

Missouri Department of Health and Senior  
Services (DHSS)

Weekly Communicable Disease Report  
for the

**Johnson County**

Missouri Department of Health and Senior Services (DHSS)

**Weekly Communicable Disease Report**

for the

**Johnson 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**

**Johnson 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	76	73	73	No Data	43	No Data	4.1%	77.8%	157.49	1.25	1	50
Campylobacteriosis	16	16	16	4	8	20	0.0%	100.0%	33.16	1.43	6	45
Cryptosporidiosis	3	3	3	3	4	5	0.0%	( 25.0%)	6.22	0.86	21	34
E Coli Shiga Toxin Positive	1	1	1	2	3	4	0.0%	( 60.0%)	2.07	0.61	44	44
E. Coli O157 H7	1	1	1	1	1	1	0.0%	0.0%	2.07	0.88	12	12
Ehrlichia chaffeensis	2	2	2	1	1	2	0.0%	100.0%	4.14	1.02	26	29
Giardiasis	2	2	2	1	1	2	0.0%	100.0%	4.14	0.72	12	43
Haemophilus Influenzae, Invasive	1	1	1	1	1	1	0.0%	0.0%	2.07	0.87	28	28
Hemolytic Uremic Syndrome	1	1	1	No Data	0	No Data	0.0%	0.0%	2.07	6.44	12	12
Hepatitis B Acute	1	1	1	2	2	2	0.0%	( 50.0%)	2.07	3.13	16	16
Hepatitis B Chronic Infection	1	1	1	2	2	3	0.0%	( 50.0%)	2.07	0.29	40	40
Hepatitis C, Chronic Infection	17	17	17	14	16	16	0.0%	6.3%	35.23	0.42	2	42
Influenza	35	32	23	No Data	23	No Data	9.4%	50.9%	72.53	5.34	41	50
Legionellosis	2	2	2	1	1	1	0.0%	100.0%	4.14	1.53	4	22
Pertussis	1	1	1	1	2	5	0.0%	( 50.0%)	2.07	0.37	42	42
Rocky Mountain Spotted Fever	7	7	7	4	6	8	0.0%	27.3%	14.51	2.27	19	41
Salmonellosis	12	12	12	8	9	12	0.0%	33.3%	24.87	1.41	1	46
Shigellosis	3	3	3	1	2	17	0.0%	50.0%	6.22	0.44	11	35
Strep Disease, Group A Invasive	1	1	1	1	1	1	0.0%	0.0%	2.07	0.96	5	5
Strep Pneumoniae, Drug-Resistant	2	2	2	1	1	1	0.0%	100.0%	4.14	0.90	17	22
Tb Infection	11	11	11	13	26	65	0.0%	( 57.7%)	22.79	0.46	2	40
Tuberculosis	4	4	4	1	1	3	0.0%	300.0%	8.29	4.88	16	34
Typhoid Fever	1	1	1	No Data	0	No Data	0.0%	0.0%	2.07	28.99	37	37
Varicella (Chickenpox)	2	2	2	No Data	6	No Data	0.0%	( 66.7%)	4.14	1.57	11	22

<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**

**Johnson County**

<b>Disease or Condition</b>	<b>Data Status<sup>1,2</sup></b>	<b>1<sup>st</sup> Week Reported Current Report</b>	<b>1<sup>st</sup> Week Reported Last Report</b>	<b>Change in Count</b>	<b>Week 50 Quartile Results<sup>3</sup></b>	<b>Week 49 Quartile Results<sup>4</sup></b>	<b>Data Trend Analysis<sup>5</sup></b>	<b>Data Elevation Analysis<sup>6</sup></b>
Animal Bites	Old	1	1	4	Above Median	Above Median	Increase	Above Normal
Campylobacteriosis	Old	6	6	0	Above Median	Above Median	Flat	Above Normal
Cryptosporidiosis	Old	21	21	0	Below Median	Below Median	Flat	Below Normal
E Coli Shiga Toxin Positive	Old	44	44	0	Below Median	Below Median	Flat	Below Normal
E. Coli O157 H7	Old	12	12	0	Below Median	Below Median	Flat	Below Normal
Ehrlichia chaffeensis	Old	26	26	0	Above Median	Above Median	Flat	Above Normal
Giardiasis	Old	12	12	0	Above Median	Above Median	Flat	Above Normal
Haemophilus Influenzae, Invasive	Old	28	28	0	Below Median	Below Median	Flat	Below Normal
Hemolytic Uremic Syndrome	Old	12	12	0	Above Median	Above Median	Flat	Above Normal
Hepatitis B Acute	Old	16	16	0	Below Median	Below Median	Flat	Below Normal
Hepatitis B Chronic Infection	Old	40	40	0	Below Median	Below Median	Flat	Below Normal
Hepatitis C, Chronic Infection	Old	2	2	0	Above 3 <sup>rd</sup> Quartile	Above 3 <sup>rd</sup> Quartile	Flat	Elevated
Influenza	Old	41	41	17	Above Median	Above Median	Increase	Above Normal
Legionellosis	Old	4	4	0	Above Maximum	Above Maximum	Flat	Very Elevated
Pertussis	Old	42	42	0	Below Median	Below Median	Flat	Below Normal
Rocky Mountain Spotted Fever	Old	19	19	0	Above Median	Above Median	Flat	Above Normal
Salmonellosis	Old	1	1	0	Above Median	Above Median	Flat	Above Normal
Shigellosis	Old	11	11	0	Above Median	Above Median	Flat	Above Normal
Strep Disease, Group A Invasive	Old	5	5	0	Below Median	Below Median	Flat	Below Normal
Strep Pneumoniae, Drug-Resistant	Old	17	17	0	Above Maximum	Above Maximum	Flat	Very Elevated
Tb Infection	Old	2	2	0	Below Median	Below Median	Flat	Below Normal
Tuberculosis	Old	16	16	0	Above 3 <sup>rd</sup> Quartile	Above 3 <sup>rd</sup> Quartile	Flat	Elevated

<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 for Week 50, 2016  
 Disease or Condition Analysis  
 Relative to Last Report run on 12/13/2016 for Week 49, 2016

**Johnson 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>
Typhoid Fever	Old	37	37	0	Above Median	Above Median	Flat	Above Normal
Varicella (Chickenpox)	Old	11	11	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>	157.49	1.25
<i>Campylobacteriosis</i>	33.16	1.43
<i>Cryptosporidiosis</i>	6.22	0.86
<i>E Coli Shiga Toxin Positive</i>	2.07	0.61
<i>E. Coli O157 H7</i>	2.07	0.88
<i>Ehrlichia chaffeensis</i>	4.14	1.02
<i>Giardiasis</i>	4.14	0.72
<i>Haemophilus Influenzae, Invasive</i>	2.07	0.87
<i>Hemolytic Uremic Syndrome</i>	2.07	6.44
<i>Hepatitis B Acute</i>	2.07	3.13
<i>Hepatitis B Chronic Infection</i>	2.07	0.29
<i>Hepatitis C, Chronic Infection</i>	35.23	0.42
<i>Influenza</i>	72.53	5.34
<i>Legionellosis</i>	4.14	1.53
<i>Pertussis</i>	2.07	0.37
<i>Rocky Mountain Spotted Fever</i>	14.51	2.27
<i>Salmonellosis</i>	24.87	1.41
<i>Shigellosis</i>	6.22	0.44
<i>Strep Disease, Group A Invasive</i>	2.07	0.96
<i>Strep Pneumoniae, Drug-Resistant</i>	4.14	0.90
<i>Tb Infection</i>	22.79	0.46
<i>Tuberculosis</i>	8.29	4.88
<i>Typhoid Fever</i>	2.07	28.99
<i>Varicella (Chickenpox)</i>	4.14	1.57

<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**

**Johnson 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>
Campylobacteriosis		0.0	0.8	0.0	0.8	0.3	0.9
Hepatitis C, Chronic Infection		0.0	1.2	0.0	1.1	0.0	1.1
Salmonellosis		0.0	0.4	0.3	0.4	0.3	0.5

<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.

**Johnson County**