

Missouri Department of Health and Senior  
Services (DHSS)

Weekly Communicable Disease Report  
for the

**Taney County**

Missouri Department of Health and Senior Services (DHSS)

**Weekly Communicable Disease Report**

for the

**Taney 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**

**Taney County**

Disease or Condition	Week 50 YTD <sup>1</sup>	Week 49 YTD <sup>1</sup>	Week 48 YTD <sup>1</sup>	Five Year 1 <sup>st</sup> Quartile	Five Year Median	Five Year 3 <sup>rd</sup> 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 <sup>2</sup>	Last Week Reported <sup>2</sup>
Animal Bites	43	43	41	No Data	51	No Data	0.0%	( 14.9%)	108.30	0.86	3	49
Campylobacteriosis	6	6	6	1	4	8	0.0%	71.4%	15.11	0.65	7	44
E Coli Shiga Toxin Positive	1	0	0	2	3	3	0.0%	( 60.0%)	2.52	0.75	50	50
Ehrlichia chaffeensis	7	7	7	2	3	5	0.0%	133.3%	17.63	4.33	19	39
Ehrlichia ewingii	1	1	1	1	1	1	0.0%	0.0%	2.52	15.66	30	30
Giardiasis	2	2	2	1	1	2	0.0%	100.0%	5.04	0.87	33	42
Hepatitis A Acute	2	2	2	No Data	0	No Data	0.0%	0.0%	5.04	18.79	8	17
Hepatitis B Chronic Infection	2	2	2	1	1	1	0.0%	100.0%	5.04	0.70	5	34
Hepatitis C, Chronic Infection	89	89	87	56	60	69	0.0%	48.3%	224.16	2.65	1	49
Influenza	30	24	13	No Data	17	No Data	25.0%	73.9%	75.56	5.56	47	50
Listeriosis	1	1	1	No Data	0	No Data	0.0%	0.0%	2.52	46.98	40	40
Rabies Post Exposure Prophylaxis	8	8	8	No Data	5	No Data	0.0%	77.8%	20.15	2.19	3	45
Rocky Mountain Spotted Fever	6	6	6	4	8	10	0.0%	( 20.0%)	15.11	2.37	21	39
Salmonellosis	9	9	9	4	4	6	0.0%	125.0%	22.67	1.28	8	46
Strep Disease, Group A Invasive	1	1	1	1	1	2	0.0%	0.0%	2.52	1.16	9	9
Strep Pneumoniae, Drug-Resistant	2	2	2	1	2	2	0.0%	33.3%	5.04	1.09	10	12
Tb Infection	12	12	12	8	9	9	0.0%	33.3%	30.22	0.61	2	46
Toxic Shock (Strep) Syndrome	1	1	1	No Data	0	No Data	0.0%	0.0%	2.52	23.49	36	36
Varicella (Chickenpox)	1	1	1	No Data	2	No Data	0.0%	( 50.0%)	2.52	0.95	40	40
Vibriosis	1	1	1	No Data	0	No Data	0.0%	0.0%	2.52	23.49	1	1

<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**

**Taney County**

<i>Disease or Condition</i>	<i>Data Status</i> <sup>1,2</sup>	<i>1<sup>st</sup> Week Reported Current Report</i>	<i>1<sup>st</sup> Week Reported Last Report</i>	<i>Change in Count</i>	<i>Week 50 Quartile Results</i> <sup>3</sup>	<i>Week 49 Quartile Results</i> <sup>4</sup>	<i>Data Trend Analysis</i> <sup>5</sup>	<i>Data Elevation Analysis</i> <sup>6</sup>
Animal Bites	Old	3	3	6	Below Median	Below Median	Increase	Below Normal
Campylobacteriosis	Old	7	7	0	Above Median	Above Median	Flat	Above Normal
E Coli Shiga Toxin Positive	New	50		1	Below Median	Below Median	Increase	Below Normal
Ehrlichia chaffeensis	Old	19	19	0	Above Maximum	Above Maximum	Flat	Very Elevated
Ehrlichia ewingii	Old	30	30	0	Below Median	Below Median	Flat	Below Normal
Giardiasis	Old	33	33	0	Above Median	Above Median	Flat	Above Normal
Hepatitis A Acute	Old	8	8	0	Above Median	Above Median	Flat	Above Normal
Hepatitis B Chronic Infection	Old	5	5	0	Above 3 <sup>rd</sup> Quartile	Above 3 <sup>rd</sup> Quartile	Flat	Elevated
Hepatitis C, Chronic Infection	Old	1	1	4	Above 3 <sup>rd</sup> Quartile	Above 3 <sup>rd</sup> Quartile	Increase	Elevated
Influenza	Old	47	47	6	Above Median	Above Median	Increase	Above Normal
Listeriosis	Old	40	40	0	Above Median	Above Median	Flat	Above Normal
Rabies Post Exposure Prophylaxis	Old	3	3	1	Above Median	Above Median	Increase	Above Normal
Rocky Mountain Spotted Fever	Old	21	21	0	Below Median	Below Median	Flat	Below Normal
Salmonellosis	Old	8	8	0	Above Maximum	Above Maximum	Flat	Very Elevated
Strep Disease, Group A Invasive	Old	9	9	0	Below Median	Below Median	Flat	Below Normal
Strep Pneumoniae, Drug-Resistant	Old	10	10	0	Above Median	Above Median	Flat	Above Normal
Tb Infection	Old	2	2	0	Above 3 <sup>rd</sup> Quartile	Above 3 <sup>rd</sup> Quartile	Flat	Elevated
Toxic Shock (Strep) Syndrome	Old	36	36	0	Above Median	Above Median	Flat	Above Normal
Varicella (Chickenpox)	Old	40	40	0	Below Median	Below Median	Flat	Below Normal
Vibriosis	Old	1	1	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**

<i>Disease or Condition</i>	<i>Rate</i> <sup>1</sup>	<i>Relative Rate</i> <sup>2,3,4</sup>
<i>Animal Bites</i>	108.30	0.86
<i>Campylobacteriosis</i>	15.11	0.65
<i>E Coli Shiga Toxin Positive</i>	2.52	0.75
<i>Ehrlichia chaffeensis</i>	17.63	4.33
<i>Ehrlichia ewingii</i>	2.52	15.66
<i>Giardiasis</i>	5.04	0.87
<i>Hepatitis A Acute</i>	5.04	18.79
<i>Hepatitis B Chronic Infection</i>	5.04	0.70
<i>Hepatitis C, Chronic Infection</i>	224.16	2.65
<i>Influenza</i>	75.56	5.56
<i>Listeriosis</i>	2.52	46.98
<i>Rabies Post Exposure Prophylaxis</i>	20.15	2.19
<i>Rocky Mountain Spotted Fever</i>	15.11	2.37
<i>Salmonellosis</i>	22.67	1.28
<i>Strep Disease, Group A Invasive</i>	2.52	1.16
<i>Strep Pneumoniae, Drug-Resistant</i>	5.04	1.09
<i>Tb Infection</i>	30.22	0.61
<i>Toxic Shock (Strep) Syndrome</i>	2.52	23.49
<i>Varicella (Chickenpox)</i>	2.52	0.95
<i>Vibriosis</i>	2.52	23.49

<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**

**Taney 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>
Hepatitis C, Chronic Infection		0.5	2.6	1.0	2.7	1.5	2.8
Rocky Mountain Spotted Fever		0.0	0.4	0.0	0.4	0.0	0.5

<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)

**Taney County**