

Missouri Department of Health and Senior  
Services (DHSS)

Weekly Communicable Disease Report  
for the

**Troop E Total**

Missouri Department of Health and Senior Services (DHSS)

**Weekly Communicable Disease Report**

for the

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**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 E 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	424	419	411	No Data	287	No Data	1.2%	47.7%	129.52	1.03	1	51
Campylobacteriosis	107	107	105	79	82	84	0.0%	30.5%	32.68	1.41	1	49
Cryptosporidiosis	24	24	24	6	10	11	0.0%	140.0%	7.33	1.02	17	47
E Coli Shiga Toxin Positive	7	7	7	6	11	11	0.0%	( 36.4%)	2.14	0.63	10	34
E. Coli O157 H7	5	5	5	1	2	3	0.0%	150.0%	1.53	0.65	27	47
Ehrlichia chaffeensis	21	21	21	13	13	21	0.0%	61.5%	6.41	1.57	19	42
Ehrlichia ewingii	1	1	1	1	1	1	0.0%	0.0%	0.31	1.90	20	20
Giardiasis	18	18	18	12	12	14	0.0%	50.0%	5.50	0.95	1	48
Haemophilus Influenzae, Invasive	8	8	8	1	2	6	0.0%	300.0%	2.44	1.02	9	40
Hepatitis A Acute	2	2	2	1	1	2	0.0%	100.0%	0.61	2.28	6	9
Hepatitis B (Pregnancy) Prenatal	2	2	2	2	3	4	0.0%	( 33.3%)	0.61	0.35	18	32
Hepatitis B Acute	1	1	1	2	4	6	0.0%	( 71.4%)	0.31	0.46	1	1
Hepatitis B Chronic Infection	20	19	19	17	18	18	5.3%	11.1%	6.11	0.85	2	50
Hepatitis C Acute	7	7	7	1	2	3	0.0%	250.0%	2.14	4.98	1	36
Hepatitis C, Chronic Infection	296	296	296	344	352	393	0.0%	( 15.9%)	90.42	1.07	1	47
Influenza	77	68	62	No Data	321	No Data	13.2%	( 76.0%)	23.52	1.73	40	50
Legionellosis	1	1	1	1	5	5	0.0%	( 80.0%)	0.31	0.11	21	21
Pertussis	12	12	11	13	14	31	0.0%	( 14.3%)	3.67	0.66	12	49
Rabies Post Exposure Prophylaxis	33	33	32	No Data	24	No Data	0.0%	35.2%	10.08	1.10	5	49
Rocky Mountain Spotted Fever	23	23	23	28	35	38	0.0%	( 34.3%)	7.03	1.10	17	48
Salmonellosis	111	109	109	88	97	109	1.8%	14.4%	33.91	1.92	2	50
Shiga Toxin + (Non E. Coli/Unknown Organism)	1	1	1	1	1	1	0.0%	0.0%	0.31	1.55	29	29
Shigellosis	29	27	26	2	5	19	7.4%	480.0%	8.86	0.62	1	50
Strep Disease, Group A Invasive	3	3	3	2	4	4	0.0%	( 25.0%)	0.92	0.42	10	16
Strep Pneumoniae, Drug-Resistant	14	13	13	9	13	13	7.7%	7.7%	4.28	0.92	4	50
Tb Infection	82	82	82	76	88	110	0.0%	( 6.8%)	25.05	0.51	1	48
Tuberculosis	6	6	6	2	6	9	0.0%	9.1%	1.83	1.08	6	32
Tularemia	1	1	1	1	1	3	0.0%	0.0%	0.31	0.40	36	36

<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 E 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>
Varicella (Chickenpox)	7	7	7	No Data	11	No Data	0.0%	( 34.0%)	2.14	0.81	3	39
Vibriosis	1	1	1	1	1	1	0.0%	0.0%	0.31	2.85	19	19
West Nile Fever	1	1	1	1	1	1	0.0%	0.0%	0.31	8.55	34	34
Yersiniosis	2	2	2	2	4	5	0.0%	( 42.9%)	0.61	1.31	4	11

<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 E 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	16	Above Median	Above Median	Increase	Above Normal
Campylobacteriosis	Old	1	1	3	Above 3 <sup>rd</sup> Quartile	Above 3 <sup>rd</sup> Quartile	Increase	Elevated
Cryptosporidiosis	Old	17	17	3	Above Maximum	Above Maximum	Increase	Very Elevated
E Coli Shiga Toxin Positive	Old	10	10	0	Below Median	Below Median	Flat	Below Normal
E. Coli O157 H7	Old	27	27	0	Above 3 <sup>rd</sup> Quartile	Above 3 <sup>rd</sup> Quartile	Flat	Elevated
Ehrlichia chaffeensis	Old	19	19	0	Above Median	Above Median	Flat	Above Normal
Ehrlichia ewingii	Old	20	20	0	Below Median	Below Median	Flat	Below Normal
Giardiasis	Old	1	1	3	Above Maximum	Above Maximum	Increase	Very Elevated
Haemophilus Influenzae, Invasive	Old	9	9	0	Above 3 <sup>rd</sup> Quartile	Above Maximum	Flat	Elevated
Hepatitis A Acute	Old	6	6	0	Above Median	Above Median	Flat	Above Normal
Hepatitis B (Pregnancy) Prenatal	Old	18	18	0	Below Median	Below Median	Flat	Below Normal
Hepatitis B Acute	Old	1	1	0	Below Median	Below Median	Flat	Below Normal
Hepatitis B Chronic Infection	Old	2	2	1	Above Maximum	Above Maximum	Increase	Very Elevated
Hepatitis C Acute	Old	1	1	0	Above Maximum	Above Maximum	Flat	Very Elevated
Hepatitis C, Chronic Infection	Old	1	1	0	Below Median	Below Median	Flat	Below Normal
Influenza	Old	40	40	12	Below Median	Below Median	Increase	Below Normal
Legionellosis	Old	21	21	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 for Week 50, 2016  
 Disease or Condition Analysis  
 Relative to Last Report run on 12/13/2016 for Week 49, 2016

**Troop E 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>
Pertussis	Old	12	12	2	Below Median	Below Median	Increase	Below Normal
Rabies Post Exposure Prophylaxis	Old	5	5	8	Above Median	Above Median	Increase	Above Normal
Rocky Mountain Spotted Fever	Old	17	17	-1	Below Median	Below Median	Decrease	Below Normal
Salmonellosis	Old	2	2	3	Above 3 <sup>rd</sup> Quartile	Above 3 <sup>rd</sup> Quartile	Increase	Elevated
Shiga Toxin + (Non E. Coli/Unknown Organism)	Old	29	29	-1	Below Median	Above Maximum	Decrease	Below Normal
Shigellosis	Old	1	1	3	Above 3 <sup>rd</sup> Quartile	Above 3 <sup>rd</sup> Quartile	Increase	Elevated
Strep Disease, Group A Invasive	Old	10	10	0	Below Median	Below Median	Flat	Below Normal
Strep Pneumoniae, Drug-Resistant	Old	4	4	3	Above 3 <sup>rd</sup> Quartile	Below Median	Increase	Elevated
Tb Infection	Old	1	1	2	Below Median	Below Median	Increase	Below Normal
Tuberculosis	Old	6	6	0	Above Median	Above Median	Flat	Above Normal
Tularemia	Old	36	36	0	Below Median	Below Median	Flat	Below Normal
Varicella (Chickenpox)	Old	3	3	0	Below Median	Below Median	Flat	Below Normal
Vibriosis	Old	19	19	0	Below Median	Below Median	Flat	Below Normal
West Nile Fever	Old	34	34	0	Below Median	Below Median	Flat	Below Normal
Yersiniosis	Old	4	4	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>	129.52	1.03
<i>Campylobacteriosis</i>	32.68	1.41
<i>Cryptosporidiosis</i>	7.33	1.02
<i>E Coli Shiga Toxin Positive</i>	2.14	0.63
<i>E. Coli O157 H7</i>	1.53	0.65
<i>Ehrlichia chaffeensis</i>	6.41	1.57
<i>Ehrlichia ewingii</i>	0.31	1.90
<i>Giardiasis</i>	5.50	0.95
<i>Haemophilus Influenzae, Invasive</i>	2.44	1.02
<i>Hepatitis A Acute</i>	0.61	2.28
<i>Hepatitis B (Pregnancy) Prenatal</i>	0.61	0.35
<i>Hepatitis B Acute</i>	0.31	0.46
<i>Hepatitis B Chronic Infection</i>	6.11	0.85
<i>Hepatitis C Acute</i>	2.14	4.98
<i>Hepatitis C, Chronic Infection</i>	90.42	1.07
<i>Influenza</i>	23.52	1.73
<i>Legionellosis</i>	0.31	0.11
<i>Pertussis</i>	3.67	0.66
<i>Rabies Post Exposure Prophylaxis</i>	10.08	1.10
<i>Rocky Mountain Spotted Fever</i>	7.03	1.10
<i>Salmonellosis</i>	33.91	1.92
<i>Shiga Toxin + (Non E. Coli/Unknown Organism)</i>	0.31	1.55
<i>Shigellosis</i>	8.86	0.62
<i>Strep Disease, Group A Invasive</i>	0.92	0.42
<i>Strep Pneumoniae, Drug-Resistant</i>	4.28	0.92
<i>Tb Infection</i>	25.05	0.51
<i>Tuberculosis</i>	1.83	1.08
<i>Tularemia</i>	0.31	0.40
<i>Varicella (Chickenpox)</i>	2.14	0.81
<i>Vibriosis</i>	0.31	2.85
<i>West Nile Fever</i>	0.31	8.55
<i>Yersiniosis</i>	0.61	1.31

<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 E 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		1.0	2.2	1.5	2.3	1.3	2.4
Cryptosporidiosis		0.3	0.3	0.3	0.3	0.3	0.2
E Coli Shiga Toxin Positive		0.0	0.3	0.0	0.4	0.0	0.5
Ehrlichia chaffeensis		0.0	0.3	0.0	0.4	0.0	0.4
Giardiasis		0.5	0.6	0.5	0.6	0.5	0.7
Hepatitis B Acute		0.0	0.2	0.0	0.2	0.0	0.2
Hepatitis B Chronic Infection		0.3	1.0	0.0	1.0	0.0	0.9
Hepatitis C, Chronic Infection		0.3	11.3	1.5	11.9	2.5	12.2
Legionellosis		0.0	0.4	0.0	0.4	0.0	0.4
Pertussis		0.3	0.7	0.3	0.8	0.3	0.8
Rocky Mountain Spotted Fever		0.3	0.3	0.3	0.4	0.3	0.5
Salmonellosis		1.5	4.5	1.8	4.7	2.3	5.0
Strep Pneumoniae, Drug-Resistant		0.5	1.2	0.5	1.0	0.5	1.0
Tuberculosis		0.0	0.5	0.0	0.6	0.0	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.

Weekly Communicable Disease Reports

4-week Count Mean Z-Scores for Week 50, 2016

(Z-Scores greater than 2.0)

**Troop E Total**