

St. Charles County Annual Communicable Disease Report
Department of Community Health and the Environment
2013

Reportable Conditions: St. Charles County Report Summary

The data presented below is a summary of the reportable diseases that meet the confirmed and probable Missouri Dept of Health and Senior Services case definition (*excluded from this report are Sexually Transmitted Diseases and Influenza. Those can be found in separate reports*). There were a total of 938 confirmed and probable reportable cases in St. Charles County in 2013. This is 13 cases less than the previous 5 year median.

Enteric Illnesses: The 2013 reported enteric cases were down 10.6% from the previous 5 year median. The most noteworthy decline was *Shigella*, cases. In 2007 we had widespread *Shigella* outbreak which inflated our previous 5 year median and number of cases has declined since then. In 2013 we had 3 reported *Shigella* cases. The number of *Giardia* cases has been decreasing since 2008 with 12 cases being reported the past 2 years. We did have a slight increase in number of cases of *E Coli* O157 H7 and *Salmonella* in 2013.

Respiratory: Overall Respiratory illnesses in 2013 are down 37.7% from the previous 5 year median. There were 43 cases of Pertussis in 2013 compared to 60 cases in 2012.

Vectorborne and Zoonotic: Vectorborne and zoonotic cases are up 25.0% compared to previous 5 year median. *Ehrlichia* and Rocky Mountain Spotty Fever made up 18 out of 20 of these cases. There was also 1 Malaria and 1 Neuroinvasive West Nile illness reported in 2013.

Tuberculosis and Latent TB Infections (LTBI): There were no cases of active Tuberculosis reported in St. Charles County in 2013. There were 100 LTBI cases in 2013.

	Year Totals						Previous 5 Year Median	% Change From 5 Year Yr Median	2013 Rate Per 100000
	2008	2009	2010	2011	2012	2013			
Enteric, Food and Waterborne									
CAMPYLOBACTERIOSIS	36	34	47	56	45	44	45	-2.3%	12.21
CRYPTOSPORIDIOSIS	10	12	34	5	12	9	12	-33.3%	2.50
E COLI SHIGA TOXIN POSITIVE	10	10	7	11	11	8	10	-25.0%	2.22
E. COLI O157 H7	10	2	7	7	16	10	7	30.0%	2.77
GIARDIASIS	31	41	17	18	12	12	18	-50.0%	3.33
HEPATITIS A ACUTE	4	2	0	3	0	0	2	0.0%	0.00
LISTERIOSIS	0	0	1	0	0	0	0	0.0%	0.00
SALMONELLOSIS	47	34	54	39	40	55	40	27.3%	15.26
SHIGA TOXIN POSITIVE (NON E. COLI, UNK)	2	0	0	0	1	0	0	0.0%	0.00
SHIGELLOSIS	22	21	10	4	4	3	10	-233.3%	0.83
YERSINIOSIS	0	0	0	0	1	0	0	0.0%	0.00
Enteric total	172	156	177	143	142	141	156	-10.6%	39.11
Respiratory and Direct Contact									
ADULT RESPIRATORY DISTRESS SYNDROME (ARDS)	0	0	0	1	0	0	0	0.0%	0.00
HAEMOPHILUS INFLUENZAE, INVASIVE	6	3	2	5	6	4	5	-25.0%	1.11

Data Source: Missouri Depart. Of Health and Senior Services (MOHSIS)

LEGIONELLOSIS	3	4	2	0	5	4		3	25.0%	1.11
PERTUSSIS	85	85	23	26	60	43		60	-39.5%	11.93
STREP DISEASE, GROUP A INVASIVE	11	6	15	12	6	7		11	-57.1%	1.94
STREP PNEUMONIAE, <5 YEARS, INVASIVE	1	4	3	1	1	0		1	0.0%	0.00
STREP PNEUMONIAE, DRUG-RESISTANT	3	9	2	4	6	3		4	-33.3%	0.83
Respiratory Total	109	111	47	48	84	61		84	-37.7%	16.92
Vectorborne and Zoonotics										
ANAPLASMA PHAGOCYTOPHILUM	0	0	1	0	1	0		0	0.0%	0.00
DENGUE FEVER	0	0	2	0	1	0		0	0.0%	0.00
EHRlichia CHAFFEENSIS	6	8	6	5	4	11		6	45.5%	3.05
EHRlichia EWINGII	0	0	0	0	0	1		0	100.0%	0.28
EHRlichiosis ANAPLASMOSIS UNDETERMINED	3	0	0	0	0	0		0	0.0%	0.00
LYME	0	3	0	1	0	0		0	0.0%	0.00
MALARIA	0	0	0	1	0	1		0	100.0%	0.28
NEUROINVASIVE WEST NILE	1	0	1	0	0	1		0	100.0%	0.28
NON NEUROINVASIVE WEST NILE	1	0	0	0	1	0		0	0.0%	0.00
Q FEVER ACUTE	1	0	0	0	0	0		0	0.0%	0.00
Q FEVER CHRONIC	0	0	0	0	0	0		0	0.0%	0.00
ROCKY MOUNTAIN SPOTTED FEVER	3	5	4	5	7	6		5	16.7%	1.66
TULAREMIA	0	0	0	1	2	0		0	0.0%	0.00
Vectorborne and Zoonotics Total	15	16	14	13	16	20		15	25.0%	5.55
Other Conditions										
ANIMAL BITES	401	453	413	304	356	384		401	-4.4%	106.52
COCCIDIOIDOMYCOSIS	0	2	1	0	0	1		0	100.0%	0.28
CREUTZFELDT-JAKOB DISEASE (CJD)	0	1	0	0	0	1		0	100.0%	0.28
HEMOLYTIC UREMIC SYNDROME	3	0	0	0	0	2		0	100.0%	0.55
HEPATITIS B (PREGNANCY) PRENATAL	7	4	6	5	6	7		6	14.3%	1.94
HEPATITIS B ACUTE	2	1	3	2	3	3		2	33.3%	0.83
HEPATITIS B CHRONIC INFECTION	16	11	7	14	16	10		14	-40.0%	2.77
HEPATITIS C ACUTE	0	0	0	0	0	1		0	100.0%	0.28
HEPATITIS C CHRONIC INFECTION	165	139	123	138	103	155		138	11.0%	43.00
LTBI	95	103	71	64	101	100		95	5.0%	27.74
MENINGOCOCCAL DISEASE	0	0	2	1	2	0		1	0.0%	0.00
MOTT	33	28	30	26	42	25		30	-20.0%	6.94
MUMPS	0	0	0	0	0	0		0	0.0%	0.00
RABIES ANIMAL	1	1	1	0	0	1		1	0.0%	0.28
RABIES POST EXPOSURE PROPHYLAXIS	16	11	29	17	16	10		16	-60.0%	2.77
STAPH AUREUS VISA	N/A	N/A	N/A	N/A	N/A	13		N/A	0.0%	3.61
TB DISEASE	1	1	4	5	4	0		4	0.0%	0.00
TOXIC SHOCK (STAPH) SYNDROME	0	1	0	0	0	0		0	0.0%	0.00
VARICELLA (CHICKENPOX)	52	27	23	6	3	2		23	-1050.0%	0.55
VIBRIOSIS	0	0	0	0	1	1		0	100.0%	0.28

Confirmed and Probable Reportable Cases By Month in St. Charles County: 2013

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Enteric, Food and Waterborne												
CAMPYLOBACTERIOSIS	1	1	2	1	1	9	5	4	3	2	6	6
CRYPTOSPORIDIOSIS	1	1	0	0	1	1	1	1	1	0	0	0
E COLI SHIGA TOXIN POSITIVE	2	1	0	0	0	0	0	1	2	0	0	0
E. COLI O157 H7	0	0	0	0	0	7	0	1	0	0	1	1
GIARDIASIS	1	0	1	0	1	0	2	2	3	1	1	1
HEPATITIS A ACUTE	0	0	0	0	0	0	0	0	0	0	0	0
LISTERIOSIS	0	0	0	0	0	0	0	0	0	0	0	0
SALMONELLOSIS	1	5	0	3	3	9	4	7	12	2	5	5
SHIGA TOXIN POSITIVE (NON E. COLI, UNK)	0	0	0	0	0	0	0	0	0	0	0	0
SHIGELLOSIS	0	0	1	1	0	0	0	0	0	1	0	0
YERSINIOSIS	0	0	0	0	0	0	0	0	0	0	0	0
Respiratory and Direct Contact												
ADULT RESPIRATORY DISTRESS SYNDROME (ARDS)	0	0	0	0	0	0	0	0	0	0	0	0
HAEMOPHILUS INFLUENZAE, INVASIVE	0	0	0	0	1	0	0	0	0	0	0	0
LEGIONELLOSIS	0	0	0	0	0	0	1	0	1	1	1	1
PERTUSSIS	4	1	2	4	5	0	2	2	8	3	5	5
STREP DISEASE, GROUP A INVASIVE	3	0	0	1	1	0	0	0	0	0	2	2
STREP PNEUMONIAE, <5 YEARS, INVASIVE	0	0	0	0	0	0	0	0	0	0	0	0
STREP PNEUMONIAE, DRUG-RESISTANT	0	0	0	1	0	0	0	0	0	0	2	2
Vectorborne and Zoonotics												
ANAPLASMA PHAGOCYTOPHILUM	0	0	0	0	0	1	0	0	0	0	0	0
DENGUE FEVER	0	0	0	0	0	1	6	0	0	0	0	0
EHRlichia CHAFFEENSIS	0	0	0	0	0	1	6	2	0	0	0	0
EHRlichia EWINGII	0	0	0	0	0	0	0	0	0	0	0	0
EHRlichiosis ANAPLASMOSIS UNDETERMINED	0	0	0	0	0	0	0	0	0	0	0	0
LYME	0	0	0	0	0	0	0	0	0	0	0	0
MALARIA	0	0	0	0	0	0	0	0	0	0	0	0
NEUROINVASIVE WEST NILE	0	0	0	0	0	0	0	0	1	0	0	0
NON NEUROINVASIVE WEST NILE	0	0	0	0	0	0	0	0	0	0	0	0

Q FEVER ACUTE	0	0	0	0	0	0	0	0	0	0	0	0
Q FEVER CHRONIC	0	0	0	0	0	0	0	0	0	0	0	0
ROCKY MOUNTAIN SPOTTED FEVER	0	0	0	0	1	0	2	1	0	1	0	0
TULAREMIA	0	0	0	0	0	0	0	0	0	0	0	0
Other Conditions												
ANIMAL BITES	25	25	30	29	39	44	51	28	21	25	27	27
COCCIDIOIDOMYCOSIS	0	0	0	1	0	0	0	0	0	0	0	0
CREUTZFELDT-JAKOB DISEASE (CJD)	0	0	0	0	0	0	0	0	0	0	0	0
HEMOLYTIC UREMIC SYNDROME	0	0	0	0	0	1	1	0	0	0	0	0
HEPATITIS B (PREGNANCY) PRENATAL	1	0	1	0	0	0	2	0	2	1	0	0
HEPATITIS B ACUTE	0	0	1	0	0	0	0	0	0	1	0	0
HEPATITIS B CHRONIC INFECTION	0	0	3	0	1	0	0	2	2	0	2	2
HEPATITIS C ACUTE	0	0	0	0	0	0	0	0	0	0	1	1
HEPATITIS C CHRONIC INFECTION	18	12	13	11	13	9	10	14	16	8	9	9
LTBI	6	4	8	6	6	7	9	7	6	6	10	10
MENINGOCOCCAL DISEASE	0	0	0	0	0	0	0	0	0	0	0	0
MOTT	2	3	2	1	7	1	0	2	3	1	1	1
MUMPS	0	0	0	0	0	0	0	0	0	0	0	0
RABIES ANIMAL	0	0	0	0	0	1	0	0	0	0	0	0
RABIES POST EXPOSURE PROPHYLAXIS	1	0	0	1	2	5	1	0	0	0	0	0
STAPH AUREUS VISA	1	0	1	1	2	1	0	2	2	0	2	2
TB DISEASE	0	0	0	0	0	1	0	0	0	0	0	0
TOXIC SHOCK (STAPH) SYNDROME	0	0	0	0	0	0	0	0	0	0	0	0
VARICELLA (CHICKENPOX)	1	0	0	0	0	0	0	1	0	0	0	0
VIBRIOSIS	0	0	0	0	0	0	1	0	0	0	0	0