

Missouri Department of Health and Senior  
Services (DHSS)

Weekly Communicable Disease Report  
for the

**St Clair County**

Missouri Department of Health and Senior Services (DHSS)

**Weekly Communicable Disease Report**

for the

**St Clair County**

**Report for Week 50 of 2016**

**Report Run Date = December 20, 2016**

**For DHSS and LPHA Internal Use Only.  
Data Included in This Report is Provisional.**

**Data Source: Confirmed or Probable Cases of Diseases & Conditions  
entered into the Missouri Health Surveillance Information System (WEBSURV)**

**Missouri Department of Health and Senior Services (DHSS)**  
**Weekly Communicable Disease Report**  
**Quartile Analysis of Year-to-date Counts for Week 50, 2016**

**St Clair County**

<i>Disease or Condition</i>	<i>Week 50 YTD<sup>1</sup></i>	<i>Week 49 YTD<sup>1</sup></i>	<i>Week 48 YTD<sup>1</sup></i>	<i>Five Year 1<sup>st</sup> Quartile</i>	<i>Five Year Median</i>	<i>Five Year 3<sup>rd</sup> Quartile</i>	<i>Change from Week 49 to Week 50</i>	<i>Change from Week 50 to 5-Year Median</i>	<i>Rate per 100,000 Week 50</i>	<i>Relative Rate Week 50</i>	<i>First Week Reported<sup>2</sup></i>	<i>Last Week Reported<sup>2</sup></i>
Animal Bites	15	14	13	No Data	11	No Data	7.1%	39.5%	155.41	1.23	1	50
Campylobacteriosis	2	2	2	1	1	1	0.0%	100.0%	20.72	0.90	44	46
E. Coli O157 H7	1	1	1	1	1	1	0.0%	0.0%	10.36	4.39	43	43
Hepatitis C, Chronic Infection	7	7	7	9	11	12	0.0%	( 36.4%)	72.52	0.86	9	40
Lyme	1	1	1	1	1	1	0.0%	0.0%	10.36	41.41	14	14
Pertussis	1	1	1	5	5	5	0.0%	( 80.0%)	10.36	1.87	48	48
Rabies Post Exposure Prophylaxis	1	1	1	No Data	1	No Data	0.0%	( 25.0%)	10.36	1.13	17	17
Rocky Mountain Spotted Fever	1	1	1	2	2	2	0.0%	( 50.0%)	10.36	1.62	33	33
Salmonellosis	1	1	1	2	3	4	0.0%	( 66.7%)	10.36	0.59	20	20
Tb Infection	1	1	1	1	1	1	0.0%	0.0%	10.36	0.21	36	36
Tularemia	1	1	0	No Data	0	No Data	0.0%	0.0%	10.36	13.48	49	49
Varicella (Chickenpox)	1	1	1	No Data	2	No Data	0.0%	( 50.0%)	10.36	3.92	31	31

<sup>1</sup> **Analysis Results Legend:**

*The Year-to-Date (YTD) count is above the 5-year median.*

*The Year-to-Date (YTD) count is above the 5-year 3rd quartile for a period of one or two weeks.*

*The Year-to-Date (YTD) count is above the 5-year 3rd quartile for a period of three weeks.*

*The Year-to-Date (YTD) count is above the 5-year Maximum.*

<sup>2</sup> **First Week Reported in 2016**

**Missouri Department of Health and Senior Services (DHSS)**  
**Weekly Communicable Disease Report for Week 50, 2016**  
**Disease or Condition Analysis**  
**Relative to Last Report run on 12/13/2016 for Week 49, 2016**

**St Clair County**

<i>Disease or Condition</i>	<i>Data Status</i> <sup>1,2</sup>	<i>1<sup>st</sup> Week Reported Current Report</i>	<i>1<sup>st</sup> Week Reported Last Report</i>	<i>Change in Count</i>	<i>Week 50 Quartile Results</i> <sup>3</sup>	<i>Week 49 Quartile Results</i> <sup>4</sup>	<i>Data Trend Analysis</i> <sup>5</sup>	<i>Data Elevation Analysis</i> <sup>6</sup>
Animal Bites	Old	1	1	1	Above Median	Above Median	Increase	Above Normal
Campylobacteriosis	Old	44	44	0	Above Maximum	Above Maximum	Flat	Very Elevated
E. Coli O157 H7	Old	43	43	0	Below Median	Below Median	Flat	Below Normal
Hepatitis C, Chronic Infection	Old	9	9	0	Below Median	Below Median	Flat	Below Normal
Lyme	Old	14	14	0	Below Median	Below Median	Flat	Below Normal
Pertussis	Old	48	48	0	Below Median	Below Median	Flat	Below Normal
Rabies Post Exposure Prophylaxis	Old	17	17	0	Below Median	Below Median	Flat	Below Normal
Rocky Mountain Spotted Fever	Old	33	33	0	Below Median	Below Median	Flat	Below Normal
Salmonellosis	Old	20	20	0	Below Median	Below Median	Flat	Below Normal
Tb Infection	Old	36	36	0	Below Median	Below Median	Flat	Below Normal
Tularemia	Old	49	49	0	Above Median	Above Median	Flat	Above Normal
Varicella (Chickenpox)	Old	31	31	0	Below Median	Below Median	Flat	Below Normal

<sup>1</sup> Data Status: Old=Continuing Occurrence in 2016, New=First Occurrence in 2016 and Out=Case was Removed from WEBSURV

<sup>2</sup> First Week Reported and/or First Occurrence of Disease or Condition in 2016

<sup>3</sup> Week 50 Quartile Results are from the Current Report

<sup>4</sup> Week 49 Quartile Results are from the Last Report

<sup>5</sup> Based on Change in Count Current Report vs Last Report

<sup>6</sup> Based on Quartile Analysis from Current Report where: Below Normal=below median, Above Normal= above median, Elevated=above 3<sup>rd</sup> quartile and Very Elevated=Above Maximum.

**Missouri Department of Health and Senior Services (DHSS)  
Weekly Communicable Disease Report  
Year-to-Date Rates for Week 50, 2016**

<i>Disease or Condition</i>	<i>Rate</i> <sup>1</sup>	<i>Relative Rate</i> <sup>2,3,4</sup>
<i>Animal Bites</i>	155.41	1.23
<i>Campylobacteriosis</i>	20.72	0.90
<i>E. Coli O157 H7</i>	10.36	4.39
<i>Hepatitis C, Chronic Infection</i>	72.52	0.86
<i>Lyme</i>	10.36	41.41
<i>Pertussis</i>	10.36	1.87
<i>Rabies Post Exposure Prophylaxis</i>	10.36	1.13
<i>Rocky Mountain Spotted Fever</i>	10.36	1.62
<i>Salmonellosis</i>	10.36	0.59
<i>Tb Infection</i>	10.36	0.21
<i>Tularemia</i>	10.36	13.48
<i>Varicella (Chickenpox)</i>	10.36	3.92

<sup>1</sup> Rates are Year-to-Date Counts per 100,000 population for Week 50, 2016

<sup>2</sup> The relative rate is computed as the county or district rate divided by the overall state rate

<sup>3</sup> Relative rate between 2.0 and 3.0

<sup>4</sup> Relative rate above 3.0

**Missouri Department of Health and Senior Services (DHSS)**  
**Weekly Communicable Disease Reports**  
**Comparison of 4-week Count Mean for Week 50, 2016 with Historical Limits**

**St Clair County**

<i>Disease or Condition</i>	<i>Analysis Results <sup>1</sup></i>	<i>4-week Count Mean for Week 50<sup>2</sup></i>	<i>Upper Limit for Week 50<sup>3</sup></i>	<i>4-week Count Mean for Week 49<sup>2</sup></i>	<i>Upper Limit for Week 49<sup>3</sup></i>	<i>4-week Count Mean for Week 48<sup>2</sup></i>	<i>Upper Limit for Week 48<sup>3</sup></i>
Hepatitis C, Chronic Infection		0.0	0.5	0.0	0.6	0.0	0.6

<sup>1</sup> Analysis Results Legend for Week 50:

The 4-week Count mean is between the Historical Mean and the Historical Mean plus 1 Std. Dev.

The 4-week Count mean is between the Historical Mean plus 1 Std. Dev. and the Historical Mean plus 2 Std. Dev.

The 4-week Count mean is between the Historical Mean plus 2 Std. Dev. and the Historical Mean plus 3 Std. Dev.

The 4-week Count mean is above the Historical Mean plus 3 Std. Dev.

<sup>2</sup> 4-week Count mean based on the current and 3 previous weeks.

<sup>3</sup> The Historical Count mean plus two standard deviations based on the current week, 7 previous weeks and 4 subsequents or leading weeks for the past five years.

***St Clair County***