

Missouri Department of Health and Senior  
Services (DHSS)

Weekly Communicable Disease Report  
for the

**Washington County**

Missouri Department of Health and Senior Services (DHSS)

**Weekly Communicable Disease Report**

for the

**Washington 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**  
**Washington 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	15	15	15	No Data	34	No Data	0.0%	( 55.4%)	64.26	0.51	5	41
Campylobacteriosis	6	6	6	1	3	3	0.0%	100.0%	25.70	1.11	7	48
Cryptosporidiosis	1	1	1	1	1	4	0.0%	0.0%	4.28	0.59	32	32
Ehrlichia chaffeensis	1	1	1	1	2	2	0.0%	( 50.0%)	4.28	1.05	37	37
Haemophilus Influenzae, Invasive	1	1	1	1	1	2	0.0%	0.0%	4.28	1.79	19	19
Hepatitis A Acute	1	1	1	No Data	0	No Data	0.0%	0.0%	4.28	15.98	7	7
Hepatitis B (Pregnancy) Prenatal	1	1	1	1	1	1	0.0%	0.0%	4.28	2.45	14	14
Hepatitis B Acute	1	1	1	No Data	0	No Data	0.0%	0.0%	4.28	6.48	3	3
Hepatitis B Chronic Infection	2	2	2	1	2	3	0.0%	33.3%	8.57	1.20	23	24
Hepatitis C, Chronic Infection	18	18	18	29	31	40	0.0%	( 41.9%)	77.11	0.91	5	44
Influenza	1	1	1	No Data	13	No Data	0.0%	( 92.5%)	4.28	0.32	40	40
Lyme	1	1	1	No Data	0	No Data	0.0%	0.0%	4.28	17.12	23	23
Rocky Mountain Spotted Fever	2	2	2	1	1	1	0.0%	100.0%	8.57	1.34	19	26
Salmonellosis	4	4	4	3	5	5	0.0%	( 20.0%)	17.14	0.97	20	47
Strep Disease, Group A Invasive	1	1	1	1	1	1	0.0%	0.0%	4.28	1.98	13	13
Tb Infection	1	1	1	1	2	4	0.0%	( 33.3%)	4.28	0.09	3	3
Varicella (Chickenpox)	1	1	1	No Data	2	No Data	0.0%	( 50.0%)	4.28	1.62	5	5

<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**

**Washington 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	5	5	0	Below Median	Below Median	Flat	Below Normal
Campylobacteriosis	Old	7	7	0	Above Maximum	Above Maximum	Flat	Very Elevated
Cryptosporidiosis	Old	32	32	0	Below Median	Below Median	Flat	Below Normal
Ehrlichia chaffeensis	Old	37	37	0	Below Median	Below Median	Flat	Below Normal
Haemophilus Influenzae, Invasive	Old	19	19	0	Below Median	Below Median	Flat	Below Normal
Hepatitis A Acute	Old	7	7	0	Above Median	Above Median	Flat	Above Normal
Hepatitis B (Pregnancy) Prenatal	Old	14	14	0	Below Median	Below Median	Flat	Below Normal
Hepatitis B Acute	Old	3	3	0	Above Median	Above Median	Flat	Above Normal
Hepatitis B Chronic Infection	Old	23	23	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	40	40	0	Below Median	Below Median	Flat	Below Normal
Lyme	Old	23	23	0	Above Median	Above Median	Flat	Above Normal
Rocky Mountain Spotted Fever	Old	19	19	0	Above Maximum	Above Maximum	Flat	Very Elevated
Salmonellosis	Old	20	20	0	Below Median	Below Median	Flat	Below Normal
Strep Disease, Group A Invasive	Old	13	13	0	Below Median	Below Median	Flat	Below Normal
Tb Infection	Old	3	3	0	Below Median	Below Median	Flat	Below Normal
Varicella (Chickenpox)	Old	5	5	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>	64.26	0.51
<i>Campylobacteriosis</i>	25.70	1.11
<i>Cryptosporidiosis</i>	4.28	0.59
<i>Ehrlichia chaffeensis</i>	4.28	1.05
<i>Haemophilus Influenzae, Invasive</i>	4.28	1.79
<i>Hepatitis A Acute</i>	4.28	15.98
<i>Hepatitis B (Pregnancy) Prenatal</i>	4.28	2.45
<i>Hepatitis B Acute</i>	4.28	6.48
<i>Hepatitis B Chronic Infection</i>	8.57	1.20
<i>Hepatitis C, Chronic Infection</i>	77.11	0.91
<i>Influenza</i>	4.28	0.32
<i>Lyme</i>	4.28	17.12
<i>Rocky Mountain Spotted Fever</i>	8.57	1.34
<i>Salmonellosis</i>	17.14	0.97
<i>Strep Disease, Group A Invasive</i>	4.28	1.98
<i>Tb Infection</i>	4.28	0.09
<i>Varicella (Chickenpox)</i>	4.28	1.62

<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**

**Washington County**

<i>Disease or Condition</i>	<i>Analysis Results</i> <sup>1</sup>	<i>4-week Count Mean for Week 50</i> <sup>2</sup>	<i>Upper Limit for Week 50</i> <sup>3</sup>	<i>4-week Count Mean for Week 49</i> <sup>2</sup>	<i>Upper Limit for Week 49</i> <sup>3</sup>	<i>4-week Count Mean for Week 48</i> <sup>2</sup>	<i>Upper Limit for Week 48</i> <sup>3</sup>
Hepatitis C, Chronic Infection		0.0	1.4	0.0	1.4	0.0	1.5

<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.**

***Washington County***