

Missouri Department of Health and Senior  
Services (DHSS)

Weekly Communicable Disease Report  
for the

**Madison County**

Missouri Department of Health and Senior Services (DHSS)

**Weekly Communicable Disease Report**

for the

**Madison 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**

**Madison 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	31	29	29	No Data	18	No Data	6.9%	73.1%	262.71	2.08	1	50
Campylobacteriosis	1	1	1	2	2	3	0.0%	( 50.0%)	8.47	0.37	17	17
E Coli Shiga Toxin Positive	2	2	2	2	2	2	0.0%	0.0%	16.95	5.02	27	34
Ehrlichia chaffeensis	3	3	3	2	2	2	0.0%	50.0%	25.42	6.24	22	42
Hepatitis C Acute	3	3	3	No Data	0	No Data	0.0%	0.0%	25.42	59.27	10	35
Hepatitis C, Chronic Infection	7	7	7	10	12	13	0.0%	( 41.7%)	59.32	0.70	5	37
Influenza	2	2	2	No Data	9	No Data	0.0%	( 78.4%)	16.95	1.25	43	47
Pertussis	2	2	2	1	1	1	0.0%	100.0%	16.95	3.06	21	36
Rabies Post Exposure Prophylaxis	1	1	1	No Data	4	No Data	0.0%	( 75.0%)	8.47	0.92	44	44
Rocky Mountain Spotted Fever	1	1	1	1	2	2	0.0%	( 50.0%)	8.47	1.33	26	26
Salmonellosis	3	3	3	1	3	4	0.0%	0.0%	25.42	1.44	8	24
Strep Pneumoniae, Drug-Resistant	2	2	2	No Data	0	No Data	0.0%	0.0%	16.95	3.66	25	46
Tb Infection	1	1	1	2	2	2	0.0%	( 50.0%)	8.47	0.17	17	17
Tuberculosis	1	1	1	No Data	0	No Data	0.0%	0.0%	8.47	4.99	26	26

<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**

**Madison 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	2	Above Median	Above Median	Increase	Above Normal
Campylobacteriosis	Old	17	17	0	Below Median	Below Median	Flat	Below Normal
E Coli Shiga Toxin Positive	Old	27	27	0	Below Median	Below Median	Flat	Below Normal
Ehrlichia chaffeensis	Old	22	22	0	Above Maximum	Above Maximum	Flat	Very Elevated
Hepatitis C Acute	Old	10	10	0	Above Median	Above Median	Flat	Above Normal
Hepatitis C, Chronic Infection	Old	5	5	0	Below Median	Below Median	Flat	Below Normal
Influenza	Old	43	43	0	Below Median	Below Median	Flat	Below Normal
Pertussis	Old	21	21	0	Above Maximum	Above Maximum	Flat	Very Elevated
Rabies Post Exposure Prophylaxis	Old	44	44	0	Below Median	Below Median	Flat	Below Normal
Rocky Mountain Spotted Fever	Old	26	26	0	Below Median	Below Median	Flat	Below Normal
Salmonellosis	Old	8	8	0	Below Median	Below Median	Flat	Below Normal
Strep Pneumoniae, Drug-Resistant	Old	25	25	1	Above Median	Above Median	Increase	Above Normal
Tb Infection	Old	17	17	0	Below Median	Below Median	Flat	Below Normal
Tuberculosis	Old	26	26	0	Above Median	Above Median	Flat	Above 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>	262.71	2.08
<i>Campylobacteriosis</i>	8.47	0.37
<i>E Coli Shiga Toxin Positive</i>	16.95	5.02
<i>Ehrlichia chaffeensis</i>	25.42	6.24
<i>Hepatitis C Acute</i>	25.42	59.27
<i>Hepatitis C, Chronic Infection</i>	59.32	0.70
<i>Influenza</i>	16.95	1.25
<i>Pertussis</i>	16.95	3.06
<i>Rabies Post Exposure Prophylaxis</i>	8.47	0.92
<i>Rocky Mountain Spotted Fever</i>	8.47	1.33
<i>Salmonellosis</i>	25.42	1.44
<i>Strep Pneumoniae, Drug-Resistant</i>	16.95	3.66
<i>Tb Infection</i>	8.47	0.17
<i>Tuberculosis</i>	8.47	4.99

<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**

**Madison 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	0.6	0.0	0.6	0.0	0.7

<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.**

***Madison County***