

Missouri Department of Health and Senior  
Services (DHSS)

Weekly Communicable Disease Report  
for the

**Douglas County**

Missouri Department of Health and Senior Services (DHSS)

**Weekly Communicable Disease Report**

for the

**Douglas 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**

**Douglas 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	14	14	14	No Data	16	No Data	0.0%	( 13.8%)	107.00	0.85	5	42
Campylobacteriosis	2	2	2	2	2	2	0.0%	0.0%	15.29	0.66	28	36
Cryptosporidiosis	1	1	1	1	1	3	0.0%	0.0%	7.64	1.06	30	30
E Coli Shiga Toxin Positive	3	3	3	1	1	1	0.0%	200.0%	22.93	6.79	20	46
Ehrlichia chaffeensis	2	2	2	1	1	2	0.0%	100.0%	15.29	3.75	28	35
Giardiasis	1	1	1	1	1	4	0.0%	0.0%	7.64	1.32	19	19
Hepatitis C, Chronic Infection	9	9	7	7	9	12	0.0%	0.0%	68.79	0.81	2	49
Influenza	1	1	0	No Data	3	No Data	0.0%	( 66.7%)	7.64	0.56	49	49
Legionellosis	1	1	1	No Data	0	No Data	0.0%	0.0%	7.64	2.81	46	46
Pertussis	6	6	6	3	3	3	0.0%	100.0%	45.86	8.28	38	41
Salmonellosis	1	1	1	1	2	6	0.0%	( 50.0%)	7.64	0.43	29	29
Strep Pneumoniae, Drug-Resistant	1	1	1	1	1	2	0.0%	0.0%	7.64	1.65	23	23
Tb Infection	1	1	1	1	2	2	0.0%	( 33.3%)	7.64	0.15	2	2

<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**

**Douglas 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	5	5	0	Below Median	Below Median	Flat	Below Normal
Campylobacteriosis	Old	28	28	0	Below Median	Below Median	Flat	Below Normal
Cryptosporidiosis	Old	30	30	0	Below Median	Below Median	Flat	Below Normal
E Coli Shiga Toxin Positive	Old	20	20	0	Above Maximum	Above Maximum	Flat	Very Elevated
Ehrlichia chaffeensis	Old	28	28	0	Above Median	Above Median	Flat	Above Normal
Giardiasis	Old	19	19	0	Below Median	Below Median	Flat	Below Normal
Hepatitis C, Chronic Infection	Old	2	2	2	Below Median	Below Median	Increase	Below Normal
Influenza	Old	49	49	0	Below Median	Below Median	Flat	Below Normal
Legionellosis	Old	46		1	Above Median	Below Median	Increase	Above Normal
Pertussis	Old	38	38	0	Above Maximum	Above Maximum	Flat	Very Elevated
Salmonellosis	Old	29	29	0	Below Median	Below Median	Flat	Below Normal
Strep Pneumoniae, Drug-Resistant	Old	23	23	0	Below Median	Below Median	Flat	Below Normal
Tb Infection	Old	2	2	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>	107.00	0.85
<i>Campylobacteriosis</i>	15.29	0.66
<i>Cryptosporidiosis</i>	7.64	1.06
<i>E Coli Shiga Toxin Positive</i>	22.93	6.79
<i>Ehrlichia chaffeensis</i>	15.29	3.75
<i>Giardiasis</i>	7.64	1.32
<i>Hepatitis C, Chronic Infection</i>	68.79	0.81
<i>Influenza</i>	7.64	0.56
<i>Legionellosis</i>	7.64	2.81
<i>Pertussis</i>	45.86	8.28
<i>Salmonellosis</i>	7.64	0.43
<i>Strep Pneumoniae, Drug-Resistant</i>	7.64	1.65
<i>Tb Infection</i>	7.64	0.15

<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**

**Douglas 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	0.7	0.5	0.8	0.0	0.8

<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.**

***Douglas County***