

Missouri Department of Health and Senior  
Services (DHSS)

Weekly Communicable Disease Report

for the

**Stone County**

Missouri Department of Health and Senior Services (DHSS)

**Weekly Communicable Disease Report**

for the

**Stone 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**

**Stone 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	44	44	42	No Data	31	No Data	0.0%	43.1%	153.53	1.22	2	49
Campylobacteriosis	12	12	12	3	5	9	0.0%	140.0%	41.87	1.81	6	47
Cryptosporidiosis	4	4	4	1	3	6	0.0%	33.3%	13.96	1.94	31	40
E Coli Shiga Toxin Positive	2	2	2	1	2	2	0.0%	0.0%	6.98	2.07	23	31
E. Coli O157 H7	1	1	1	1	2	2	0.0%	( 33.3%)	3.49	1.48	20	20
Ehrlichia chaffeensis	4	4	4	2	3	5	0.0%	33.3%	13.96	3.43	21	27
Giardiasis	3	3	3	1	2	3	0.0%	50.0%	10.47	1.81	16	34
Haemophilus Influenzae, Invasive	3	3	3	1	1	1	0.0%	200.0%	10.47	4.37	13	48
Hepatitis B Chronic Infection	1	1	1	1	1	2	0.0%	0.0%	3.49	0.49	47	47
Hepatitis C, Chronic Infection	47	47	44	18	18	34	0.0%	161.1%	164.00	1.94	2	49
Influenza	9	9	7	No Data	7	No Data	0.0%	24.1%	31.40	2.31	47	49
Legionellosis	2	2	2	1	1	2	0.0%	100.0%	6.98	2.57	13	39
Rabies Post Exposure Prophylaxis	5	5	5	No Data	5	No Data	0.0%	0.0%	17.45	1.90	9	44
Salmonellosis	5	5	5	4	4	4	0.0%	25.0%	17.45	0.99	12	34
Shigellosis	3	3	3	1	1	1	0.0%	200.0%	10.47	0.73	7	39
Tb Infection	2	2	1	3	3	4	0.0%	( 33.3%)	6.98	0.14	31	49
Tuberculosis	1	1	1	1	1	1	0.0%	0.0%	3.49	2.06	4	4

<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**

**Stone 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	2	2	2	Above Median	Above Median	Increase	Above Normal
Campylobacteriosis	Old	6	6	0	Above 3 <sup>rd</sup> Quartile	Above Maximum	Flat	Elevated
Cryptosporidiosis	Old	31	31	0	Above Median	Above Median	Flat	Above Normal
E Coli Shiga Toxin Positive	Old	23	23	0	Below Median	Below Median	Flat	Below Normal
E. Coli O157 H7	Old	20	20	0	Below Median	Below Median	Flat	Below Normal
Ehrlichia chaffeensis	Old	21	21	0	Above Median	Above Median	Flat	Above Normal
Giardiasis	Old	16	16	0	Above Median	Above 3 <sup>rd</sup> Quartile	Flat	Above Normal
Haemophilus Influenzae, Invasive	Old	13	13	0	Above Maximum	Above Maximum	Flat	Very Elevated
Hepatitis B Chronic Infection	Old	47	47	0	Below Median	Below Median	Flat	Below Normal
Hepatitis C, Chronic Infection	Old	2	2	3	Above Maximum	Above Maximum	Increase	Very Elevated
Influenza	Old	47	47	2	Above Median	Above Median	Increase	Above Normal
Legionellosis	Old	13	13	0	Above 3 <sup>rd</sup> Quartile	Above 3 <sup>rd</sup> Quartile	Flat	Elevated
Rabies Post Exposure Prophylaxis	Old	9	9	0	Below Median	Above Median	Flat	Below Normal
Salmonellosis	Old	12	12	0	Above 3 <sup>rd</sup> Quartile	Above 3 <sup>rd</sup> Quartile	Flat	Elevated
Shigellosis	Old	7	7	0	Above Maximum	Above Maximum	Flat	Very Elevated
Tb Infection	Old	31	31	0	Below Median	Below Median	Flat	Below Normal
Tuberculosis	Old	4	4	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>	153.53	1.22
<i>Campylobacteriosis</i>	41.87	1.81
<i>Cryptosporidiosis</i>	13.96	1.94
<i>E Coli Shiga Toxin Positive</i>	6.98	2.07
<i>E. Coli O157 H7</i>	3.49	1.48
<i>Ehrlichia chaffeensis</i>	13.96	3.43
<i>Giardiasis</i>	10.47	1.81
<i>Haemophilus Influenzae, Invasive</i>	10.47	4.37
<i>Hepatitis B Chronic Infection</i>	3.49	0.49
<i>Hepatitis C, Chronic Infection</i>	164.00	1.94
<i>Influenza</i>	31.40	2.31
<i>Legionellosis</i>	6.98	2.57
<i>Rabies Post Exposure Prophylaxis</i>	17.45	1.90
<i>Salmonellosis</i>	17.45	0.99
<i>Shigellosis</i>	10.47	0.73
<i>Tb Infection</i>	6.98	0.14
<i>Tuberculosis</i>	3.49	2.06

<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**

**Stone 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		1.0	0.9	1.3	1.0	0.5	1.1

<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.

**Stone County**

