

Missouri Department of Health and Senior  
Services (DHSS)

Weekly Communicable Disease Report  
for the

**Vernon County**

Missouri Department of Health and Senior Services (DHSS)

**Weekly Communicable Disease Report**

for the

**Vernon 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**

**Vernon 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>
Anaplasma phagocytophilum	1	1	1	No Data	0	No Data
Animal Bites	19	19	17	No Data	7	No Data
Campylobacteriosis	5	4	4	7	8	8
Cryptosporidiosis	3	3	2	2	2	3
Giardiasis	3	3	3	1	3	6
Hepatitis C Acute	1	1	1	No Data	0	No Data
Hepatitis C, Chronic Infection	10	10	10	16	16	19
Lyme	1	1	1	No Data	0	No Data
Pertussis	2	1	1	1	3	4
Q Fever, Acute	1	1	1	No Data	0	No Data
Rocky Mountain Spotted Fever	6	6	6	1	1	2
Salmonellosis	8	8	8	2	3	3
Shigellosis	2	2	2	No Data	0	No Data
Tb Infection	4	4	4	4	6	7
Tularemia	1	1	1	No Data	0	No Data
Varicella (Chickenpox)	1	1	1	No Data	1	No Data
West Nile Viral Encephalitis/Meningitis	1	1	1	No Data	0	No Data

<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  
 Quartile Analysis of Year-to-date Counts for Week 50, 2016

**Vernon County**

<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>
0.0%	0.0%	4.89	27.36	36	36
0.0%	188.6%	92.89	0.74	1	49
25.0%	( 37.5%)	24.45	1.06	21	50
0.0%	50.0%	14.67	2.04	3	49
0.0%	0.0%	14.67	2.54	9	32
0.0%	0.0%	4.89	11.40	35	35
0.0%	( 37.5%)	48.89	0.58	1	48
0.0%	0.0%	4.89	19.54	26	26
100.0%	( 20.0%)	9.78	1.76	43	50
0.0%	0.0%	4.89	136.78	33	33
0.0%	500.0%	29.33	4.60	19	43
0.0%	220.0%	39.11	2.21	1	15
0.0%	0.0%	9.78	0.69	6	6
0.0%	( 33.3%)	19.56	0.40	20	48
0.0%	0.0%	4.89	6.36	23	23
0.0%	( 25.0%)	4.89	1.85	33	33
0.0%	0.0%	4.89	34.19	35	35

<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**

**Vernon 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>
Anaplasma phagocytophilum	Old	36	36	0	Above Median	Above Median	Flat	Above Normal
Animal Bites	Old	1	1	0	Above Median	Above Median	Flat	Above Normal
Campylobacteriosis	Old	21	21	1	Below Median	Below Median	Increase	Below Normal
Cryptosporidiosis	Old	3	3	0	Above 3 <sup>rd</sup> Quartile	Above 3 <sup>rd</sup> Quartile	Flat	Elevated
Giardiasis	Old	9	9	0	Below Median	Below Median	Flat	Below Normal
Hepatitis C Acute	Old	35	35	0	Above Median	Above Median	Flat	Above Normal
Hepatitis C, Chronic Infection	Old	1	1	0	Below Median	Below Median	Flat	Below Normal
Lyme	Old	26	26	0	Above Median	Above Median	Flat	Above Normal
Pertussis	Old	43	43	1	Below Median	Below Median	Increase	Below Normal
Q Fever, Acute	Old	33	33	0	Above Median	Above Median	Flat	Above Normal
Rocky Mountain Spotted Fever	Old	19	19	0	Above 3 <sup>rd</sup> Quartile	Above 3 <sup>rd</sup> Quartile	Flat	Elevated
Salmonellosis	Old	1	1	0	Above Maximum	Above Maximum	Flat	Very Elevated
Shigellosis	Old	6	6	0	Above Median	Above Median	Flat	Above Normal
Tb Infection	Old	20	20	0	Below Median	Below Median	Flat	Below Normal
Tularemia	Old	23	23	0	Above Median	Above Median	Flat	Above Normal
Varicella (Chickenpox)	Old	33	33	0	Below Median	Below Median	Flat	Below Normal
West Nile Viral Encephalitis/Meningitis	Old	35	35	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

Disease or Condition	Rate <sup>1</sup>	Relative Rate <sup>2,3,4</sup>
<i>Anaplasma phagocytophilum</i>	4.89	27.36
Animal Bites	92.89	0.74
Campylobacteriosis	24.45	1.06
Cryptosporidiosis	14.67	2.04
Giardiasis	14.67	2.54
Hepatitis C Acute	4.89	11.40
Hepatitis C, Chronic Infection	48.89	0.58
Lyme	4.89	19.54
Pertussis	9.78	1.76
Q Fever, Acute	4.89	136.78
Rocky Mountain Spotted Fever	29.33	4.60
Salmonellosis	39.11	2.21
Shigellosis	9.78	0.69
Tb Infection	19.56	0.40
Tularemia	4.89	6.36
Varicella (Chickenpox)	4.89	1.85
West Nile Viral Encephalitis/Meningitis	4.89	34.19

<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**

**Vernon 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		0.3	0.5	0.0	0.5	0.0	0.5
Hepatitis C, Chronic Infection		0.3	1.4	0.3	1.5	0.3	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.

Weekly Communicable Disease Reports

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

(Z-Scores greater than 2.0)

**Vernon County**