

Missouri Department of Health and Senior  
Services (DHSS)

Weekly Communicable Disease Report  
for the

**Callaway County**

Missouri Department of Health and Senior Services (DHSS)

**Weekly Communicable Disease Report**

for the

**Callaway 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**

**Callaway County**

<b>Disease or Condition</b>	<b>Week 50 YTD<sup>1</sup></b>	<b>Week 49 YTD<sup>1</sup></b>	<b>Week 48 YTD<sup>1</sup></b>	<b>Five Year 1<sup>st</sup> Quartile</b>	<b>Five Year Median</b>	<b>Five Year 3<sup>rd</sup> Quartile</b>	<b>Change from Week 49 to Week 50</b>	<b>Change from Week 50 to 5-Year Median</b>	<b>Rate per 100,000 Week 50</b>	<b>Relative Rate Week 50</b>	<b>First Week Reported<sup>2</sup></b>	<b>Last Week Reported<sup>2</sup></b>
Animal Bites	38	38	38	No Data	38	No Data	0.0%	0.2%	93.21	0.74	4	46
Campylobacteriosis	12	11	11	5	5	7	9.1%	140.0%	29.44	1.27	8	50
Cryptosporidiosis	7	7	6	1	2	3	0.0%	250.0%	17.17	2.38	20	49
E. Coli O157 H7	2	2	2	1	1	4	0.0%	100.0%	4.91	2.08	32	37
Ehrlichia chaffeensis	3	3	3	1	2	4	0.0%	50.0%	7.36	1.81	25	42
Giardiasis	1	1	1	1	2	3	0.0%	( 50.0%)	2.45	0.42	38	38
Haemophilus Influenzae, Invasive	1	1	1	1	2	2	0.0%	( 33.3%)	2.45	1.02	21	21
Hepatitis B (Pregnancy) Prenatal	1	1	1	1	1	1	0.0%	0.0%	2.45	1.40	34	34
Hepatitis B Acute	1	1	1	1	1	1	0.0%	0.0%	2.45	3.71	47	47
Hepatitis B Chronic Infection	2	2	2	2	4	4	0.0%	( 50.0%)	4.91	0.68	5	42
Hepatitis C, Chronic Infection	37	37	37	15	26	90	0.0%	42.3%	90.76	1.07	1	45
Influenza	3	2	1	No Data	67	No Data	50.0%	( 95.5%)	7.36	0.54	41	50
Legionellosis	1	1	1	1	1	1	0.0%	0.0%	2.45	0.90	44	44
Mumps	1	1	0	No Data	0	No Data	0.0%	0.0%	2.45	0.82	49	49
Pertussis	1	1	1	1	6	6	0.0%	( 83.3%)	2.45	0.44	2	2
Rabies Post Exposure Prophylaxis	4	4	4	No Data	4	No Data	0.0%	11.1%	9.81	1.07	14	40
Rocky Mountain Spotted Fever	10	10	10	2	4	4	0.0%	150.0%	24.53	3.84	19	37
Salmonellosis	7	7	7	6	7	9	0.0%	0.0%	17.17	0.97	7	48
Shigellosis	3	3	3	1	4	7	0.0%	( 25.0%)	7.36	0.52	20	45
Strep Disease, Group A Invasive	2	2	2	1	2	4	0.0%	0.0%	4.91	2.27	6	22
Strep Pneumoniae, Drug-Resistant	1	1	1	1	1	1	0.0%	0.0%	2.45	0.53	20	20
Tb Infection	11	11	11	11	16	17	0.0%	( 31.3%)	26.98	0.55	1	44
Tuberculosis	1	1	1	1	1	1	0.0%	0.0%	2.45	1.44	9	9
Tularemia	2	2	2	1	1	1	0.0%	100.0%	4.91	6.38	29	31
Varicella (Chickenpox)	4	4	4	No Data	2	No Data	0.0%	77.8%	9.81	3.71	35	44
Yersiniosis	1	1	1	1	1	1	0.0%	0.0%	2.45	5.28	23	23

<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**  
**Callaway 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	4	4	0	Above Median	Above Median	Flat	Above Normal
Campylobacteriosis	Old	8	8	1	Above Maximum	Above Maximum	Increase	Very Elevated
Cryptosporidiosis	Old	20	20	0	Above Maximum	Above Maximum	Flat	Very Elevated
E. Coli O157 H7	Old	32	32	0	Above Median	Above Median	Flat	Above Normal
Ehrlichia chaffeensis	Old	25	25	0	Above Median	Above Median	Flat	Above Normal
Giardiasis	Old	38	38	0	Below Median	Below Median	Flat	Below Normal
Haemophilus Influenzae, Invasive	Old	21	21	0	Below Median	Below Median	Flat	Below Normal
Hepatitis B (Pregnancy) Prenatal	Old	34	34	0	Below Median	Below Median	Flat	Below Normal
Hepatitis B Acute	Old	47	47	0	Below Median	Below Median	Flat	Below Normal
Hepatitis B Chronic Infection	Old	5	5	0	Below Median	Below Median	Flat	Below Normal
Hepatitis C, Chronic Infection	Old	1	1	0	Above Median	Above Median	Flat	Above Normal
Influenza	Old	41	41	1	Below Median	Below Median	Increase	Below Normal
Legionellosis	Old	44	44	0	Below Median	Below Median	Flat	Below Normal
Mumps	Old	49	49	0	Above Median	Above Median	Flat	Above Normal
Pertussis	Old	2	2	0	Below Median	Below Median	Flat	Below Normal
Rabies Post Exposure Prophylaxis	Old	14	14	0	Above Median	Above Median	Flat	Above Normal
Rocky Mountain Spotted Fever	Old	19	19	0	Above Maximum	Above Maximum	Flat	Very Elevated
Salmonellosis	Old	7	7	0	Below Median	Above Median	Flat	Below Normal
Shigellosis	Old	20	20	0	Below Median	Below Median	Flat	Below Normal
Strep Disease, Group A Invasive	Old	6	6	0	Below Median	Below Median	Flat	Below Normal
Strep Pneumoniae, Drug-Resistant	Old	20	20	0	Below Median	Below Median	Flat	Below Normal
Tb Infection	Old	1	1	0	Below Median	Below Median	Flat	Below Normal
Tuberculosis	Old	9	9	0	Below Median	Below Median	Flat	Below Normal
Tularemia	Old	29	29	0	Above Maximum	Above Maximum	Flat	Very Elevated
Varicella (Chickenpox)	Old	35	35	0	Above Median	Above Median	Flat	Above Normal
Yersiniosis	Old	23	23	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>	93.21	0.74
<i>Campylobacteriosis</i>	29.44	1.27
<i>Cryptosporidiosis</i>	17.17	2.38
<i>E. Coli O157 H7</i>	4.91	2.08
<i>Ehrlichia chaffeensis</i>	7.36	1.81
<i>Giardiasis</i>	2.45	0.42
<i>Haemophilus Influenzae, Invasive</i>	2.45	1.02
<i>Hepatitis B (Pregnancy) Prenatal</i>	2.45	1.40
<i>Hepatitis B Acute</i>	2.45	3.71
<i>Hepatitis B Chronic Infection</i>	4.91	0.68
<i>Hepatitis C, Chronic Infection</i>	90.76	1.07
<i>Influenza</i>	7.36	0.54
<i>Legionellosis</i>	2.45	0.90
<i>Mumps</i>	2.45	0.82
<i>Pertussis</i>	2.45	0.44
<i>Rabies Post Exposure Prophylaxis</i>	9.81	1.07
<i>Rocky Mountain Spotted Fever</i>	24.53	3.84
<i>Salmonellosis</i>	17.17	0.97
<i>Shigellosis</i>	7.36	0.52
<i>Strep Disease, Group A Invasive</i>	4.91	2.27
<i>Strep Pneumoniae, Drug-Resistant</i>	2.45	0.53
<i>Tb Infection</i>	26.98	0.55
<i>Tuberculosis</i>	2.45	1.44
<i>Tularemia</i>	4.91	6.38
<i>Varicella (Chickenpox)</i>	9.81	3.71
<i>Yersiniosis</i>	2.45	5.28

<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**

**Callaway 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	2.0	0.0	2.1	0.3	2.2
Salmonellosis		0.3	0.4	0.3	0.4	0.3	0.6

<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.

***Callaway County***