syphilis, congenital	1*	1	4	11	11	3	267%
	Syphilis, early	203*	201	231	298	262	203	29%
	Syphilis, late latent	127*	146	170	284	273	146	87%
Sexually Transmitted Infection Totals		9570	9943	9877	10041	10192		
Viral Hepatitis	Hepatitis A acute	5	8*	10	1	3	5	-40%
	Hepatitis B (pregnancy) prenatal	26	22	22	19	19	22	-14%
	Hepatitis B acute	2	8	6	4	0	6	-100%
	Hepatitis B chronic	103	95	86	99	83	95	-13%
	Hepatitis C acute	21	10	7*	0	0	10	-100%
	Hepatitis C chronic	477	435	352*	311	296	435	-32%
Viral Hepatitis Totals		634	578	483	434	401		
Bite Exposure	Animal bites	263	356	390	415	437	356	23%
	Rabid animal	0	4	2	2	5	2	150%
	Rabies post-exposure prophylaxis (RPEP)	147	162	158	179	253	158	60%
Bite Exposure Totals		410	522	550	596	695		
Mycobacterial	Nontuberculous Mycobacteria (NTM)	170	184	124	130	113	163	-31%
	TB disease***	16	13	16	19	15	16	-6%
	TB infection	512*	523	399	388	480	410	17%
Mycobacterial Totals		698	720	539	537	608		

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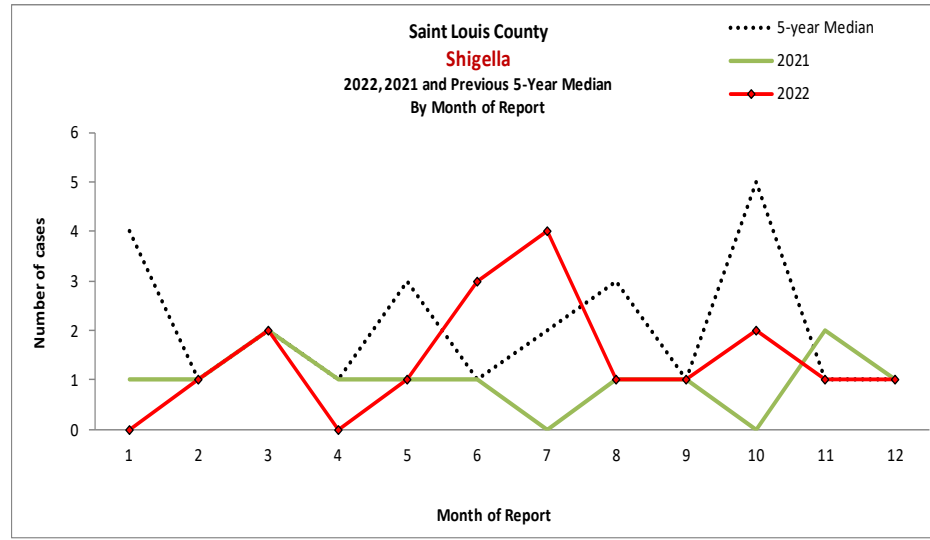
***TB Disease includes cases that are counted and managed by Saint Louis County TB Program

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

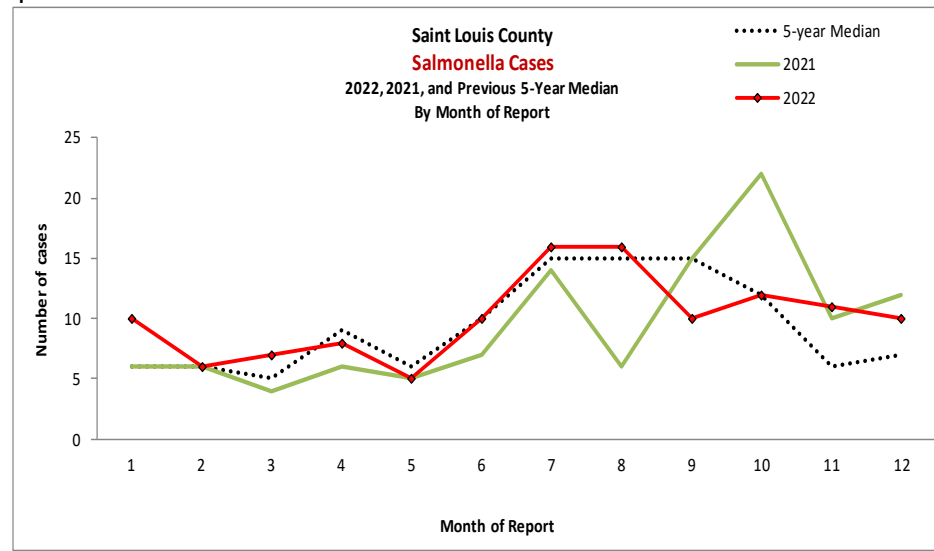
<https://health.mo.gov/living/healthcondiseases/communicable/communicabledisease/>

Acute Gastrointestinal Diseases:

SHIGELLOSIS: In 2022, the number of cases of Shigella ranged from 0 to 4 per month. During the previous 5 years, the median number of Shigella cases ranged from 1 to 5 per month.



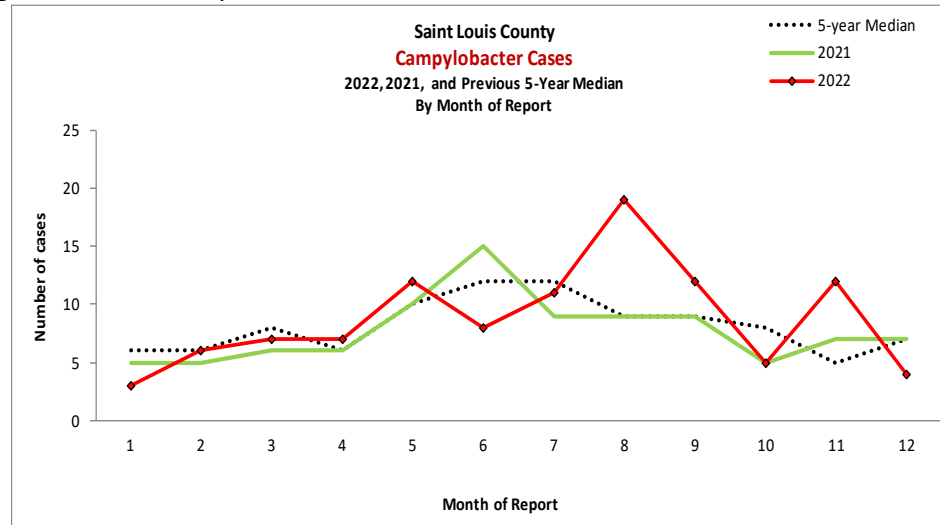
SALMONELLOSIS: In 2022, the number of cases of Salmonella ranged from 5 to 16 per month. During the previous 5 years, the median number of Salmonella cases ranged from 5 to 15 per month.



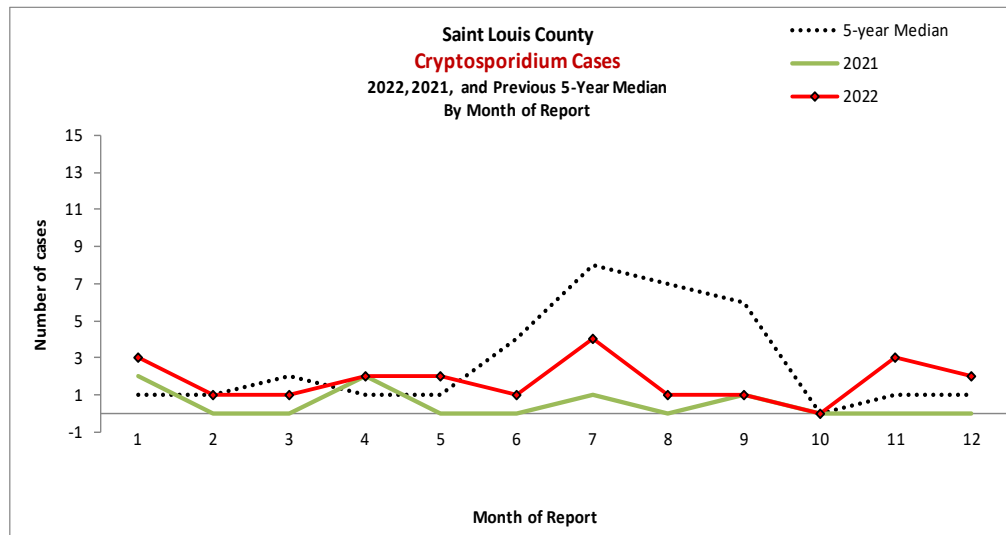
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CAMPYLOBACTERIOSIS: In 2022, the number of cases of Campylobacter ranged from 3 to 14 per month. During the previous 5 years, the median number of Campylobacter cases ranged from 4 to 18 per month.



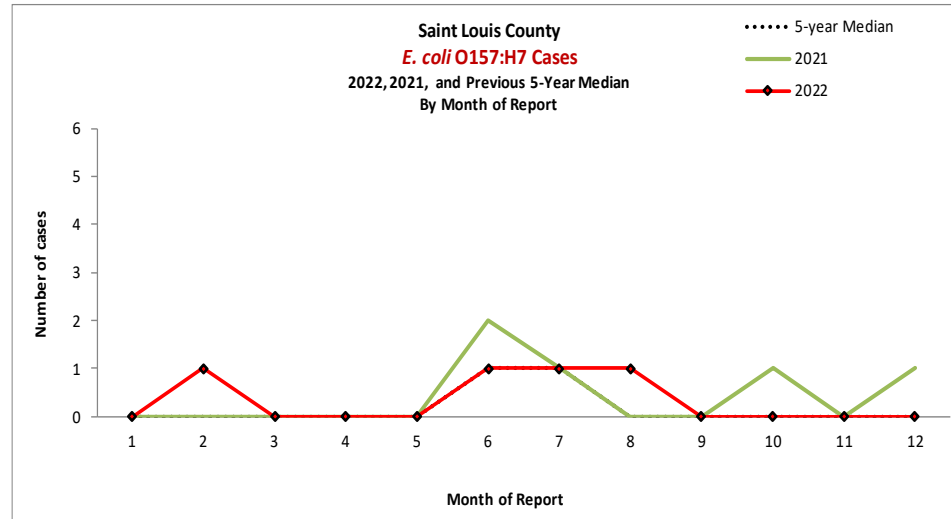
CRYPTOSPORIDIOSIS: In 2022, the number of cases of Cryptosporidium ranged from 0 to 4 per month. During the previous 5 years, the median number of Cryptosporidium cases ranged from 0 to 8 per month.



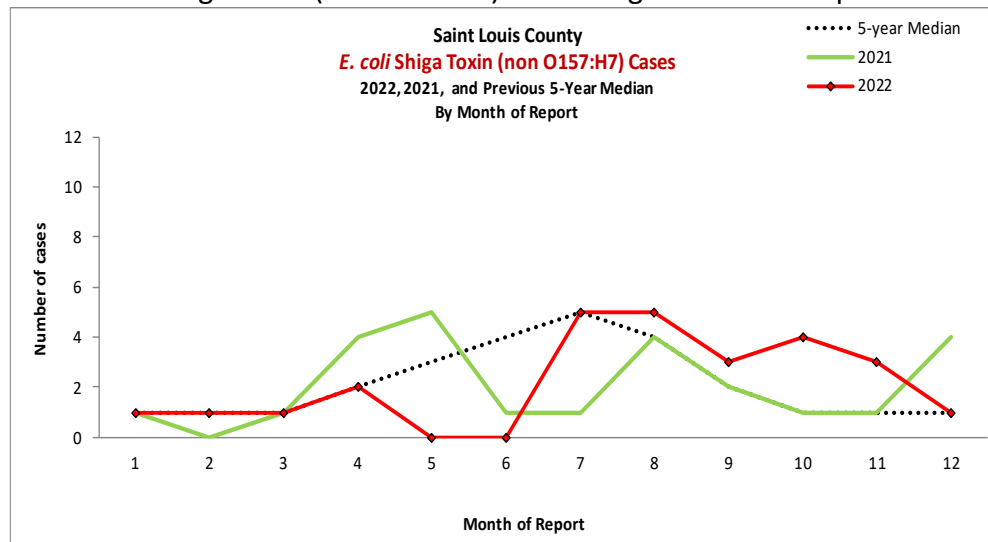
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E. COLI O157 H7: In 2022, the number of cases of *E. coli* O157:H7 ranged from 0 to 1 per month. During the previous 5 years, the median number of *E. coli* O157:H7 cases ranged from 0 to 1 per month.



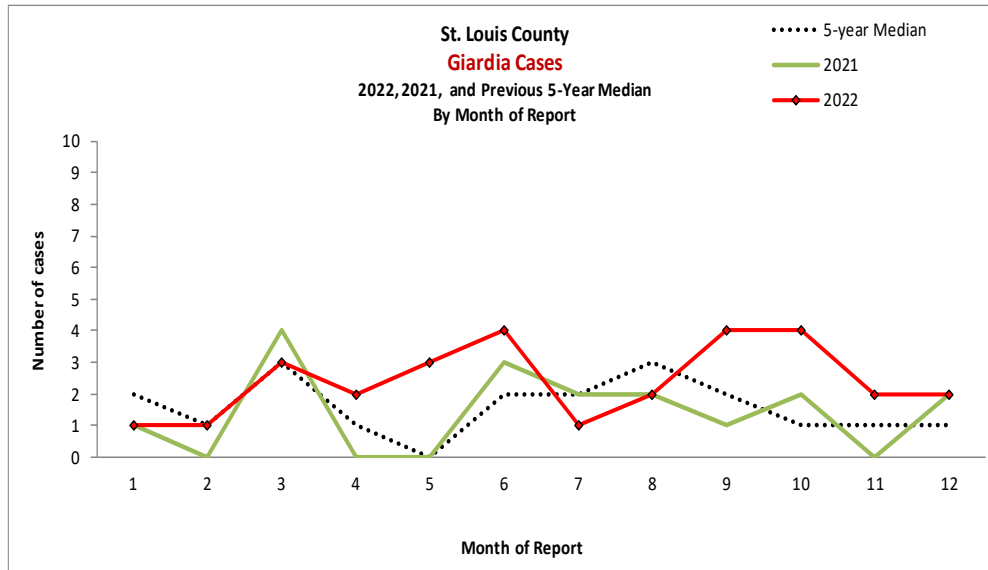
E. COLI SHIGA TOXIN (non O157:H7): In 2022, the number of cases of *E. coli* Shiga Toxin (non O157:H7) ranged from 0 to 5 per month. During the previous 5 years, the median number of *E. coli* Shiga Toxin (non O157:H7) cases ranged from 1 to 5 per month.



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GIARDIASIS: In 2022, the number of cases of Giardia ranged from 1 to 4 per month. During the previous 5 years, the median number of Giardia cases ranged from 0 to 3 per month.



Respiratory Disease:

PERTUSSIS: In 2022, the number of cases of Pertussis ranged from 0 to 3 per month. During the previous 5 years, the median number of Pertussis cases ranged from 0 to 9 per month.

