

Missouri Department of Health and Senior  
Services (DHSS)

Weekly Communicable Disease Report  
for the

**Troop G Total**

Missouri Department of Health and Senior Services (DHSS)

**Weekly Communicable Disease Report**

for the

**Troop G Total**

**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**

**Troop G Total**

<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	142	139	137	No Data	121	No Data	2.2%	17.0%	107.48	0.85	1	51
Campylobacteriosis	63	62	62	24	33	33	1.6%	90.9%	47.68	2.06	1	50
Cryptosporidiosis	13	13	13	2	3	6	0.0%	333.3%	9.84	1.37	6	45
Cyclosporiasis	1	1	1	No Data	0	No Data	0.0%	0.0%	0.76	1.92	28	28
E Coli Shiga Toxin Positive	7	7	7	2	4	5	0.0%	75.0%	5.30	1.57	3	46
E. Coli O157 H7	6	6	6	3	5	7	0.0%	20.0%	4.54	1.92	24	47
Ehrlichia chaffeensis	34	34	32	19	19	22	0.0%	78.9%	25.73	6.32	18	49
Giardiasis	12	12	12	6	6	8	0.0%	100.0%	9.08	1.57	5	44
Haemophilus Influenzae, Invasive	3	3	3	2	2	3	0.0%	50.0%	2.27	0.95	7	35
Hepatitis B Acute	2	2	2	1	2	2	0.0%	0.0%	1.51	2.29	21	35
Hepatitis B Chronic Infection	6	6	6	7	8	11	0.0%	( 25.0%)	4.54	0.63	3	40
Hepatitis C, Chronic Infection	123	123	120	129	158	159	0.0%	( 22.2%)	93.10	1.10	1	49
Influenza	13	12	9	No Data	27	No Data	8.3%	( 52.2%)	9.84	0.72	40	50
Legionellosis	2	2	2	3	3	5	0.0%	( 33.3%)	1.51	0.56	38	46
Meningococcal Disease	1	1	1	No Data	0	No Data	0.0%	0.0%	0.76	10.59	25	25
Mumps	1	1	0	1	1	1	0.0%	0.0%	0.76	0.25	49	49
Pertussis	9	9	9	4	7	18	0.0%	28.6%	6.81	1.23	2	41
Rabies Animal	7	7	7	6	10	11	0.0%	( 30.0%)	5.30	11.40	6	29
Rabies Post Exposure Prophylaxis	71	69	69	No Data	25	No Data	2.9%	188.6%	53.74	5.84	3	50
Rocky Mountain Spotted Fever	70	70	70	28	30	36	0.0%	133.3%	52.98	8.30	6	48
Salmonellosis	25	25	25	19	24	29	0.0%	4.2%	18.92	1.07	12	43
Shigellosis	3	3	3	2	2	2	0.0%	50.0%	2.27	0.16	22	22
Strep Pneumoniae, Drug-Resistant	8	8	8	4	5	11	0.0%	60.0%	6.06	1.31	2	48
Tb Infection	25	25	25	22	23	26	0.0%	8.7%	18.92	0.38	2	46
Tuberculosis	1	1	1	1	2	2	0.0%	( 50.0%)	0.76	0.45	9	9
Tularemia	5	5	5	3	4	6	0.0%	42.9%	3.78	4.92	28	42
Varicella (Chickenpox)	2	1	1	No Data	4	No Data	100.0%	( 52.4%)	1.51	0.57	43	50

<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**

**Troop G Total**

<b>Disease or Condition</b>	<b>Data Status<sup>1,2</sup></b>	<b>1<sup>st</sup> Week Reported Current Report</b>	<b>1<sup>st</sup> Week Reported Last Report</b>	<b>Change in Count</b>	<b>Week 50 Quartile Results<sup>3</sup></b>	<b>Week 49 Quartile Results<sup>4</sup></b>	<b>Data Trend Analysis<sup>5</sup></b>	<b>Data Elevation Analysis<sup>6</sup></b>
Animal Bites	Old	1	1	4	Above Median	Above Median	Increase	Above Normal
Campylobacteriosis	Old	1	1	0	Above Maximum	Above Maximum	Flat	Very Elevated
Cryptosporidiosis	Old	6	6	0	Above Maximum	Above Maximum	Flat	Very Elevated
Cyclosporiasis	Old	28	28	0	Above Median	Above Median	Flat	Above Normal
E Coli Shiga Toxin Positive	Old	3	3	0	Above 3 <sup>rd</sup> Quartile	Above 3 <sup>rd</sup> Quartile	Flat	Elevated
E. Coli O157 H7	Old	24	24	0	Above Median	Above Median	Flat	Above Normal
Ehrlichia chaffeensis	Old	18	18	3	Above Maximum	Above Maximum	Increase	Very Elevated
Giardiasis	Old	5	5	1	Above Maximum	Above 3 <sup>rd</sup> Quartile	Increase	Very Elevated
Haemophilus Influenzae, Invasive	Old	7	7	0	Above Median	Above Median	Flat	Above Normal
Hepatitis B Acute	Old	21	21	0	Below Median	Below Median	Flat	Below Normal
Hepatitis B Chronic Infection	Old	3	3	0	Below Median	Below Median	Flat	Below Normal
Hepatitis C, Chronic Infection	Old	1	1	4	Below Median	Below Median	Increase	Below Normal
Influenza	Old	40	40	3	Below Median	Below Median	Increase	Below Normal
Legionellosis	Old	38	38	1	Below Median	Below Median	Increase	Below Normal
Meningococcal Disease	Old	25	25	0	Above Median	Above Median	Flat	Above Normal
Mumps	Old	49		1	Below Median	Below Median	Increase	Below Normal
Pertussis	Old	2	2	0	Above Median	Above Median	Flat	Above Normal
Rabies Animal	Old	6	6	0	Below Median	Below Median	Flat	Below Normal
Rabies Post Exposure Prophylaxis	Old	3	3	6	Above Median	Above Median	Increase	Above Normal
Rocky Mountain Spotted Fever	Old	6	6	7	Above Maximum	Above Maximum	Increase	Very Elevated
Salmonellosis	Old	12	12	0	Above Median	Above Median	Flat	Above Normal
Shigellosis	Old	22	22	0	Above Maximum	Above Maximum	Flat	Very Elevated

<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 for Week 50, 2016  
 Disease or Condition Analysis  
 Relative to Last Report run on 12/13/2016 for Week 49, 2016

**Troop G Total**

Disease or Condition	Data Status <sup>1,2</sup>	1 <sup>st</sup> Week Reported Current Report	1 <sup>st</sup> Week Reported Last Report	Change in Count	Week 50 Quartile Results <sup>3</sup>	Week 49 Quartile Results <sup>4</sup>	Data Trend Analysis <sup>5</sup>	Data Elevation Analysis <sup>6</sup>
Strep Pneumoniae, Drug-Resistant	Old	2	2	0	Above Median	Above Median	Flat	Above Normal
Tb Infection	Old	2	2	0	Above Median	Above Median	Flat	Above Normal
Tuberculosis	Old	9	9	0	Below Median	Below Median	Flat	Below Normal
Tularemia	Old	28	28	0	Above Median	Above Median	Flat	Above Normal
Varicella (Chickenpox)	Old	43	43	1	Below Median	Below Median	Increase	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>	107.48	0.85
<i>Campylobacteriosis</i>	47.68	2.06
<i>Cryptosporidiosis</i>	9.84	1.37
<i>Cyclosporiasis</i>	0.76	1.92
<i>E Coli Shiga Toxin Positive</i>	5.30	1.57
<i>E. Coli O157 H7</i>	4.54	1.92
<i>Ehrlichia chaffeensis</i>	25.73	6.32
<i>Giardiasis</i>	9.08	1.57
<i>Haemophilus Influenzae, Invasive</i>	2.27	0.95
<i>Hepatitis B Acute</i>	1.51	2.29
<i>Hepatitis B Chronic Infection</i>	4.54	0.63
<i>Hepatitis C, Chronic Infection</i>	93.10	1.10
<i>Influenza</i>	9.84	0.72
<i>Legionellosis</i>	1.51	0.56
<i>Meningococcal Disease</i>	0.76	10.59
<i>Mumps</i>	0.76	0.25
<i>Pertussis</i>	6.81	1.23
<i>Rabies Animal</i>	5.30	11.40
<i>Rabies Post Exposure Prophylaxis</i>	53.74	5.84
<i>Rocky Mountain Spotted Fever</i>	52.98	8.30
<i>Salmonellosis</i>	18.92	1.07
<i>Shigellosis</i>	2.27	0.16
<i>Strep Pneumoniae, Drug-Resistant</i>	6.06	1.31
<i>Tb Infection</i>	18.92	0.38
<i>Tuberculosis</i>	0.76	0.45
<i>Tularemia</i>	3.78	4.92
<i>Varicella (Chickenpox)</i>	1.51	0.57

<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**

**Troop G Total**

<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		0.8	1.4	0.8	1.4	1.3	1.4
Ehrlichia chaffeensis		0.5	0.3	0.5	0.3	0.5	0.4
Hepatitis B Chronic Infection		0.0	0.6	0.0	0.6	0.0	0.6
Hepatitis C, Chronic Infection		1.3	4.7	1.5	4.8	1.0	4.9
Mumps		0.3	0.1	0.3	0.1	0.0	.
Rabies Animal		0.0	0.6	0.0	0.6	0.0	0.6
Rocky Mountain Spotted Fever		0.5	0.3	0.5	0.5	1.0	0.7
Salmonellosis		0.0	0.8	0.0	0.8	0.0	0.8
Strep Pneumoniae, Drug-Resistant		0.3	0.8	0.3	0.7	0.3	0.6
Tularemia		0.0	0.3	0.0	0.3	0.0	0.3

<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.

**Troop G Total**

