

St. Charles County Annual Communicable Disease Report
Department of Community Health and the Environment
2014

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 891 confirmed and probable reportable cases in St. Charles County in 2014. This is 37 cases less than the previous 5 year median.

Enteric Illnesses: The 2014 reported enteric cases were the same as the previous 5 year median. The most noteworthy decline was *Cryptosporidiosis* cases. There were 6 cases of *Cryptosporidiosis* in 2014, half of the previous 5 year median. The number of *Giardiasis* cases has been decreasing since 2008 with 12 cases being reported the past 3 years. We did have an increase in number of cases of *Shigellosis* cases in 2014, this increase is due to an outbreak at a daycare in the fall of 2014.

Respiratory: Overall Respiratory illnesses in 2014 are down 27.1% from the previous 5 year median. There were 24 cases of Pertussis in 2014, the lowest we have seen in 3 years.

Vectorborne and Zoonotic: Vectorborne and zoonotic cases were down 60.0% compared to previous 5 year median.

Tuberculosis and Latent TB Infections (LTBI): There were 5 cases of active Tuberculosis reported in St. Charles County in 2014. There were 78 LTBI cases in 2014.

	Year Totals						Previous 5 Year Median	% Change From 5 Yr Median	2014 Rate Per 100000
	2009	2010	2011	2012	2013	2014			
Enteric, Food and Waterborne									
CAMPYLOBACTERIOSIS	34	47	56	45	44	38	45	-18.4%	10.54
CRYPTOSPORIDIOSIS	12	34	5	12	9	6	12	-100.0%	1.66
E COLI SHIGA TOXIN POSITIVE	10	7	11	11	8	8	10	-25.0%	2.22
E. COLI O157 H7	2	7	7	16	10	0	7	0.0%	0.00
GIARDIASIS	41	17	18	12	12	12	17	-41.7%	3.33
HEPATITIS A ACUTE	2	0	3	0	0	1	0	100.0%	0.28
LISTERIOSIS	0	1	0	0	0	1	0	100.0%	0.28
SALMONELLOSIS	34	54	39	40	55	42	40	4.8%	11.65
SHIGA TOXIN POSITIVE (NON E. COLI, UNK)	0	0	0	1	0	1	0	100.0%	0.28
SHIGELLOSIS	21	10	4	4	3	34	4	88.2%	9.43
YERSINIOSIS	0	0	0	1	0	0	0	0.0%	0.00
Enteric total	156	177	143	142	141	143	143	0.0%	39.67
Respiratory and Direct Contact									
ADULT RESPIRATORY DISTRESS SYNDROME (ARDS)	0	0	1	0	0	0	0	0.0%	0.00
HAEMOPHILUS INFLUENZAE, INVASIVE	3	2	5	6	4	4	4	0.0%	1.11
LEGIONELLOSIS	4	2	0	5	4	5	4	20.0%	1.39

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

PERTUSSIS	85	23	26	60	43	24	43	-79.2%	6.66
STREP DISEASE, GROUP A INVASIVE	6	15	12	6	7	8	7	12.5%	2.22
STREP PNEUMONIAE, <5 YEARS, INVASIVE	4	3	1	1	0	0	1	0.0%	0.00
STREP PNEUMONIAE, DRUG-RESISTANT	9	2	4	6	3	7	4	42.9%	1.94
Respiratory Total	111	47	48	84	61	48	61	-27.1%	13.32
Vectorborne and Zoonotics									
ANAPLASMA PHAGOCYTOPHILUM	0	1	0	1	0	1	0	100.0%	0.28
DENGUE FEVER	0	2	0	1	0	0	0	0.0%	0.00
EHRlichia CHAFFEENSIS	8	6	5	4	11	6	6	0.0%	1.66
EHRlichia EWINGII	0	0	0	0	1	0	0	0.0%	0.00
EHRlichiosis ANAPLASMOSIS UNDETERMINED	0	0	0	0	0	0	0	0.0%	0.00
LYME	3	0	1	0	0	1	0	100.0%	0.28
MALARIA	0	0	1	0	1	0	0	0.0%	0.00
NEUROINVASIVE WEST NILE	0	1	0	0	1	1	0	100.0%	0.28
NON NEUROINVASIVE WEST NILE	0	0	0	1	0	0	0	0.0%	0.00
Q FEVER ACUTE	0	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	5	4	5	7	6	1	5	-400.0%	0.28
TULAREMIA	0	0	1	2	0	0	0	0.0%	0.00
Vectorborne and Zoonotics Total	16	14	13	16	20	10	16	-60.0%	2.77
Other Conditions									
ANIMAL BITES	453	413	304	356	385	388	385	0.8%	107.63
COCCIDIOIDOMYCOSIS	2	1	0	0	0	1	0	100.0%	0.28
CREUTZFELDT-JAKOB DISEASE (CJD)	1	0	0	0	1	0	0	0.0%	0.00
HEMOLYTIC UREMIC SYNDROME	0	0	0	0	2	0	0	0.0%	0.00
HEPATITIS B (PREGNANCY) PRENATAL	4	6	5	6	7	2	6	-200.0%	0.55
HEPATITIS B ACUTE	1	3	2	3	2	3	2	33.3%	0.83
HEPATITIS B CHRONIC INFECTION	11	7	14	16	10	20	11	45.0%	5.55
HEPATITIS C ACUTE	0	0	0	0	1	0	0	0.0%	0.00
HEPATITIS C CHRONIC INFECTION	139	123	138	103	154	140	138	1.4%	38.84
LTBI	102	71	64	100	103	78	100	-28.2%	21.64
MENINGOCOCCAL DISEASE	0	2	1	2	0	2	1	50.0%	0.55
MOTT	28	30	26	42	25	30	28	6.7%	8.32
MUMPS	0	0	0	0	0	0	0	0.0%	0.00
RABIES ANIMAL	1	1	0	0	1	0	1	0.0%	0.00
RABIES POST EXPOSURE PROPHYLAXIS	11	29	17	16	11	10	16	-60.0%	2.77
STAPH AUREUS VISA	N/A	N/A	N/A	N/A	13	11	N/A	0.0%	3.05
TB DISEASE	1	4	4	4	0	5	4	20.0%	1.39
TOXIC SHOCK (STAPH) SYNDROME	1	0	0	0	0	0	0	0.0%	0.00
VIBRIOSIS	0	0	0	1	1	0	0	0.0%	0.00

Reportable Cases (Confirmed and Probable) By Month in St. Charles County: 2014												
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Enteric, Food and Waterborne												
CAMPYLOBACTERIOSIS	3	0	0	3	3	2	6	2	5	5	5	4
CRYPTOSPORIDIOSIS	2	0	0	0	0	0	1	1	0	0	0	1
E COLI SHIGA TOXIN POSITIVE	0	1	0	1	0	1	2	3	0	0	0	0
E. COLI O157 H7	0	0	0	0	0	0	0	0	0	0	0	0
GIARDIASIS	1	1	2	1	0	0	0	1	2	3	1	0
HEPATITIS A ACUTE	1	0	0	0	0	0	0	0	0	0	0	0
LISTERIOSIS	0	0	0	0	0	0	0	0	0	0	1	0
SALMONELLOSIS	1	2	1	6	4	2	8	5	9	1	1	2
SHIGA TOXIN POSITIVE (NON E. COLI, UNK)	0	0	0	0	0	0	0	0	0	0	0	0
SHIGELLOSIS	0	0	0	2	1	0	0	0	5	20	2	4
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	2	0	0	0	0	0	0	0	1	0	1	0
LEGIONELLOSIS	0	0	0	1	0	0	2	0	0	0	1	1
PERTUSSIS	0	0	1	2	0	1	0	2	0	3	12	3
STREP DISEASE, GROUP A INVASIVE	2	2	0	2	0	0	1	0	0	0	0	1
STREP PNEUMONIAE, <5 YEARS, INVASIVE	0	0	0	0	0	0	0	0	0	0	0	0
STREP PNEUMONIAE, DRUG-RESISTANT	1	1	1	1	2	0	0	0	0	0	1	0
Vectorborne and Zoonotics												
ANAPLASMA PHAGOCYTOPHILUM	0	0	0	0	0	0	0	1	0	0	0	0
DENGUE FEVER	0	0	0	0	0	0	0	0	0	0	0	0
EHRlichia CHAFFEENSIS	0	0	0	0	0	2	2	0	1	1	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	1	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	0	1	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	0	0	0	1	0	0	0	0
TULAREMIA	0	0	0	0	0	0	0	0	0	0	0	0
Other Conditions												
ANIMAL BITES	35	25	34	32	33	32	50	36	38	24	21	21
COCCIDIOIDOMYCOSIS	0	1	0	0	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	0	0	0	0	0	0	0
HEPATITIS B (PREGNANCY) PRENATAL	0	0	0	0	0	0	0	0	1	0	0	1
HEPATITIS B ACUTE	0	1	0	0	0	1	1	0	0	0	0	1
HEPATITIS B CHRONIC INFECTION	0	1	0	1	2	1	2	2	1	5	0	0
HEPATITIS C ACUTE	0	0	0	0	0	0	0	0	0	0	0	0
HEPATITIS C CHRONIC INFECTION	10	10	9	14	12	8	9	5	16	16	14	15
LTBI	5	3	8	11	8	8	7	3	6	1	6	6
MENINGOCOCCAL DISEASE	0	0	0	1	0	0	0	0	0	1	0	0
MOTT	1	2	2	1	2	5	2	2	0	6	2	4
MUMPS	0	0	0	0	0	0	0	0	0	0	0	0
RABIES ANIMAL	0	0	0	0	0	0	0	0	0	0	0	0
RABIES POST EXPOSURE PROPHYLAXIS	0	0	1	0	1	2	2	0	0	2	1	0
STAPH AUREUS VISA	1	2	0	1	2	0	1	1	1	0	0	1
TB DISEASE	1	0	1	0	1	1	0	0	0	1	0	0
TOXIC SHOCK (STAPH) SYNDROME	0	0	0	0	0	0	0	0	0	0	0	0
VIBRIOSIS	0	0	0	0	0	0	0	0	0	0	0	0

