

Missouri Department of Health and Senior
Services (DHSS)

Weekly Communicable Disease Report
for the

Troop H Total

Missouri Department of Health and Senior Services (DHSS)

Weekly Communicable Disease Report

for the

Troop H 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 H Total

Disease or Condition	Week 50 YTD¹	Week 49 YTD¹	Week 48 YTD¹	Five Year 1st Quartile	Five Year Median	Five Year 3rd 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 Reported²	Last Week Reported²
Animal Bites	313	312	307	No Data	325	No Data	0.3%	(3.6%)	135.74	1.07	1	50
Campylobacteriosis	61	61	61	14	14	24	0.0%	335.7%	26.45	1.14	2	46
Cryptosporidiosis	14	14	14	13	15	23	0.0%	(6.7%)	6.07	0.84	2	40
Cyclosporiasis	3	3	3	No Data	0	No Data	0.0%	0.0%	1.30	3.31	31	37
E Coli Shiga Toxin Positive	4	4	4	5	5	5	0.0%	(20.0%)	1.73	0.51	9	45
E. Coli O157 H7	3	3	3	2	3	4	0.0%	20.0%	1.30	0.55	17	25
Ehrlichia chaffeensis	1	1	1	3	4	9	0.0%	(75.0%)	0.43	0.11	21	21
Ehrlichiosis or Anaplasmosis, Undetermined	1	1	1	No Data	1	No Data	0.0%	0.0%	0.43	2.70	26	26
Giardiasis	13	13	13	9	13	13	0.0%	0.0%	5.64	0.98	7	38
Haemophilus Influenzae, Invasive	5	5	5	4	5	6	0.0%	0.0%	2.17	0.91	1	38
Hepatitis A Acute	2	2	2	1	1	1	0.0%	100.0%	0.87	3.24	3	17
Hepatitis B (Pregnancy) Prenatal	5	4	4	3	5	6	25.0%	0.0%	2.17	1.24	21	50
Hepatitis B Acute	1	1	1	2	4	5	0.0%	(75.0%)	0.43	0.66	36	36
Hepatitis B Chronic Infection	12	12	12	14	15	15	0.0%	(20.0%)	5.20	0.73	12	46
Hepatitis C, Chronic Infection	180	179	175	169	225	269	0.6%	(20.0%)	78.06	0.92	1	50
Influenza	73	52	43	No Data	223	No Data	40.4%	(67.3%)	31.66	2.33	41	50
Legionellosis	1	1	1	1	1	2	0.0%	0.0%	0.43	0.16	39	39
Lyme	1	1	0	No Data	0	No Data	0.0%	0.0%	0.43	1.73	49	49
Meningococcal Disease	1	1	1	2	2	2	0.0%	(50.0%)	0.43	6.07	10	10
Mumps	4	4	4	5	5	5	0.0%	(20.0%)	1.73	0.58	43	48
Pertussis	21	21	21	4	6	7	0.0%	250.0%	9.11	1.64	5	48
Rabies Animal	2	2	2	1	1	3	0.0%	100.0%	0.87	1.87	32	34
Rabies Post Exposure Prophylaxis	8	8	8	No Data	3	No Data	0.0%	190.9%	3.47	0.38	27	33
Rocky Mountain Spotted Fever	9	9	9	7	7	11	0.0%	28.6%	3.90	0.61	17	40
Salmonellosis	36	36	35	31	31	41	0.0%	16.1%	15.61	0.88	3	49
Shiga Toxin + (Non E. Coli/Unknown Organism)	1	1	1	1	1	1	0.0%	0.0%	0.43	2.21	10	10
Shigellosis	54	54	53	1	2	13	0.0%	2600.0%	23.42	1.64	1	49

¹ **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.

² **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 H Total

Disease or Condition	Week 50 YTD ¹	Week 49 YTD ¹	Week 48 YTD ¹	Five Year 1 st Quartile	Five Year Median	Five Year 3 rd 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 ²	Last Week Reported ²
Strep Disease, Group A Invasive	3	3	3	1	5	8	0.0%	(40.0%)	1.30	0.60	7	9
Strep Pneumoniae, <5 Years, Invasive	1	1	1	1	2	2	0.0%	(33.3%)	0.43	4.04	18	18
Strep Pneumoniae, Drug-Resistant	10	10	10	6	7	8	0.0%	53.8%	4.34	0.94	26	48
Tb Infection	96	96	95	44	59	64	0.0%	62.7%	41.63	0.84	1	49
Tuberculosis	6	6	6	1	2	4	0.0%	200.0%	2.60	1.53	5	32
Tularemia	2	2	2	1	1	2	0.0%	100.0%	0.87	1.13	5	37
Varicella (Chickenpox)	9	9	9	No Data	15	No Data	0.0%	(38.4%)	3.90	1.48	9	48
Yersiniosis	1	1	1	1	1	1	0.0%	0.0%	0.43	0.93	24	24

¹ 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.

² 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 H Total

Disease or Condition	Data Status^{1,2}	1st Week Reported Current Report	1st Week Reported Last Report	Change in Count	Week 50 Quartile Results³	Week 49 Quartile Results⁴	Data Trend Analysis⁵	Data Elevation Analysis⁶
Animal Bites	Old	1	1	2	Below Median	Below Median	Increase	Below Normal
Campylobacteriosis	Old	2	2	1	Above Maximum	Above Maximum	Increase	Very Elevated
Cryptosporidiosis	Old	2	2	2	Below Median	Below Median	Increase	Below Normal
Cyclosporiasis	Old	31	31	0	Above Median	Above Median	Flat	Above Normal
E Coli Shiga Toxin Positive	Old	9	9	0	Below Median	Below Median	Flat	Below Normal
E. Coli O157 H7	Old	17	17	0	Above Median	Above Median	Flat	Above Normal
Ehrlichia chaffeensis	Old	21	21	0	Below Median	Below Median	Flat	Below Normal
Ehrlichiosis or Anaplasmosis, Undetermined	Old	26	26	0	Below Median	Below Median	Flat	Below Normal
Giardiasis	Old	7	7	0	Below Median	Below Median	Flat	Below Normal
Haemophilus Influenzae, Invasive	Old	1	1	0	Below Median	Below Median	Flat	Below Normal
Hepatitis A Acute	Old	3	3	0	Above Maximum	Above Maximum	Flat	Very Elevated
Hepatitis B (Pregnancy) Prenatal	Old	21	21	1	Below Median	Below Median	Increase	Below Normal
Hepatitis B Acute	Old	36	36	0	Below Median	Below Median	Flat	Below Normal
Hepatitis B Chronic Infection	Old	12	12	0	Below Median	Below Median	Flat	Below Normal
Hepatitis C, Chronic Infection	Old	1	1	6	Below Median	Below Median	Increase	Below Normal
Influenza	Old	41	41	21	Below Median	Below Median	Increase	Below Normal
Legionellosis	Old	39	39	0	Below Median	Below Median	Flat	Below Normal
Lyme	Old	49		1	Above Median	Below Median	Increase	Above Normal

¹ Data Status: Old=Continuing Occurrence in 2016, New=First Occurrence in 2016 and Out=Case was Removed from WEBSURV

² First Week Reported and/or First Occurrence of Disease or Condition in 2016

³ Week 50 Quartile Results are from the Current Report

⁴ Week 49 Quartile Results are from the Last Report

⁵ Based on Change in Count Current Report vs Last Report

⁶ Based on Quartile Analysis from Current Report where: Below Normal=below median, Above Normal= above median, Elevated=above 3rd 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 H Total

Disease or Condition	Data Status ^{1,2}	1 st Week Reported Current Report	1 st Week Reported Last Report	Change in Count	Week 50 Quartile Results ³	Week 49 Quartile Results ⁴	Data Trend Analysis ⁵	Data Elevation Analysis ⁶
Meningococcal Disease	Old	10	10	0	Below Median	Below Median	Flat	Below Normal
Mumps	Old	43	43	0	Below Median	Below Median	Flat	Below Normal
Pertussis	Old	5	5	-1	Above Maximum	Above Maximum	Decrease	Very Elevated
Rabies Animal	Old	32	32	0	Above Median	Above Median	Flat	Above Normal
Rabies Post Exposure Prophylaxis	Old	27	27	0	Above Median	Above Median	Flat	Above Normal
Rocky Mountain Spotted Fever	Old	17	17	0	Above Median	Above Median	Flat	Above Normal
Salmonellosis	Old	3	3	0	Above Median	Above Median	Flat	Above Normal
Shiga Toxin + (Non E. Coli/Unknown Organism)	Old	10	10	0	Below Median	Below Median	Flat	Below Normal
Shigellosis	Old	1	1	0	Above Maximum	Above Maximum	Flat	Very Elevated
Strep Disease, Group A Invasive	Old	7	7	0	Below Median	Below Median	Flat	Below Normal
Strep Pneumoniae, <5 Years, Invasive	Old	18	18	0	Below Median	Below Median	Flat	Below Normal
Strep Pneumoniae, Drug-Resistant	Old	26	35	-1	Above Maximum	Above Maximum	Decrease	Very Elevated
Tb Infection	Old	1	1	2	Above 3 rd Quartile	Above 3 rd Quartile	Increase	Elevated
Tuberculosis	Old	5	5	-1	Above 3 rd Quartile	Above 3 rd Quartile	Decrease	Elevated
Tularemia	Old	5	5	0	Above 3 rd Quartile	Above 3 rd Quartile	Flat	Elevated
Varicella (Chickenpox)	Old	9	9	0	Below Median	Below Median	Flat	Below Normal
Yersiniosis	Old	24	24	0	Below Median	Below Median	Flat	Below Normal

¹ Data Status: Old=Continuing Occurrence in 2016, New=First Occurrence in 2016 and Out=Case was Removed from WEBSURV

² First Week Reported and/or First Occurrence of Disease or Condition in 2016

³ Week 50 Quartile Results are from the Current Report

⁴ Week 49 Quartile Results are from the Last Report

⁵ Based on Change in Count Current Report vs Last Report

⁶ Based on Quartile Analysis from Current Report where: Below Normal=below median, Above Normal= above median, Elevated=above 3rd 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> ¹	<i>Relative Rate</i> ^{2,3,4}
<i>Animal Bites</i>	135.74	1.07
<i>Campylobacteriosis</i>	26.45	1.14
<i>Cryptosporidiosis</i>	6.07	0.84
<i>Cyclosporiasis</i>	1.30	3.31
<i>E Coli Shiga Toxin Positive</i>	1.73	0.51
<i>E. Coli O157 H7</i>	1.30	0.55
<i>Ehrlichia chaffeensis</i>	0.43	0.11
<i>Ehrlichiosis or Anaplasmosis, Undetermined</i>	0.43	2.70
<i>Giardiasis</i>	5.64	0.98
<i>Haemophilus Influenzae, Invasive</i>	2.17	0.91
<i>Hepatitis A Acute</i>	0.87	3.24
<i>Hepatitis B (Pregnancy) Prenatal</i>	2.17	1.24
<i>Hepatitis B Acute</i>	0.43	0.66
<i>Hepatitis B Chronic Infection</i>	5.20	0.73
<i>Hepatitis C, Chronic Infection</i>	78.06	0.92
<i>Influenza</i>	31.66	2.33
<i>Legionellosis</i>	0.43	0.16
<i>Lyme</i>	0.43	1.73
<i>Meningococcal Disease</i>	0.43	6.07
<i>Mumps</i>	1.73	0.58
<i>Pertussis</i>	9.11	1.64
<i>Rabies Animal</i>	0.87	1.87
<i>Rabies Post Exposure Prophylaxis</i>	3.47	0.38
<i>Rocky Mountain Spotted Fever</i>	3.90	0.61
<i>Salmonellosis</i>	15.61	0.88
<i>Shiga Toxin + (Non E. Coli/Unknown Organism)</i>	0.43	2.21
<i>Shigellosis</i>	23.42	1.64
<i>Strep Disease, Group A Invasive</i>	1.30	0.60
<i>Strep Pneumoniae, <5 Years, Invasive</i>	0.43	4.04
<i>Strep Pneumoniae, Drug-Resistant</i>	4.34	0.94
<i>Tb Infection</i>	41.63	0.84
<i>Tuberculosis</i>	2.60	1.53
<i>Tularemia</i>	0.87	1.13
<i>Varicella (Chickenpox)</i>	3.90	1.48
<i>Yersiniosis</i>	0.43	0.93

¹ Rates are Year-to-Date Counts per 100,000 population for Week 50, 2016

² The relative rate is computed as the county or district rate divided by the overall state rate

³ Relative rate between 2.0 and 3.0

⁴ 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 H Total

<i>Disease or Condition</i>	<i>Analysis Results ¹</i>	<i>4-week Count Mean for Week 50²</i>	<i>Upper Limit for Week 50³</i>	<i>4-week Count Mean for Week 49²</i>	<i>Upper Limit for Week 49³</i>	<i>4-week Count Mean for Week 48²</i>	<i>Upper Limit for Week 48³</i>
Campylobacteriosis		0.0	1.0	0.3	1.0	0.3	1.0
Cryptosporidiosis		0.0	0.5	0.0	0.6	0.0	0.6
Giardiasis		0.0	1.0	0.0	1.0	0.0	1.1
Haemophilus Influenzae, Invasive		0.0	0.4	0.0	0.4	0.0	0.4
Hepatitis B (Pregnancy) Prenatal		0.3	0.4	0.0	0.4	0.0	0.4
Hepatitis B Acute		0.0	0.4	0.0	0.4	0.0	0.4
Hepatitis B Chronic Infection		0.0	0.8	0.3	0.9	0.5	0.9
Hepatitis C, Chronic Infection		1.3	8.1	2.3	8.2	2.5	8.5
Salmonellosis		0.3	1.3	0.8	1.4	0.5	1.5

¹ 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.

² 4-week Count mean based on the current and 3 previous weeks.

³ 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 H Total