

Missouri Department of Health and Senior  
Services (DHSS)

Weekly Communicable Disease Report  
for the

**Webster County**

Missouri Department of Health and Senior Services (DHSS)

**Weekly Communicable Disease Report**

for the

**Webster 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**

**Webster County**

Disease or Condition	Week 50 YTD <sup>1</sup>	Week 49 YTD <sup>1</sup>	Week 48 YTD <sup>1</sup>	Five Year 1 <sup>st</sup> Quartile	Five Year Median	Five Year 3 <sup>rd</sup> Quartile	Change from Week 49 to Week 50	Change from Week 50 to 5-Year Median	Rate per 100,000 Week 50	Relative Rate Week 50	First Week Reported <sup>2</sup>	Last Week Reported <sup>2</sup>
Animal Bites	47	47	46	No Data	41	No Data	0.0%	13.9%	151.39	1.20	1	49
Campylobacteriosis	22	22	22	5	6	6	0.0%	266.7%	70.86	3.07	11	48
Cryptosporidiosis	7	7	7	1	2	3	0.0%	250.0%	22.55	3.13	5	42
E Coli Shiga Toxin Positive	1	1	1	3	3	3	0.0%	( 66.7%)	3.22	0.95	34	34
Ehrlichia chaffeensis	2	2	2	3	3	4	0.0%	( 33.3%)	6.44	1.58	27	28
Giardiasis	2	2	2	1	4	4	0.0%	( 50.0%)	6.44	1.12	31	36
Hepatitis B Acute	2	2	2	1	1	1	0.0%	100.0%	6.44	9.74	19	38
Hepatitis B Chronic Infection	6	6	6	1	1	3	0.0%	500.0%	19.33	2.70	9	35
Hepatitis C, Chronic Infection	25	25	25	24	26	27	0.0%	( 3.8%)	80.53	0.95	2	45
Legionellosis	1	1	1	1	3	4	0.0%	( 60.0%)	3.22	1.19	33	33
Rabies Post Exposure Prophylaxis	9	9	9	No Data	4	No Data	0.0%	104.5%	28.99	3.15	7	44
Rocky Mountain Spotted Fever	1	1	1	2	2	2	0.0%	( 50.0%)	3.22	0.50	21	21
Salmonellosis	10	10	10	3	5	6	0.0%	100.0%	32.21	1.82	18	44
Strep Disease, Group A Invasive	1	1	1	1	1	2	0.0%	0.0%	3.22	1.49	4	4
Strep Pneumoniae, Drug-Resistant	1	1	1	1	1	1	0.0%	0.0%	3.22	0.70	3	3
Tb Infection	6	6	6	3	3	5	0.0%	100.0%	19.33	0.39	9	43
Tularemia	3	3	3	1	2	3	0.0%	100.0%	9.66	12.57	23	46
Varicella (Chickenpox)	3	3	3	No Data	2	No Data	0.0%	71.4%	9.66	3.65	29	34
Yersiniosis	1	1	1	No Data	0	No Data	0.0%	0.0%	3.22	6.93	8	8

<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**

**Webster 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	1	Above Median	Above Median	Increase	Above Normal
Campylobacteriosis	Old	11	11	1	Above Maximum	Above Maximum	Increase	Very Elevated
Cryptosporidiosis	Old	5	5	0	Above Maximum	Above Maximum	Flat	Very Elevated
E Coli Shiga Toxin Positive	Old	34	34	0	Below Median	Below Median	Flat	Below Normal
Ehrlichia chaffeensis	Old	27	27	0	Below Median	Below Median	Flat	Below Normal
Giardiasis	Old	31	31	0	Below Median	Below Median	Flat	Below Normal
Hepatitis B Acute	Old	19	19	0	Above Maximum	Above Maximum	Flat	Very Elevated
Hepatitis B Chronic Infection	Old	9	9	0	Above 3 <sup>rd</sup> Quartile	Above 3 <sup>rd</sup> Quartile	Flat	Elevated
Hepatitis C, Chronic Infection	Old	2	2	0	Below Median	Below Median	Flat	Below Normal
Legionellosis	Old	33	33	0	Below Median	Below Median	Flat	Below Normal
Rabies Post Exposure Prophylaxis	Old	7	7	0	Above Median	Above Median	Flat	Above Normal
Rocky Mountain Spotted Fever	Old	21	21	0	Below Median	Below Median	Flat	Below Normal
Salmonellosis	Old	18	18	0	Above Maximum	Above Maximum	Flat	Very Elevated
Strep Disease, Group A Invasive	Old	4	4	0	Below Median	Below Median	Flat	Below Normal
Strep Pneumoniae, Drug-Resistant	Old	3	3	0	Below Median	Below Median	Flat	Below Normal
Tb Infection	Old	9	9	0	Above 3 <sup>rd</sup> Quartile	Above 3 <sup>rd</sup> Quartile	Flat	Elevated
Tularemia	Old	23	23	0	Above 3 <sup>rd</sup> Quartile	Above 3 <sup>rd</sup> Quartile	Flat	Elevated
Varicella (Chickenpox)	Old	29	29	0	Above Median	Above Median	Flat	Above Normal
Yersiniosis	Old	8	8	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>	151.39	1.20
<i>Campylobacteriosis</i>	70.86	3.07
<i>Cryptosporidiosis</i>	22.55	3.13
<i>E Coli Shiga Toxin Positive</i>	3.22	0.95
<i>Ehrlichia chaffeensis</i>	6.44	1.58
<i>Giardiasis</i>	6.44	1.12
<i>Hepatitis B Acute</i>	6.44	9.74
<i>Hepatitis B Chronic Infection</i>	19.33	2.70
<i>Hepatitis C, Chronic Infection</i>	80.53	0.95
<i>Legionellosis</i>	3.22	1.19
<i>Rabies Post Exposure Prophylaxis</i>	28.99	3.15
<i>Rocky Mountain Spotted Fever</i>	3.22	0.50
<i>Salmonellosis</i>	32.21	1.82
<i>Strep Disease, Group A Invasive</i>	3.22	1.49
<i>Strep Pneumoniae, Drug-Resistant</i>	3.22	0.70
<i>Tb Infection</i>	19.33	0.39
<i>Tularemia</i>	9.66	12.57
<i>Varicella (Chickenpox)</i>	9.66	3.65
<i>Yersiniosis</i>	3.22	6.93

<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**

**Webster 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	1.0	0.0	1.0	0.3	1.0

<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.**

*Weekly Communicable Disease Reports*

*4-week Count Mean Z-Scores for Week 50, 2016*

*(Z-Scores greater than 2.0)*

***Webster County***