

Missouri Department of Health and Senior  
Services (DHSS)

Weekly Communicable Disease Report  
for the

**Wright County**

Missouri Department of Health and Senior Services (DHSS)

**Weekly Communicable Disease Report**

for the

**Wright 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**

**Wright County**

<i>Disease or Condition</i>	<i>Week 50 YTD<sup>1</sup></i>	<i>Week 49 YTD<sup>1</sup></i>	<i>Week 48 YTD<sup>1</sup></i>	<i>Five Year 1<sup>st</sup> Quartile</i>	<i>Five Year Median</i>	<i>Five Year 3<sup>rd</sup> 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 Reported<sup>2</sup></i>	<i>Last Week Reported<sup>2</sup></i>
E Coli Shiga Toxin Positive	1	1	1	1	2	3	0.0%	( 50.0%)	5.57	1.65	34	34
E. Coli O157 H7	2	2	2	1	2	2	0.0%	0.0%	11.14	4.72	35	47
Ehrlichia chaffeensis	1	1	1	1	2	2	0.0%	( 33.3%)	5.57	1.37	35	35
Hepatitis B Chronic Infection	1	1	1	1	2	3	0.0%	( 33.3%)	5.57	0.78	12	12
Hepatitis C, Chronic Infection	15	15	15	12	14	21	0.0%	7.1%	83.54	0.99	1	46
Meningococcal Disease	1	1	1	No Data	0	No Data	0.0%	0.0%	5.57	77.91	25	25
Rabies Animal	1	1	1	No Data	0	No Data	0.0%	0.0%	5.57	11.99	26	26
Rocky Mountain Spotted Fever	3	3	3	2	2	2	0.0%	50.0%	16.71	2.62	30	34
Salmonellosis	2	2	2	3	4	5	0.0%	( 50.0%)	11.14	0.63	21	21

<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**

**Wright 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>
E Coli Shiga Toxin Positive	Old	34	34	0	Below Median	Below Median	Flat	Below Normal
E. Coli O157 H7	Old	35	35	0	Below Median	Below Median	Flat	Below Normal
Ehrlichia chaffeensis	Old	35	35	0	Below Median	Below Median	Flat	Below Normal
Hepatitis B Chronic Infection	Old	12	12	0	Below Median	Below Median	Flat	Below Normal
Hepatitis C, Chronic Infection	Old	1	1	0	Above Median	Above Median	Flat	Above Normal
Meningococcal Disease	Old	25	25	0	Above Median	Above Median	Flat	Above Normal
Rabies Animal	Old	26	26	0	Above Median	Above Median	Flat	Above Normal
Rocky Mountain Spotted Fever	Old	30	30	0	Above Maximum	Above Maximum	Flat	Very Elevated
Salmonellosis	Old	21	21	0	Below Median	Below Median	Flat	Below 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>E Coli Shiga Toxin Positive</i>	5.57	1.65
<i>E. Coli O157 H7</i>	11.14	4.72
<i>Ehrlichia chaffeensis</i>	5.57	1.37
<i>Hepatitis B Chronic Infection</i>	5.57	0.78
<i>Hepatitis C, Chronic Infection</i>	83.54	0.99
<i>Meningococcal Disease</i>	5.57	77.91
<i>Rabies Animal</i>	5.57	11.99
<i>Rocky Mountain Spotted Fever</i>	16.71	2.62
<i>Salmonellosis</i>	11.14	0.63

<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

**Wright 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		0.0	1.0	0.3	1.0	0.3	1.0

<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)

**Wright County**