

Missouri Department of Health and Senior
Services (DHSS)

Weekly Communicable Disease Report
for the

Bates County

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Weekly Communicable Disease Report

for the

Bates 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

Bates County

<i>Disease or Condition</i>	<i>Week 50 YTD¹</i>	<i>Week 49 YTD¹</i>	<i>Week 48 YTD¹</i>	<i>Five Year 1st Quartile</i>	<i>Five Year Median</i>	<i>Five Year 3rd 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 Reported²</i>	<i>Last Week Reported²</i>
Animal Bites	12	12	12	No Data	19	No Data	0.0%	(38.2%)	72.06	0.57	12	34
Campylobacteriosis	2	2	2	2	3	4	0.0%	(33.3%)	12.01	0.52	11	21
Cryptosporidiosis	3	3	3	1	1	1	0.0%	200.0%	18.01	2.50	22	45
E. Coli O157 H7	1	1	1	1	1	2	0.0%	0.0%	6.00	2.55	35	35
Ehrlichia chaffeensis	1	1	1	2	2	2	0.0%	(50.0%)	6.00	1.47	25	25
Giardiasis	1	1	1	No Data	0	No Data	0.0%	0.0%	6.00	1.04	25	25
Hepatitis C, Chronic Infection	7	7	7	11	11	11	0.0%	(36.4%)	42.03	0.50	7	46
Legionellosis	1	1	1	1	1	1	0.0%	0.0%	6.00	2.21	7	7
Rabies Post Exposure Prophylaxis	1	1	1	No Data	0	No Data	0.0%	0.0%	6.00	0.65	40	40
Rocky Mountain Spotted Fever	1	1	1	1	1	2	0.0%	0.0%	6.00	0.94	23	23
Salmonellosis	6	6	6	1	2	4	0.0%	200.0%	36.03	2.04	13	48
Strep Disease, Group A Invasive	1	1	1	No Data	0	No Data	0.0%	0.0%	6.00	2.78	1	1
Tb Infection	1	1	1	2	2	2	0.0%	(50.0%)	6.00	0.12	3	3

¹ **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.

² **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

Bates County

<i>Disease or Condition</i>	<i>Data Status</i> ^{1,2}	<i>1st Week Reported Current Report</i>	<i>1st Week Reported Last Report</i>	<i>Change in Count</i>	<i>Week 50 Quartile Results</i> ³	<i>Week 49 Quartile Results</i> ⁴	<i>Data Trend Analysis</i> ⁵	<i>Data Elevation Analysis</i> ⁶
Animal Bites	Old	12	12	0	Below Median	Below Median	Flat	Below Normal
Campylobacteriosis	Old	11	11	0	Below Median	Below Median	Flat	Below Normal
Cryptosporidiosis	Old	22	22	0	Above Maximum	Above Maximum	Flat	Very Elevated
E. Coli O157 H7	Old	35	35	0	Below Median	Below Median	Flat	Below Normal
Ehrlichia chaffeensis	Old	25	25	0	Below Median	Below Median	Flat	Below Normal
Giardiasis	Old	25	25	0	Above Median	Above Median	Flat	Above Normal
Hepatitis C, Chronic Infection	Old	7	7	0	Below Median	Below Median	Flat	Below Normal
Legionellosis	Old	7	7	0	Below Median	Below Median	Flat	Below Normal
Rabies Post Exposure Prophylaxis	Old	40	40	0	Above Median	Above Median	Flat	Above Normal
Rocky Mountain Spotted Fever	Old	23	23	0	Below Median	Below Median	Flat	Below Normal
Salmonellosis	Old	13	13	0	Above Maximum	Above Maximum	Flat	Very Elevated
Strep Disease, Group A Invasive	Old	1	1	0	Above Median	Above Median	Flat	Above Normal
Tb Infection	Old	3	3	0	Below Median	Below Median	Flat	Below Normal

¹ Data Status: Old=Continuing Occurrence in 2016, New=First Occurrence in 2016 and Out=Case was Removed from WEBSURV

² First Week Reported and/or First Occurrence of Disease or Condition in 2016

³ Week 50 Quartile Results are from the Current Report

⁴ Week 49 Quartile Results are from the Last Report

⁵ Based on Change in Count Current Report vs Last Report

⁶ Based on Quartile Analysis from Current Report where: Below Normal=below median, Above Normal= above median, Elevated=above 3rd 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> ¹	<i>Relative Rate</i> ^{2,3,4}
<i>Animal Bites</i>	72.06	0.57
<i>Campylobacteriosis</i>	12.01	0.52
<i>Cryptosporidiosis</i>	18.01	2.50
<i>E. Coli O157 H7</i>	6.00	2.55
<i>Ehrlichia chaffeensis</i>	6.00	1.47
<i>Giardiasis</i>	6.00	1.04
<i>Hepatitis C, Chronic Infection</i>	42.03	0.50
<i>Legionellosis</i>	6.00	2.21
<i>Rabies Post Exposure Prophylaxis</i>	6.00	0.65
<i>Rocky Mountain Spotted Fever</i>	6.00	0.94
<i>Salmonellosis</i>	36.03	2.04
<i>Strep Disease, Group A Invasive</i>	6.00	2.78
<i>Tb Infection</i>	6.00	0.12

¹ Rates are Year-to-Date Counts per 100,000 population for Week 50, 2016

² The relative rate is computed as the county or district rate divided by the overall state rate

³ Relative rate between 2.0 and 3.0

⁴ 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

Bates County

<i>Disease or Condition</i>	<i>Analysis Results¹</i>	<i>4-week Count Mean for Week 50²</i>	<i>Upper Limit for Week 50³</i>	<i>4-week Count Mean for Week 49²</i>	<i>Upper Limit for Week 49³</i>	<i>4-week Count Mean for Week 48²</i>	<i>Upper Limit for Week 48³</i>
Hepatitis C, Chronic Infection		0.0	0.6	0.3	0.6	0.3	0.6

¹ **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.

² **4-week Count mean based on the current and 3 previous weeks.**

³ **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.**

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