

Missouri Department of Health and Senior  
Services (DHSS)

Weekly Communicable Disease Report  
for the

**Cooper County**

Missouri Department of Health and Senior Services (DHSS)

**Weekly Communicable Disease Report**

for the

**Cooper 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**

**Cooper County**

<b>Disease or Condition</b>	<b>Week 50 YTD<sup>1</sup></b>	<b>Week 49 YTD<sup>1</sup></b>	<b>Week 48 YTD<sup>1</sup></b>	<b>Five Year 1<sup>st</sup> Quartile</b>	<b>Five Year Median</b>	<b>Five Year 3<sup>rd</sup> Quartile</b>	<b>Change from Week 49 to Week 50</b>	<b>Change from Week 50 to 5-Year Median</b>	<b>Rate per 100,000 Week 50</b>	<b>Relative Rate Week 50</b>	<b>First Week Reported<sup>2</sup></b>	<b>Last Week Reported<sup>2</sup></b>
Animal Bites	27	27	27	No Data	27	No Data	0.0%	( 1.2%)	161.97	1.28	3	45
Campylobacteriosis	5	5	5	1	2	3	0.0%	150.0%	29.99	1.30	17	47
Cryptosporidiosis	5	5	5	1	1	4	0.0%	400.0%	29.99	4.16	14	47
E Coli Shiga Toxin Positive	1	1	1	1	1	2	0.0%	0.0%	6.00	1.78	39	39
Ehrlichia chaffeensis	1	1	1	1	1	3	0.0%	0.0%	6.00	1.47	20	20
Giardiasis	1	1	1	1	1	2	0.0%	0.0%	6.00	1.04	5	5
Hemolytic Uremic Syndrome	1	1	1	1	1	1	0.0%	0.0%	6.00	18.65	40	40
Hepatitis B Chronic Infection	1	1	1	1	1	3	0.0%	0.0%	6.00	0.84	18	18
Hepatitis C Acute	1	1	1	1	1	1	0.0%	0.0%	6.00	13.99	25	25
Hepatitis C, Chronic Infection	20	20	20	15	17	29	0.0%	17.6%	119.98	1.42	1	37
Rabies Post Exposure Prophylaxis	4	4	4	No Data	2	No Data	0.0%	66.7%	24.00	2.61	19	45
Salmonellosis	3	3	3	2	3	6	0.0%	0.0%	18.00	1.02	18	32
Shigellosis	2	2	2	No Data	0	No Data	0.0%	0.0%	12.00	0.84	20	20
Tb Infection	2	2	2	3	3	6	0.0%	( 33.3%)	12.00	0.24	28	40
Tuberculosis	1	1	1	1	1	1	0.0%	0.0%	6.00	3.53	35	35

<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**

**Cooper 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	3	3	0	Below Median	Below Median	Flat	Below Normal
Campylobacteriosis	Old	17	17	0	Above Maximum	Above Maximum	Flat	Very Elevated
Cryptosporidiosis	Old	14	14	0	Above Maximum	Above Maximum	Flat	Very Elevated
E Coli Shiga Toxin Positive	Old	39	39	0	Below Median	Below Median	Flat	Below Normal
Ehrlichia chaffeensis	Old	20	20	0	Below Median	Below Median	Flat	Below Normal
Giardiasis	Old	5	5	0	Below Median	Below Median	Flat	Below Normal
Hemolytic Uremic Syndrome	Old	40	40	0	Below Median	Below Median	Flat	Below Normal
Hepatitis B Chronic Infection	Old	18	18	0	Below Median	Below Median	Flat	Below Normal
Hepatitis C Acute	Old	25	25	0	Below Median	Below Median	Flat	Below Normal
Hepatitis C, Chronic Infection	Old	1	1	0	Above Median	Above Median	Flat	Above Normal
Rabies Post Exposure Prophylaxis	Old	19	19	0	Above Median	Above Median	Flat	Above Normal
Salmonellosis	Old	18	18	0	Below Median	Below Median	Flat	Below Normal
Shigellosis	Old	20	20	0	Above Median	Above Median	Flat	Above Normal
Tb Infection	Old	28	28	0	Below Median	Below Median	Flat	Below Normal
Tuberculosis	Old	35	35	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>	161.97	1.28
<i>Campylobacteriosis</i>	29.99	1.30
<i>Cryptosporidiosis</i>	29.99	4.16
<i>E Coli Shiga Toxin Positive</i>	6.00	1.78
<i>Ehrlichia chaffeensis</i>	6.00	1.47
<i>Giardiasis</i>	6.00	1.04
<i>Hemolytic Uremic Syndrome</i>	6.00	18.65
<i>Hepatitis B Chronic Infection</i>	6.00	0.84
<i>Hepatitis C Acute</i>	6.00	13.99
<i>Hepatitis C, Chronic Infection</i>	119.98	1.42
<i>Rabies Post Exposure Prophylaxis</i>	24.00	2.61
<i>Salmonellosis</i>	18.00	1.02
<i>Shigellosis</i>	12.00	0.84
<i>Tb Infection</i>	12.00	0.24
<i>Tuberculosis</i>	6.00	3.53

<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**

**Cooper 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	0.9	0.0	0.8	0.0	0.9

<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.**

Weekly Communicable Disease Reports

4-week Count Mean Z-Scores for Week 50, 2016

(Z-Scores greater than 2.0)

**Cooper County**