

Missouri Department of Health and Senior  
Services (DHSS)

Weekly Communicable Disease Report  
for the

**Mississippi County**

Missouri Department of Health and Senior Services (DHSS)

**Weekly Communicable Disease Report**

for the

**Mississippi 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**  
**Mississippi 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	1	1	1	No Data	3	No Data	0.0%	( 70.4%)	7.45	0.06	14	14
Campylobacteriosis	2	2	2	3	4	5	0.0%	( 50.0%)	14.90	0.64	1	37
Giardiasis	1	1	1	No Data	0	No Data	0.0%	0.0%	7.45	1.29	39	39
Hepatitis B Chronic Infection	2	2	2	1	2	3	0.0%	0.0%	14.90	2.08	2	3
Hepatitis C, Chronic Infection	31	31	31	18	30	32	0.0%	3.3%	230.88	2.73	5	40
Influenza	3	3	3	No Data	44	No Data	0.0%	( 93.2%)	22.34	1.64	40	42
Salmonellosis	4	4	4	4	5	5	0.0%	( 20.0%)	29.79	1.68	23	48
Shigellosis	1	1	1	11	11	11	0.0%	( 90.9%)	7.45	0.52	4	4
Tb Infection	2	2	2	1	1	2	0.0%	100.0%	14.90	0.30	10	19

<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**  
**Mississippi 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	14	14	0	Below Median	Below Median	Flat	Below Normal
Campylobacteriosis	Old	1	1	1	Below Median	Below Median	Increase	Below Normal
Giardiasis	Old	39		1	Above Median	Below Median	Increase	Above Normal
Hepatitis B Chronic Infection	Old	2	2	0	Below Median	Below Median	Flat	Below Normal
Hepatitis C, Chronic Infection	Old	5	5	0	Above Median	Above Median	Flat	Above Normal
Influenza	Old	40	40	0	Below Median	Below Median	Flat	Below Normal
Salmonellosis	Old	23	23	0	Below Median	Below Median	Flat	Below Normal
Shigellosis	Old	4	4	0	Below Median	Below Median	Flat	Below Normal
Tb Infection	Old	10	10	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>	7.45	0.06
<i>Campylobacteriosis</i>	14.90	0.64
<i>Giardiasis</i>	7.45	1.29
<i>Hepatitis B Chronic Infection</i>	14.90	2.08
<i>Hepatitis C, Chronic Infection</i>	230.88	2.73
<i>Influenza</i>	22.34	1.64
<i>Salmonellosis</i>	29.79	1.68
<i>Shigellosis</i>	7.45	0.52
<i>Tb Infection</i>	14.90	0.30

<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

5

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  
**Mississippi County**

Disease or Condition	Analysis Results <sup>1</sup>	4-week Count Mean for Week 50 <sup>2</sup>	Upper Limit for Week 50 <sup>3</sup>	4-week Count Mean for Week 49 <sup>2</sup>	Upper Limit for Week 49 <sup>3</sup>	4-week Count Mean for Week 48 <sup>2</sup>	Upper Limit for Week 48 <sup>3</sup>
Hepatitis C, Chronic Infection		0.0	0.9	0.0	0.9	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.

***Mississippi County***