

Missouri Department of Health and Senior  
Services (DHSS)

Weekly Communicable Disease Report  
for the

**Macon County**

Missouri Department of Health and Senior Services (DHSS)

**Weekly Communicable Disease Report**

for the

**Macon 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**

**Macon 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	22	22	21	No Data	21	No Data	0.0%	3.9%	139.58	1.11	1	49
Campylobacteriosis	5	5	5	1	2	6	0.0%	150.0%	31.72	1.37	4	25
Cryptosporidiosis	3	3	3	3	3	3	0.0%	0.0%	19.03	2.64	16	40
E. Coli O157 H7	1	1	1	1	1	1	0.0%	0.0%	6.34	2.69	46	46
Giardiasis	3	3	3	1	2	2	0.0%	100.0%	19.03	3.30	7	21
Hepatitis B Chronic Infection	2	2	2	3	3	3	0.0%	( 33.3%)	12.69	1.77	5	25
Hepatitis C, Chronic Infection	6	5	5	4	5	5	20.0%	20.0%	38.07	0.45	1	50
Rabies Post Exposure Prophylaxis	1	1	1	No Data	4	No Data	0.0%	( 75.0%)	6.34	0.69	24	24
Rocky Mountain Spotted Fever	7	7	7	1	1	3	0.0%	600.0%	44.41	6.96	16	35
Salmonellosis	1	1	1	1	1	2	0.0%	0.0%	6.34	0.36	47	47
Shigellosis	3	3	3	No Data	0	No Data	0.0%	0.0%	19.03	1.34	20	43
Tb Infection	2	2	2	1	1	2	0.0%	100.0%	12.69	0.26	24	24
Tuberculosis	1	1	1	1	1	1	0.0%	0.0%	6.34	3.74	21	21

<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**

**Macon 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	0	Above Median	Above Median	Flat	Above Normal
Campylobacteriosis	Old	4	4	0	Above Median	Above Median	Flat	Above Normal
Cryptosporidiosis	Old	16	16	0	Above 3 <sup>rd</sup> Quartile	Above Maximum	Flat	Elevated
E. Coli O157 H7	Old	46	46	0	Below Median	Below Median	Flat	Below Normal
Giardiasis	Old	7	7	0	Above Maximum	Above Maximum	Flat	Very Elevated
Hepatitis B Chronic Infection	Old	5	5	0	Below Median	Below Median	Flat	Below Normal
Hepatitis C, Chronic Infection	Old	1	1	1	Above 3 <sup>rd</sup> Quartile	Above Median	Increase	Elevated
Rabies Post Exposure Prophylaxis	Old	24	24	0	Below Median	Below Median	Flat	Below Normal
Rocky Mountain Spotted Fever	Old	16	16	0	Above Maximum	Above Maximum	Flat	Very Elevated
Salmonellosis	Old	47	47	0	Below Median	Below Median	Flat	Below Normal
Shigellosis	Old	20	20	0	Above Median	Above Median	Flat	Above Normal
Tb Infection	Old	24	24	0	Above Median	Above Median	Flat	Above Normal
Tuberculosis	Old	21	21	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>	139.58	1.11
<i>Campylobacteriosis</i>	31.72	1.37
<i>Cryptosporidiosis</i>	19.03	2.64
<i>E. Coli O157 H7</i>	6.34	2.69
<i>Giardiasis</i>	19.03	3.30
<i>Hepatitis B Chronic Infection</i>	12.69	1.77
<i>Hepatitis C, Chronic Infection</i>	38.07	0.45
<i>Rabies Post Exposure Prophylaxis</i>	6.34	0.69
<i>Rocky Mountain Spotted Fever</i>	44.41	6.96
<i>Salmonellosis</i>	6.34	0.36
<i>Shigellosis</i>	19.03	1.34
<i>Tb Infection</i>	12.69	0.26
<i>Tuberculosis</i>	6.34	3.74

<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

*Weekly Communicable Disease Reports*

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

*(Z-Scores greater than 2.0)*

***Macon County***