

Missouri Department of Health and Senior
Services (DHSS)

Weekly Communicable Disease Report
for the

Dallas County

Missouri Department of Health and Senior Services (DHSS)

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for the

Dallas 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

Dallas County

<i>Disease or Condition</i>	<i>Week 50 YTD¹</i>	<i>Week 49 YTD¹</i>	<i>Week 48 YTD¹</i>	<i>Five Year 1st Quartile</i>	<i>Five Year Median</i>	<i>Five Year 3rd Quartile</i>	<i>Change from Week 49 to Week 50</i>	<i>Change from Week 50 to 5-Year Median</i>	<i>Rate per 100,000 Week 50</i>	<i>Relative Rate Week 50</i>	<i>First Week Reported²</i>	<i>Last Week Reported²</i>
Animal Bites	27	26	24	No Data	15	No Data	3.8%	83.1%	172.40	1.36	2	50
Campylobacteriosis	5	5	5	2	3	4	0.0%	66.7%	31.93	1.38	1	27
Cryptosporidiosis	3	3	3	1	2	3	0.0%	100.0%	19.16	2.66	10	34
E Coli Shiga Toxin Positive	2	2	2	1	1	1	0.0%	100.0%	12.77	3.78	10	40
Ehrlichia chaffeensis	5	5	5	2	3	4	0.0%	66.7%	31.93	7.83	17	28
Haemophilus Influenzae, Invasive	1	1	1	1	1	1	0.0%	0.0%	6.39	2.67	43	43
Hepatitis C, Chronic Infection	16	16	16	12	14	14	0.0%	14.3%	102.16	1.21	1	43
Influenza	4	4	2	No Data	4	No Data	0.0%	(5.9%)	25.54	1.88	42	49
Lyme	1	1	1	1	1	1	0.0%	0.0%	6.39	25.52	25	25
Pertussis	1	1	1	1	1	1	0.0%	0.0%	6.39	1.15	6	6
Rabies Post Exposure Prophylaxis	1	1	1	No Data	1	No Data	0.0%	(25.0%)	6.39	0.69	35	35
Rocky Mountain Spotted Fever	2	2	2	2	3	4	0.0%	(33.3%)	12.77	2.00	11	38
Salmonellosis	2	2	2	2	3	4	0.0%	(20.0%)	12.77	0.72	33	44
Strep Pneumoniae, Drug-Resistant	2	2	2	1	1	1	0.0%	100.0%	12.77	2.76	6	12
Tuberculosis	1	1	1	1	1	1	0.0%	0.0%	6.39	3.76	29	29

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

Dallas County

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	2	2	3	Above Median	Above Median	Increase	Above Normal
Campylobacteriosis	Old	1	1	0	Above 3 rd Quartile	Above 3 rd Quartile	Flat	Elevated
Cryptosporidiosis	Old	10	10	0	Above 3 rd Quartile	Above 3 rd Quartile	Flat	Elevated
E Coli Shiga Toxin Positive	Old	10	10	0	Above Maximum	Above Maximum	Flat	Very Elevated
Ehrlichia chaffeensis	Old	17	17	0	Above 3 rd Quartile	Above 3 rd Quartile	Flat	Elevated
Haemophilus Influenzae, Invasive	Old	43		1	Below Median	Below Median	Increase	Below Normal
Hepatitis C, Chronic Infection	Old	1	1	0	Above 3 rd Quartile	Above 3 rd Quartile	Flat	Elevated
Influenza	Old	42	42	2	Below Median	Below Median	Increase	Below Normal
Lyme	Old	25		1	Below Median	Below Median	Increase	Below Normal
Pertussis	Old	6	6	0	Below Median	Below Median	Flat	Below Normal
Rabies Post Exposure Prophylaxis	Old	35	35	0	Below Median	Below Median	Flat	Below Normal
Rocky Mountain Spotted Fever	Old	11	11	0	Below Median	Below Median	Flat	Below Normal
Salmonellosis	Old	33	33	0	Below Median	Below Median	Flat	Below Normal
Strep Pneumoniae, Drug-Resistant	Old	6	6	0	Above Maximum	Above Maximum	Flat	Very Elevated
Tuberculosis	Old	29	29	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>	172.40	1.36
<i>Campylobacteriosis</i>	31.93	1.38
<i>Cryptosporidiosis</i>	19.16	2.66
<i>E Coli Shiga Toxin Positive</i>	12.77	3.78
<i>Ehrlichia chaffeensis</i>	31.93	7.83
<i>Haemophilus Influenzae, Invasive</i>	6.39	2.67
<i>Hepatitis C, Chronic Infection</i>	102.16	1.21
<i>Influenza</i>	25.54	1.88
<i>Lyme</i>	6.39	25.52
<i>Pertussis</i>	6.39	1.15
<i>Rabies Post Exposure Prophylaxis</i>	6.39	0.69
<i>Rocky Mountain Spotted Fever</i>	12.77	2.00
<i>Salmonellosis</i>	12.77	0.72
<i>Strep Pneumoniae, Drug-Resistant</i>	12.77	2.76
<i>Tuberculosis</i>	6.39	3.76

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

Dallas County

<i>Disease or Condition</i>	<i>Analysis Results ¹</i>	<i>4-week Count Mean for Week 50 ²</i>	<i>Upper Limit for Week 50 ³</i>	<i>4-week Count Mean for Week 49 ²</i>	<i>Upper Limit for Week 49 ³</i>	<i>4-week Count Mean for Week 48 ²</i>	<i>Upper Limit for Week 48 ³</i>
Hepatitis C, Chronic Infection		0.0	0.6	0.0	0.7	0.0	0.7

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.**

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