

St. Charles County Annual Communicable Disease Report
Department of Community Health and the Environment
2012

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 887 reportable cases in St. Charles County in 2012. This is a 20.0% reduction from the previous 5 year median.

Enteric Illnesses: The 2012 reported enteric cases were down 20.3% from the previous 5 year median. The most noteworthy decline was Shigellosis, and Giardia cases. In 2007 we had widespread Shigellosis outbreak which inflated our previous 5 year median and number of cases has declined since then. In 2012 we had 4 reported Shigellosis cases. The number of Giardiasis cases has gone down to 12-17 cases per year since 2010. We did have an increase in number of cases of E Coli O157 H7 in 2012; 16 cases compared to 7 cases for the previous 5 year median , some of this increase was related to a local outbreak in August.

Respiratory: Overall Respiratory illnesses in 2012 are up 42.9% from the previous 5 year median. Pertussis cases in 2012 are 2.45 times higher than what we saw in 2011 and 2010. There were 9 cases just this past month. There some secondary transmission to close contacts, but most cases are isolated cases. We will continue to monitor this increase closely in 2013.

Vectorborne and Zoonotic: There were 15 cases of Vectorborne and Zoonotic cases in 2012; this is similar to what we have seen in previous years.

Tuberculosis and Latent TB Infections (LTBI): There were 4 cases of TB reported in St. Charles County in 2012.

	Year Totals: Jan-Dec						Previous 5 Yr Median	% Change From YTD 5 Yr Median	2012 Rate Per 100000	Last 4 Months				Mean from Last 4 Months
	2007	2008	2009	2010	2011	2012				9	10	11	12	
Enteric, Food and Waterborne														
CAMPYLOBACTERIOSIS	48	36	34	47	56	45	47	-4.4%	12.48	1	1	0	3	1
CRYPTOSPORIDIOSIS	21	10	12	34	5	12	12	0.0%	3.33	3	0	0	0	1
E COLI SHIGA TOXIN POSITIVE	7	10	10	7	11	12	10	16.7%	3.33	3	1	0	0	1
E. COLI O157 H7	9	10	2	7	7	16	7	56.3%	4.44	6	1	0	1	2
GIARDIASIS	36	31	41	17	18	12	31	-158.3%	3.33	2	3	0	0	1
HEPATITIS A ACUTE	1	4	2	0	3	0	2	0.0%	0.00	0	0	0	0	0
LISTERIOSIS	0	0	0	1	0	0	0	0.0%	0.00	0	0	0	0	0
SALMONELLOSIS	46	47	34	54	39	40	46	-15.0%	11.10	4	1	1	1	2
SHIGA TOXIN POSITIVE (NON E. COLI, UNK)	1	2	0	0	0	1	0	100.0%	0.28	0	0	0	0	0
SHIGELLOSIS	100	22	21	10	4	4	21	-425.0%	1.11	1	0	0	0	0
YERSINIOSIS	0	0	0	0	0	1	0	100.0%	0.28	0	1	0	0	0
Enteric total	269	172	156	177	143	143	172	-20.3%	39.67	20	8	1	5	9
Respiratory and Direct Contact														
ADULT RESPIRATORY DISTRESS SYNDROME (ARDS)	0	0	0	0	1	0	0	0.0%	0.00	0	0	0	0	0

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

HAEMOPHILUS INFLUENZAE, INVASIVE	0	6	3	2	5	6	3	50.0%	1.66	1	0	0	1	1
LEGIONELLOSIS	3	3	4	2	0	5	3	40.0%	1.39	0	1	0	0	0
PERTUSSIS	9	85	85	23	26	60	26	56.7%	16.64	3	3	3	9	5
STREP DISEASE, GROUP A INVASIVE	5	11	6	15	12	6	11	-83.3%	1.66	0	0	0	1	0
STREP PNEUMONIAE, <5 YEARS, INVASIVE	3	1	4	3	1	1	3	-200.0%	0.28	0	0	1	0	0
STREP PNEUMONIAE, DRUG-RESISTANT	1	3	9	2	4	6	3	50.0%	1.66	0	0	2	0	1
Respiratory Total	21	109	111	47	48	84	48	42.9%	23.30	4	4	6	11	6
Vectorborne and Zoonotics														
ANAPLASMA PHAGOCYTOPHILUM	1	0	0	1	0	1	0	100.0%	0.28	0	0	0	0	0
DENGUE FEVER	1	0	0	2	0	1	0	100.0%	0.28	0	0	0	0	0
EHRlichia CHAFFEENSIS	2	6	8	6	5	4	6	-50.0%	1.11	0	0	0	0	0
EHRlichiosis ANAPLASMOSIS UNDETERMINED	0	3	0	0	0	0	0	0.0%	0.00	0	0	0	0	0
LYME	0	0	3	0	1	0	0	0.0%	0.00	0	0	0	0	0
MALARIA	0	0	0	0	1	0	0	0.0%	0.00	0	0	0	0	0
NEUROINVASIVE WEST NILE	1	1	0	1	0	0	1	0.0%	0.00	0	0	0	0	0
NON NEUROINVASIVE WEST NILE	0	1	0	0	0	1	0	100.0%	0.28	0	0	0	0	0
Q FEVER ACUTE	2	1	0	0	0	0	0	0.0%	0.00	0	0	0	0	0
Q FEVER CHRONIC	0	0	0	0	0	0	0	0.0%	0.00	0	0	0	0	0
ROCKY MOUNTAIN SPOTTED FEVER	1	3	5	4	5	7	4	42.9%	1.94	0	0	0	0	0
TULAREMIA	0	0	0	0	1	1	0	100.0%	0.28	0	0	0	0	0
Vectorborne and Zoonotics Total	8	15	16	14	13	15	14	6.7%	4.16	0	0	0	0	0
Other Conditions														
ANIMAL BITES	324	401	453	413	304	355	401	-13.0%	98.48	26	29	18	22	24
COCCIDIOIDOMYCOSIS	1	0	2	1	0	0	1	0.0%	0.00	0	0	0	0	0
CREUTZFELDT-JAKOB DISEASE (CJD)	0	0	1	0	0	0	0	0.0%	0.00	0	0	0	0	0
HEMOLYTIC UREMIC SYNDROME	1	3	0	0	0	0	0	0.0%	0.00	0	0	0	0	0
HEPATITIS B (PREGNANCY) PRENATAL	5	7	4	6	5	5	5	0.0%	1.39	0	1	0	2	1
HEPATITIS B ACUTE	3	2	1	3	2	3	2	33.3%	0.83	0	1	0	0	0
HEPATITIS B CHRONIC INFECTION	18	16	11	7	14	14	14	0.0%	3.88	2	1	1	3	2
HEPATITIS C ACUTE	0	0	0	0	0	0	0	0.0%	0.00	0	0	0	0	0
HEPATITIS C CHRONIC INFECTION	141	165	137	121	138	103	138	-36.6%	28.02	11	10	7	9	9
LTBI	155	95	103	71	64	97	95	2.1%	26.91	7	12	5	5	7
MENINGOCOCCAL DISEASE	0	0	0	2	1	2	0	100.0%	0.55	0	0	0	0	0
MOTT	22	34	28	30	26	42	28	33.3%	11.65	4	0	9	2	4
MUMPS	1	0	0	0	0	0	0	0.0%	0.00	0	0	0	0	0
RABIES ANIMAL	0	1	1	1	0	0	1	0.0%	0.00	0	0	0	0	0
RABIES POST EXPOSURE PROPHYLAXIS	12	16	11	29	17	16	16	0.0%	4.44	0	1	0	1	1
TB DISEASE	2	1	1	4	5	4	2	50.0%	1.11	1	1	0	0	1
TOXIC SHOCK (STAPH) SYNDROME	0	0	1	0	0	0	0	0.0%	0.00	0	0	0	0	0
VARICELLA (CHICKENPOX)	92	52	27	23	6	3	27	-800.0%	0.83	0	0	0	0	0
VIBRIOSIS	0	0	0	0	0	1	0	100.0%	0.28	0	0	0	0	0