

## St. Charles County Annual Communicable Disease Report Department of Public Health 2017

### 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 Department of Health and Senior Services case definitions (excluded from this report are Sexually Transmitted Diseases and Influenza. Those can be found in separate reports). There were a total of 983 confirmed and probable reportable cases in St. Charles County in 2017. This is a 5% increase from the previous year or 39 more cases than 2016.

**Enteric:** Overall, there were more enteric cases reported in 2017 than the previous year, but the total is still lower than the previous 5 year median total. Both Campylobacteriosis and Salmonellosis saw an increase in the number of cases while Cryptosporidiosis and Giardiasis saw a decrease in overall case counts. Hepatitis A acute, Shiga toxin positive and Yersiniosis are all illnesses that saw a 100% increase above the previous 5 year median.

**Respiratory:** There was an overall increase in the number of respiratory illnesses reported in 2017 when compared to 2016. The number of Strep Pneumoniae invasive cases more than doubled from 15 in 2016 to 32 cases in 2017. Part of the increase is due to a change in definition that occurred in 2016. The total number of *Legionellosis* cases decreased by 10, but the 2017 total is still above the previous 5 year median mark. The number of pertussis cases jumped from 5 cases in 2016 to 16 cases in 2017, though the total is still well below the previous 5 year median of 24 cases.

**Vectorborne and Zoonotic:** The number of vectorborne and zoonotic cases has increased from 2016. 7 more cases were reported in 2017 than the previous 5 year median. One case of *Dengue*, one case of *Malaria* and one case of *Q fever acute* was reported in 2017, all had a 100% increase above the previous 5 year median.

**Tuberculosis and Latent TB Infections (LTBI):** There were 56 LTBI cases and 1 case of active Tuberculosis reported in St Charles County in 2017.

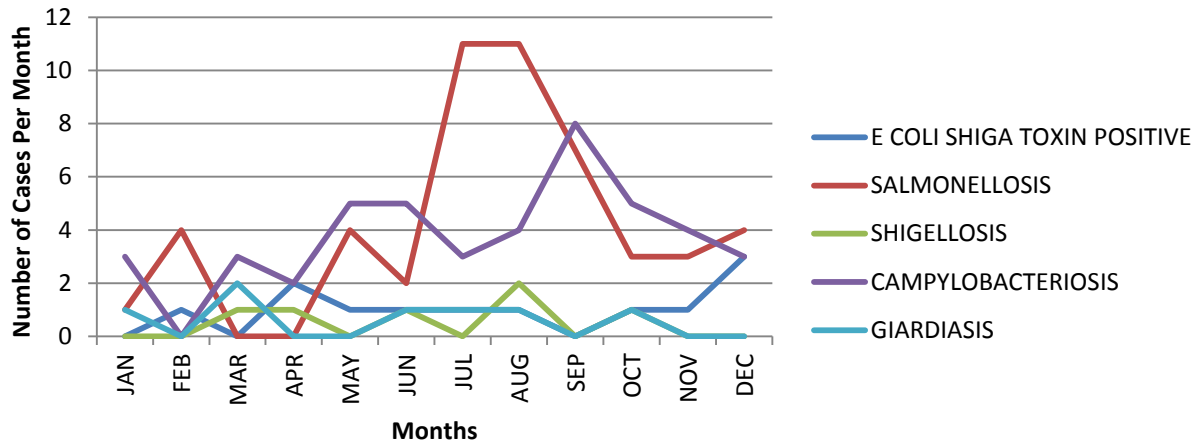
	Year to Date Totals						Previous YTD 5 Yr Median	% Change From YTD 5 Yr Median	YTD 2017 Rate Per 100000
	2012	2013	2014	2015	2016	2017			
<b>Enteric, Food and Waterborne</b>									
CAMPYLOBACTERIOSIS	45	44	37	45	37	45	44	2.2%	11.86
CRYPTOSPORIDIOSIS	12	9	6	4	15	8	9	-12.5%	2.11
E COLI SHIGA TOXIN POSITIVE	11	8	7	13	3	10	8	20.0%	2.64
E. COLI O157 H7	16	10	0	4	4	3	4	-33.3%	0.79
GIARDIASIS	12	12	12	9	12	7	12	-71.4%	1.84
HEPATITIS A ACUTE	0	0	1	0	1	1	0	100.0%	0.26
LISTERIOSIS	0	0	1	0	0	0	0	0.0%	0.00
SALMONELLOSIS	40	55	42	39	46	50	42	16.0%	13.18
SHIGA TOXIN POSITIVE (NON E. COLI, UNK)	1	0	0	0	1	3	0	100.0%	0.79
SHIGELLOSIS	4	3	34	31	9	6	9	-50.0%	1.58
YERSINIOSIS	1	0	0	1	0	1	0	100.0%	0.26
<b>Enteric total</b>	<b>142</b>	<b>141</b>	<b>140</b>	<b>146</b>	<b>128</b>	<b>134</b>	<b>141</b>	<b>-5.2%</b>	<b>35.31</b>

Respiratory and Direct Contact									
ADULT RESPIRATORY DISTRESS SYNDROME (ARDS)	0	0	0	0	0	0	0	0.0%	0.00
HAEMOPHILUS INFLUENZAE, INVASIVE	6	4	4	2	10	8	4	50.0%	2.11
LEGIONELLOSIS	5	4	5	4	17	7	5	35.7%	1.84
PERTUSSIS	60	43	24	14	5	16	24	-50.0%	4.22
STREP DISEASE, GROUP A INVASIVE	6	7	8	13	4	4	8	-87.5%	1.05
STREP PNEUMONIAE, <5 YEARS, INVASIVE	1	0	0	2	0	0	0	0.0%	0.00
STREP PNEUMONIAE, INVASIVE	0	0	0	0	15	32	0	100.0%	8.43
<b>Respiratory Total</b>	<b>78</b>	<b>58</b>	<b>41</b>	<b>35</b>	<b>51</b>	<b>67</b>	<b>51</b>	<b>23.9%</b>	<b>18.59</b>
Vectorborne and Zoonotics									
ANAPLASMA PHAGOCYTOPHILUM	1	0	1	0	2	0	1	0.0%	0.00
CHIKUNGUNYA	0	0	0	0	0	0	0	0.0%	0.00
DENGUE FEVER	1	0	0	0	1	1	0	100.0%	0.26
EHRlichia CHAFFEENSIS	4	11	6	10	5	5	6	-20.0%	1.32
EHRlichia EWINGII	0	1	0	0	0	2	0	100.0%	0.53
EHRlichiosis ANAPLASMOSIS UNDETERMINED	0	0	0	0	0	0	0	0.0%	0.00
LYME	0	0	1	1	1	0	1	0.0%	0.00
MALARIA	0	1	0	1	0	1	0	100.0%	0.26
NEUROINVASIVE WEST NILE	0	1	1	1	0	1	1	0.0%	0.26
NON NEUROINVASIVE WEST NILE	1	0	0	0	0	0	0	0.0%	0.00
Q FEVER ACUTE	0	0	0	0	0	1	0	100.0%	0.26
Q FEVER CHRONIC	0	0	0	0	0	0	0	0.0%	0.00
ROCKY MOUNTAIN SPOTTED FEVER	7	6	1	7	3	12	6	50.0%	3.16
TULAREMIA	2	0	0	1	1	0	1	0.0%	0.00
<b>Vectorborne and Zoonotics Total</b>	<b>16</b>	<b>20</b>	<b>10</b>	<b>21</b>	<b>13</b>	<b>23</b>	<b>16</b>	<b>30.4%</b>	<b>6.38</b>
Other Conditions									
ANIMAL BITES	356	385	388	420	460	461	388	15.8%	121.48
COCCIDIOIDOMYCOSIS	0	0	1	0	0	0	0	0.0%	0.00
CREUTZFELDT-JAKOB DISEASE (CJD)	0	1	0	1	3	0	1	0.0%	0.00
HEMOLYTIC UREMIC SYNDROME	0	2	0	0	1	0	0	0.0%	0.00
HEPATITIS B (PREGNANCY) PRENATAL	6	7	4	10	1	7	6	14.3%	1.84
HEPATITIS B ACUTE	3	2	3	4	2	2	3	-50.0%	0.53
HEPATITIS B CHRONIC INFECTION	16	10	19	19	14	22	16	27.3%	5.80
HEPATITIS C ACUTE	0	1	0	0	2	0	0	0.0%	0.00
HEPATITIS C CHRONIC INFECTION	102	153	138	197	146	155	146	5.8%	40.84
LTBI	100	103	79	66	68	56	79	-41.1%	14.76
MENINGOCOCCAL DISEASE	2	0	2	0	1	1	1	0.0%	0.26
MOTT	42	25	30	35	27	31	30	3.2%	8.17
MUMPS	0	0	0	0	3	12	0	100.0%	3.16
PARAGONIMIASIS	0	0	0	1	0	0	0	0.0%	0.00
RABIES ANIMAL	0	1	0	1	1	1	1	0.0%	0.26
RABIES POST EXPOSURE PROPHYLAXIS	16	11	10	23	23	10	16	-60.0%	2.64
STAPH AUREUS VISA	0	13	11	2	3	2	3	-50.0%	0.53
TB DISEASE	3	0	4	2	2	1	2	-100.0%	0.26
TOXIC SHOCK (STAPH) SYNDROME	0	0	0	0	0	0	0	0.0%	0.00
VIBRIOSIS	1	1	0	1	1	0	1	0.0%	0.00





### Enteric Cases Per Month 2017



### Respiratory Cases Per Month 2017

