

Missouri Department of Health and Senior
Services (DHSS)

Weekly Communicable Disease Report
for the

Polk County

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for the

Polk 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**

Polk 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	32	32	32	No Data	30	No Data	0.0%	6.1%	118.55	0.94	3	46
Campylobacteriosis	8	8	7	2	4	5	0.0%	100.0%	29.64	1.28	11	49
Ehrlichia chaffeensis	3	3	3	4	5	6	0.0%	(40.0%)	11.11	2.73	19	31
Haemophilus Influenzae, Invasive	2	2	2	1	1	1	0.0%	100.0%	7.41	3.09	1	1
Hepatitis B Chronic Infection	2	2	2	1	2	3	0.0%	0.0%	7.41	1.03	3	10
Hepatitis C, Chronic Infection	24	24	23	33	33	39	0.0%	(27.3%)	88.92	1.05	7	49
Influenza	4	4	2	No Data	12	No Data	0.0%	(65.5%)	14.82	1.09	48	49
Legionellosis	4	4	4	1	1	1	0.0%	300.0%	14.82	5.46	17	44
Rabies Post Exposure Prophylaxis	3	3	3	No Data	3	No Data	0.0%	7.1%	11.11	1.21	11	22
Rocky Mountain Spotted Fever	4	4	4	1	1	2	0.0%	300.0%	14.82	2.32	34	42
Shigellosis	3	3	3	1	1	1	0.0%	200.0%	11.11	0.78	3	5
Strep Pneumoniae, Drug-Resistant	1	1	1	1	1	1	0.0%	0.0%	3.70	0.80	32	32
Tb Infection	3	3	3	6	10	10	0.0%	(70.0%)	11.11	0.22	3	34
Tularemia	2	2	2	1	1	2	0.0%	100.0%	7.41	9.64	32	42
Varicella (Chickenpox)	2	2	2	No Data	2	No Data	0.0%	0.0%	7.41	2.80	15	35

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

Polk 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	3	3	0	Above Median	Above Median	Flat	Above Normal
Campylobacteriosis	Old	11	11	0	Above Maximum	Above Maximum	Flat	Very Elevated
Ehrlichia chaffeensis	Old	19	19	0	Below Median	Below Median	Flat	Below Normal
Haemophilus Influenzae, Invasive	Old	1	1	0	Above Maximum	Above Maximum	Flat	Very Elevated
Hepatitis B Chronic Infection	Old	3	3	0	Below Median	Below Median	Flat	Below Normal
Hepatitis C, Chronic Infection	Old	7	7	0	Below Median	Below Median	Flat	Below Normal
Influenza	Old	48		4	Below Median	Below Median	Increase	Below Normal
Legionellosis	Old	17	17	1	Above Maximum	Above Maximum	Increase	Very Elevated
Rabies Post Exposure Prophylaxis	Old	11	11	0	Above Median	Above Median	Flat	Above Normal
Rocky Mountain Spotted Fever	Old	34	34	0	Above Maximum	Above Maximum	Flat	Very Elevated
Shigellosis	Old	3	3	0	Above Maximum	Above Maximum	Flat	Very Elevated
Strep Pneumoniae, Drug-Resistant	Old	32	32	0	Below Median	Below Median	Flat	Below Normal
Tb Infection	Old	3	3	0	Below Median	Below Median	Flat	Below Normal
Tularemia	Old	32	32	0	Above Median	Above Median	Flat	Above Normal
Varicella (Chickenpox)	Old	15	15	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>	118.55	0.94
<i>Campylobacteriosis</i>	29.64	1.28
<i>Ehrlichia chaffeensis</i>	11.11	2.73
<i>Haemophilus Influenzae, Invasive</i>	7.41	3.09
<i>Hepatitis B Chronic Infection</i>	7.41	1.03
<i>Hepatitis C, Chronic Infection</i>	88.92	1.05
<i>Influenza</i>	14.82	1.09
<i>Legionellosis</i>	14.82	5.46
<i>Rabies Post Exposure Prophylaxis</i>	11.11	1.21
<i>Rocky Mountain Spotted Fever</i>	14.82	2.32
<i>Shigellosis</i>	11.11	0.78
<i>Strep Pneumoniae, Drug-Resistant</i>	3.70	0.80
<i>Tb Infection</i>	11.11	0.22
<i>Tularemia</i>	7.41	9.64
<i>Varicella (Chickenpox)</i>	7.41	2.80

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

Polk County

<i>Disease or Condition</i>	<i>Analysis Results</i> ¹	<i>4-week Count Mean for Week 50</i> ²	<i>Upper Limit for Week 50</i> ³	<i>4-week Count Mean for Week 49</i> ²	<i>Upper Limit for Week 49</i> ³	<i>4-week Count Mean for Week 48</i> ²	<i>Upper Limit for Week 48</i> ³
Hepatitis C, Chronic Infection		0.3	1.4	0.3	1.5	0.0	1.5

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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