

Missouri Department of Health and Senior  
Services (DHSS)

Weekly Communicable Disease Report  
for the

**Troop B Total**

Missouri Department of Health and Senior Services (DHSS)

**Weekly Communicable Disease Report**

for the

**Troop B 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 B 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	292	290	286	No Data	250	No Data	0.7%	17.0%	157.43	1.25	1	51
Campylobacteriosis	38	38	37	21	22	25	0.0%	72.7%	20.49	0.89	1	49
Creutzfeldt-Jakob Disease (CJD)	1	1	1	1	1	1	0.0%	0.0%	0.54	3.02	9	9
Cryptosporidiosis	13	13	13	2	8	9	0.0%	62.5%	7.01	0.97	8	47
E Coli Shiga Toxin Positive	1	1	1	3	4	5	0.0%	( 75.0%)	0.54	0.16	20	20
E. Coli O157 H7	25	25	25	2	3	5	0.0%	733.3%	13.48	5.71	32	46
Ehrlichia chaffeensis	6	6	6	7	7	11	0.0%	( 14.3%)	3.23	0.79	14	35
Giardiasis	8	8	8	6	7	9	0.0%	14.3%	4.31	0.75	7	46
Haemophilus Influenzae, Invasive	3	3	3	1	4	5	0.0%	( 25.0%)	1.62	0.68	6	47
Hemolytic Uremic Syndrome	2	2	2	1	1	1	0.0%	100.0%	1.08	3.35	40	42
Hepatitis B Chronic Infection	10	10	10	4	6	6	0.0%	66.7%	5.39	0.75	2	45
Hepatitis C, Chronic Infection	110	109	107	79	79	96	0.9%	39.2%	59.30	0.70	1	50
Influenza	20	18	17	No Data	142	No Data	11.1%	( 85.9%)	10.78	0.79	40	50
Legionellosis	1	1	1	1	3	3	0.0%	( 66.7%)	0.54	0.20	46	46
Listeriosis	1	1	1	1	1	1	0.0%	0.0%	0.54	10.06	39	39
Pertussis	6	5	5	2	4	7	20.0%	50.0%	3.23	0.58	45	50
Rabies Animal	2	2	2	1	1	1	0.0%	100.0%	1.08	2.32	20	34
Rabies Post Exposure Prophylaxis	30	30	30	No Data	22	No Data	0.0%	33.9%	16.17	1.76	2	48
Rocky Mountain Spotted Fever	23	23	23	11	13	14	0.0%	76.9%	12.40	1.94	7	44
Salmonellosis	25	25	25	19	28	29	0.0%	( 10.7%)	13.48	0.76	1	47
Shiga Toxin + (Non E. Coli/Unknown Organism)	1	1	1	No Data	0	No Data	0.0%	0.0%	0.54	2.74	43	43
Shigellosis	63	63	60	1	1	1	0.0%	6200.0%	33.97	2.38	20	49
Strep Disease, Group A Invasive	2	2	2	4	6	7	0.0%	( 66.7%)	1.08	0.50	9	37
Strep Pneumoniae, Drug-Resistant	3	3	3	1	1	2	0.0%	200.0%	1.62	0.35	22	42
Tb Infection	30	30	28	26	27	32	0.0%	11.1%	16.17	0.33	1	49
Tuberculosis	4	4	4	1	1	2	0.0%	300.0%	2.16	1.27	7	45

<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  
 Quartile Analysis of Year-to-date Counts for Week 50, 2016

**Troop B Total**

Disease or Condition	Week 50 YTD <sup>1</sup>	Week 49 YTD <sup>1</sup>	Week 48 YTD <sup>1</sup>	Five Year 1 <sup>st</sup> Quartile	Five Year Median	Five Year 3 <sup>rd</sup> Quartile	Change from Week 49 to Week 50	Change from Week 50 to 5-Year Median	Rate per 100,000 Week 50	Relative Rate Week 50	First Week Reported <sup>2</sup>	Last Week Reported <sup>2</sup>
Tularemia	1	1	1	2	2	4	0.0%	( 50.0%)	0.54	0.70	43	43
Varicella (Chickenpox)	9	9	8	No Data	17	No Data	0.0%	( 47.7%)	4.85	1.83	10	49

<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 B Total**

<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	7	Above Median	Above Median	Increase	Above Normal
Campylobacteriosis	Old	1	1	1	Above Maximum	Above Maximum	Increase	Very Elevated
Creutzfeldt-Jakob Disease (CJD)	Old	9	9	0	Below Median	Below Median	Flat	Below Normal
Cryptosporidiosis	Old	8	8	0	Above Maximum	Above Maximum	Flat	Very Elevated
E Coli Shiga Toxin Positive	Old	20	20	0	Below Median	Below Median	Flat	Below Normal
E. Coli O157 H7	Old	32	32	0	Above Maximum	Above Maximum	Flat	Very Elevated
Ehrlichia chaffeensis	Old	14	14	0	Below Median	Below Median	Flat	Below Normal
Giardiasis	Old	7	7	0	Above Median	Above Median	Flat	Above Normal
Haemophilus Influenzae, Invasive	Old	6	6	0	Below Median	Below Median	Flat	Below Normal
Hemolytic Uremic Syndrome	Old	40	40	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	3	Above 3 <sup>rd</sup> Quartile	Above 3 <sup>rd</sup> Quartile	Increase	Elevated
Influenza	Old	40	40	2	Below Median	Below Median	Increase	Below Normal
Legionellosis	Old	46	46	0	Below Median	Below Median	Flat	Below Normal
Listeriosis	Old	39	39	0	Below Median	Below Median	Flat	Below Normal
Pertussis	Old	45	45	1	Above Median	Above Median	Increase	Above Normal
Rabies Animal	Old	20	20	0	Above Maximum	Above Maximum	Flat	Very Elevated
Rabies Post Exposure Prophylaxis	Old	2	2	0	Above Median	Above Median	Flat	Above 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 for Week 50, 2016  
 Disease or Condition Analysis  
 Relative to Last Report run on 12/13/2016 for Week 49, 2016

**Troop B 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>
Rocky Mountain Spotted Fever	Old	7	7	0	Above Maximum	Above Maximum	Flat	Very Elevated
Salmonellosis	Old	1	1	0	Below Median	Below Median	Flat	Below Normal
Shiga Toxin + (Non E. Coli/Unknown Organism)	Old	43	43	0	Above Median	Above Median	Flat	Above Normal
Shigellosis	Old	20	20	0	Above Maximum	Above Maximum	Flat	Very Elevated
Strep Disease, Group A Invasive	Old	9	9	0	Below Median	Below Median	Flat	Below Normal
Strep Pneumoniae, Drug-Resistant	Old	22	22	0	Above Maximum	Above Maximum	Flat	Very Elevated
Tb Infection	Old	1	1	-1	Above Median	Above Median	Decrease	Above Normal
Tuberculosis	Old	7	7	0	Above 3 <sup>rd</sup> Quartile	Above 3 <sup>rd</sup> Quartile	Flat	Elevated
Tularemia	Old	43	43	0	Below Median	Below Median	Flat	Below Normal
Varicella (Chickenpox)	Old	10	10	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>	157.43	1.25
<i>Campylobacteriosis</i>	20.49	0.89
<i>Creutzfeldt-Jakob Disease (CJD)</i>	0.54	3.02
<i>Cryptosporidiosis</i>	7.01	0.97
<i>E Coli Shiga Toxin Positive</i>	0.54	0.16
<i>E. Coli O157 H7</i>	13.48	5.71
<i>Ehrlichia chaffeensis</i>	3.23	0.79
<i>Giardiasis</i>	4.31	0.75
<i>Haemophilus Influenzae, Invasive</i>	1.62	0.68
<i>Hemolytic Uremic Syndrome</i>	1.08	3.35
<i>Hepatitis B Chronic Infection</i>	5.39	0.75
<i>Hepatitis C, Chronic Infection</i>	59.30	0.70
<i>Influenza</i>	10.78	0.79
<i>Legionellosis</i>	0.54	0.20
<i>Listeriosis</i>	0.54	10.06
<i>Pertussis</i>	3.23	0.58
<i>Rabies Animal</i>	1.08	2.32
<i>Rabies Post Exposure Prophylaxis</i>	16.17	1.76
<i>Rocky Mountain Spotted Fever</i>	12.40	1.94
<i>Salmonellosis</i>	13.48	0.76
<i>Shiga Toxin + (Non E. Coli/Unknown Organism)</i>	0.54	2.74
<i>Shigellosis</i>	33.97	2.38
<i>Strep Disease, Group A Invasive</i>	1.08	0.50
<i>Strep Pneumoniae, Drug-Resistant</i>	1.62	0.35
<i>Tb Infection</i>	16.17	0.33
<i>Tuberculosis</i>	2.16	1.27
<i>Tularemia</i>	0.54	0.70
<i>Varicella (Chickenpox)</i>	4.85	1.83

<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 B 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		0.3	1.0	0.3	1.1	0.5	1.1
Cryptosporidiosis		0.3	0.3	0.3	0.3	0.3	0.3
E. Coli O157 H7		0.0	0.1	0.3	0.1	0.3	0.3
Giardiasis		0.0	1.1	0.3	1.1	0.3	1.1
Hepatitis C, Chronic Infection		1.0	3.7	1.0	3.6	1.0	3.7
Rocky Mountain Spotted Fever		0.0	0.5	0.0	0.6	0.0	0.6
Salmonellosis		0.3	1.1	0.3	1.1	0.3	1.1
Tularemia		0.0	0.1	0.0	0.2	0.0	0.2

<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)

**Troop B Total**