

Missouri Department of Health and Senior
Services (DHSS)

Weekly Communicable Disease Report
for the

Wayne County

Missouri Department of Health and Senior Services (DHSS)

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for the

Wayne 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**

Wayne 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	25	25	24	No Data	14	No Data	0.0%	79.6%	188.55	1.49	1	49
Campylobacteriosis	2	2	2	1	2	2	0.0%	33.3%	15.08	0.65	30	46
Ehrlichia chaffeensis	1	1	1	1	3	4	0.0%	(60.0%)	7.54	1.85	33	33
Giardiasis	1	1	1	1	1	1	0.0%	0.0%	7.54	1.31	34	34
Hepatitis C Acute	1	1	1	No Data	0	No Data	0.0%	0.0%	7.54	17.58	1	1
Hepatitis C, Chronic Infection	18	18	18	10	10	13	0.0%	80.0%	135.76	1.61	2	39
Pertussis	2	2	2	1	2	2	0.0%	33.3%	15.08	2.72	33	34
Rabies Post Exposure Prophylaxis	2	2	2	No Data	5	No Data	0.0%	(60.0%)	15.08	1.64	43	47
Rocky Mountain Spotted Fever	1	1	1	2	2	2	0.0%	(50.0%)	7.54	1.18	26	26
Salmonellosis	3	3	3	3	5	7	0.0%	(33.3%)	22.63	1.28	14	44

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

Wayne 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	1	1	0	Above Median	Above Median	Flat	Above Normal
Campylobacteriosis	Old	30	30	1	Above Median	Below Median	Increase	Above Normal
Ehrlichia chaffeensis	Old	33	33	0	Below Median	Below Median	Flat	Below Normal
Giardiasis	Old	34	34	0	Below Median	Below Median	Flat	Below Normal
Hepatitis C Acute	Old	1	1	0	Above Median	Above Median	Flat	Above Normal
Hepatitis C, Chronic Infection	Old	2	2	0	Above Maximum	Above Maximum	Flat	Very Elevated
Pertussis	Old	33	33	0	Above Median	Above Median	Flat	Above Normal
Rabies Post Exposure Prophylaxis	Old	43		2	Below Median	Below Median	Increase	Below Normal
Rocky Mountain Spotted Fever	Old	26	26	0	Below Median	Below Median	Flat	Below Normal
Salmonellosis	Old	14	14	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>	188.55	1.49
<i>Campylobacteriosis</i>	15.08	0.65
<i>Ehrlichia chaffeensis</i>	7.54	1.85
<i>Giardiasis</i>	7.54	1.31
<i>Hepatitis C Acute</i>	7.54	17.58
<i>Hepatitis C, Chronic Infection</i>	135.76	1.61
<i>Pertussis</i>	15.08	2.72
<i>Rabies Post Exposure Prophylaxis</i>	15.08	1.64
<i>Rocky Mountain Spotted Fever</i>	7.54	1.18
<i>Salmonellosis</i>	22.63	1.28

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

Wayne 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		0.0	0.7	0.0	0.8	0.0	0.8

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.

Weekly Communicable Disease Reports

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

(Z-Scores greater than 2.0)

Wayne County