

Missouri Department of Health and Senior
Services (DHSS)

Weekly Communicable Disease Report
for the
Joplin

Missouri Department of Health and Senior Services (DHSS)

Weekly Communicable Disease Report

for the

Joplin

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

Joplin

Disease or Condition	Week 50 YTD ¹	Week 49 YTD ¹	Week 48 YTD ¹	Five Year 1 st Quartile	Five Year Median	Five Year 3 rd 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 ²	Last Week Reported ²
Animal Bites	229	229	228	No Data	180	No Data	0.0%	27.6%	503.25	3.98	2	49
Campylobacteriosis	21	21	21	3	3	7	0.0%	600.0%	46.15	2.00	4	47
Cryptosporidiosis	5	5	5	3	5	5	0.0%	0.0%	10.99	1.53	23	39
E Coli Shiga Toxin Positive	1	1	1	1	1	2	0.0%	0.0%	2.20	0.65	40	40
E. Coli O157 H7	2	2	2	1	1	1	0.0%	100.0%	4.40	1.86	12	13
Ehrlichia chaffeensis	3	3	3	2	3	4	0.0%	20.0%	6.59	1.62	19	27
Hepatitis B (Pregnancy) Prenatal	3	3	3	2	2	3	0.0%	50.0%	6.59	3.76	21	34
Hepatitis B Acute	1	1	1	1	1	2	0.0%	0.0%	2.20	3.32	4	4
Hepatitis B Chronic Infection	2	2	2	2	2	3	0.0%	0.0%	4.40	0.61	20	34
Hepatitis C, Chronic Infection	77	77	76	80	90	94	0.0%	(14.4%)	169.22	2.00	1	49
Influenza	20	19	16	No Data	35	No Data	5.3%	(43.2%)	43.95	3.24	40	50
Legionellosis	2	2	2	1	1	1	0.0%	100.0%	4.40	1.62	10	23
Rabies Post Exposure Prophylaxis	3	3	3	No Data	4	No Data	0.0%	(25.0%)	6.59	0.72	25	42
Salmonellosis	7	7	7	4	6	10	0.0%	16.7%	15.38	0.87	17	44
Strep Pneumoniae, Drug-Resistant	1	1	1	No Data	0	No Data	0.0%	0.0%	2.20	0.47	42	42
Tb Infection	35	33	32	21	32	35	6.1%	9.4%	76.92	1.55	3	50
Tuberculosis	1	1	1	1	1	4	0.0%	0.0%	2.20	1.29	34	34
Tularemia	1	1	1	1	1	1	0.0%	0.0%	2.20	2.86	29	29
Varicella (Chickenpox)	9	9	9	No Data	3	No Data	0.0%	181.3%	19.78	7.48	4	41

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**

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Disease or Condition	Data Status^{1,2}	1st Week Reported Current Report	1st Week Reported Last Report	Change in Count	Week 50 Quartile Results³	Week 49 Quartile Results⁴	Data Trend Analysis⁵	Data Elevation Analysis⁶
Animal Bites	Old	2	2	5	Above Median	Above Median	Increase	Above Normal
Campylobacteriosis	Old	4	4	-1	Above Maximum	Above Maximum	Decrease	Very Elevated
Cryptosporidiosis	Old	23	23	0	Below Median	Above Median	Flat	Below Normal
E Coli Shiga Toxin Positive	Old	40	40	0	Below Median	Below Median	Flat	Below Normal
E. Coli O157 H7	Old	12	12	0	Above Maximum	Above Maximum	Flat	Very Elevated
Ehrlichia chaffeensis	Old	19	19	0	Above Median	Above Median	Flat	Above Normal
Hepatitis B (Pregnancy) Prenatal	Old	21	21	0	Above 3 rd Quartile	Above 3 rd Quartile	Flat	Elevated
Hepatitis B Acute	Old	4	4	0	Below Median	Below Median	Flat	Below Normal
Hepatitis B Chronic Infection	Old	20	20	0	Below Median	Below Median	Flat	Below Normal
Hepatitis C, Chronic Infection	Old	1	1	1	Below Median	Below Median	Increase	Below Normal
Influenza	Old	40	40	4	Below Median	Below Median	Increase	Below Normal
Legionellosis	Old	10	10	0	Above Maximum	Above Maximum	Flat	Very Elevated
Rabies Post Exposure Prophylaxis	Old	25	25	0	Below Median	Below Median	Flat	Below Normal
Salmonellosis	Old	17	17	0	Above Median	Above Median	Flat	Above Normal
Strep Pneumoniae, Drug-Resistant	Old	42	42	0	Above Median	Above Median	Flat	Above Normal
Tb Infection	Old	3	3	4	Above Median	Below Median	Increase	Above Normal
Tuberculosis	Old	34	34	0	Below Median	Below Median	Flat	Below Normal
Tularemia	Old	29	29	0	Below Median	Below Median	Flat	Below Normal
Varicella (Chickenpox)	Old	4	4	0	Above Median	Above Median	Flat	Above 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>	503.25	3.98
<i>Campylobacteriosis</i>	46.15	2.00
<i>Cryptosporidiosis</i>	10.99	1.53
<i>E Coli Shiga Toxin Positive</i>	2.20	0.65
<i>E. Coli O157 H7</i>	4.40	1.86
<i>Ehrlichia chaffeensis</i>	6.59	1.62
<i>Hepatitis B (Pregnancy) Prenatal</i>	6.59	3.76
<i>Hepatitis B Acute</i>	2.20	3.32
<i>Hepatitis B Chronic Infection</i>	4.40	0.61
<i>Hepatitis C, Chronic Infection</i>	169.22	2.00
<i>Influenza</i>	43.95	3.24
<i>Legionellosis</i>	4.40	1.62
<i>Rabies Post Exposure Prophylaxis</i>	6.59	0.72
<i>Salmonellosis</i>	15.38	0.87
<i>Strep Pneumoniae, Drug-Resistant</i>	2.20	0.47
<i>Tb Infection</i>	76.92	1.55
<i>Tuberculosis</i>	2.20	1.29
<i>Tularemia</i>	2.20	2.86
<i>Varicella (Chickenpox)</i>	19.78	7.48

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

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<i>Disease or Condition</i>	<i>Analysis Results ¹</i>	<i>4-week Count Mean for Week 50 ²</i>	<i>Upper Limit for Week 50 ³</i>	<i>4-week Count Mean for Week 49 ²</i>	<i>Upper Limit for Week 49 ³</i>	<i>4-week Count Mean for Week 48 ²</i>	<i>Upper Limit for Week 48 ³</i>
Hepatitis C, Chronic Infection		0.3	3.0	0.3	3.1	0.3	3.2
Salmonellosis		0.0	0.7	0.0	0.7	0.0	0.7

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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