

Missouri Department of Health and Senior  
Services (DHSS)

Weekly Communicable Disease Report  
for the

**Scott County**

Missouri Department of Health and Senior Services (DHSS)

**Weekly Communicable Disease Report**

for the

**Scott 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**

**Scott 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>
Animal Bites	32	31	31	No Data	22	No Data	3.2%	43.3%	79.16	0.63	1	50
Campylobacteriosis	9	9	9	14	14	16	0.0%	( 35.7%)	22.27	0.96	3	44
Cryptosporidiosis	3	3	3	1	1	1	0.0%	200.0%	7.42	1.03	33	47
E Coli Shiga Toxin Positive	2	2	2	1	1	3	0.0%	100.0%	4.95	1.46	10	33
E. Coli O157 H7	2	2	2	1	1	1	0.0%	100.0%	4.95	2.10	34	37
Ehrlichia chaffeensis	2	2	2	1	1	1	0.0%	100.0%	4.95	1.21	24	28
Giardiasis	2	2	2	1	2	2	0.0%	0.0%	4.95	0.86	16	17
Haemophilus Influenzae, Invasive	2	2	2	1	1	1	0.0%	100.0%	4.95	2.07	11	14
Hepatitis B Chronic Infection	3	3	3	2	2	2	0.0%	50.0%	7.42	1.04	2	11
Hepatitis C, Chronic Infection	28	28	28	29	38	40	0.0%	( 26.3%)	69.27	0.82	1	47
Pertussis	1	1	1	1	2	3	0.0%	( 50.0%)	2.47	0.45	44	44
Rocky Mountain Spotted Fever	1	1	1	1	1	1	0.0%	0.0%	2.47	0.39	28	28
Salmonellosis	23	23	23	11	14	15	0.0%	64.3%	56.90	3.22	18	46
Shigellosis	3	3	3	4	23	41	0.0%	( 86.7%)	7.42	0.52	33	48
Strep Disease, Group A Invasive	1	1	1	1	1	1	0.0%	0.0%	2.47	1.14	13	13
Strep Pneumoniae, Drug-Resistant	2	2	2	1	2	3	0.0%	33.3%	4.95	1.07	16	22
Tb Infection	9	9	9	2	4	6	0.0%	125.0%	22.27	0.45	12	46
Tuberculosis	1	1	1	1	1	1	0.0%	0.0%	2.47	1.46	6	6
Varicella (Chickenpox)	1	1	1	No Data	2	No Data	0.0%	( 50.0%)	2.47	0.94	22	22

<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**

**Scott 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	1	1	1	Above Median	Above Median	Increase	Above Normal
Campylobacteriosis	Old	3	3	0	Below Median	Below Median	Flat	Below Normal
Cryptosporidiosis	Old	33	33	1	Above Maximum	Above Maximum	Increase	Very Elevated
E Coli Shiga Toxin Positive	Old	10	10	0	Above Median	Above Median	Flat	Above Normal
E. Coli O157 H7	Old	34	34	0	Above Maximum	Above Maximum	Flat	Very Elevated
Ehrlichia chaffeensis	Old	24	24	0	Above Maximum	Above Maximum	Flat	Very Elevated
Giardiasis	Old	16	16	0	Below Median	Below Median	Flat	Below Normal
Haemophilus Influenzae, Invasive	Old	11	11	0	Above Maximum	Above Maximum	Flat	Very Elevated
Hepatitis B Chronic Infection	Old	2	2	0	Above Maximum	Above Maximum	Flat	Very Elevated
Hepatitis C, Chronic Infection	Old	1	1	0	Below Median	Below Median	Flat	Below Normal
Pertussis	Old	44	44	0	Below Median	Below Median	Flat	Below Normal
Rocky Mountain Spotted Fever	Old	28	28	0	Below Median	Below Median	Flat	Below Normal
Salmonellosis	Old	18	18	0	Above Maximum	Above Maximum	Flat	Very Elevated
Shigellosis	Old	33	33	0	Below Median	Below Median	Flat	Below Normal
Strep Disease, Group A Invasive	Old	13	13	0	Below Median	Below Median	Flat	Below Normal
Strep Pneumoniae, Drug-Resistant	Old	16	16	0	Above Median	Above Median	Flat	Above Normal
Tb Infection	Old	12	12	0	Above Maximum	Above Maximum	Flat	Very Elevated
Tuberculosis	Old	6	6	0	Below Median	Below Median	Flat	Below Normal
Varicella (Chickenpox)	Old	22	22	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>Animal Bites</i>	79.16	0.63
<i>Campylobacteriosis</i>	22.27	0.96
<i>Cryptosporidiosis</i>	7.42	1.03
<i>E Coli Shiga Toxin Positive</i>	4.95	1.46
<i>E. Coli O157 H7</i>	4.95	2.10
<i>Ehrlichia chaffeensis</i>	4.95	1.21
<i>Giardiasis</i>	4.95	0.86
<i>Haemophilus Influenzae, Invasive</i>	4.95	2.07
<i>Hepatitis B Chronic Infection</i>	7.42	1.04
<i>Hepatitis C, Chronic Infection</i>	69.27	0.82
<i>Pertussis</i>	2.47	0.45
<i>Rocky Mountain Spotted Fever</i>	2.47	0.39
<i>Salmonellosis</i>	56.90	3.22
<i>Shigellosis</i>	7.42	0.52
<i>Strep Disease, Group A Invasive</i>	2.47	1.14
<i>Strep Pneumoniae, Drug-Resistant</i>	4.95	1.07
<i>Tb Infection</i>	22.27	0.45
<i>Tuberculosis</i>	2.47	1.46
<i>Varicella (Chickenpox)</i>	2.47	0.94

<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**

**Scott 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>
Campylobacteriosis		0.0	0.6	0.0	0.7	0.0	0.8
Hepatitis C, Chronic Infection		0.3	1.5	0.5	1.7	0.5	1.7
Salmonellosis		0.0	1.1	0.3	1.2	0.5	1.3

<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)

**Scott County**