

Missouri Department of Health and Senior
Services (DHSS)

Weekly Communicable Disease Report
for the

Dade County

Missouri Department of Health and Senior Services (DHSS)

Weekly Communicable Disease Report

for the

Dade 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**

Dade County

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
Campylobacteriosis	6	6	6	1	1	2	0.0%	500.0%	75.73	3.28	8	42
Cryptosporidiosis	9	9	9	1	4	6	0.0%	157.1%	113.59	15.77	8	38
E Coli Shiga Toxin Positive	1	1	1	1	1	1	0.0%	0.0%	12.62	3.74	43	43
E. Coli O157 H7	1	1	1	1	1	1	0.0%	0.0%	12.62	5.35	16	16
Ehrlichia chaffeensis	1	1	1	1	1	1	0.0%	0.0%	12.62	3.10	23	23
Giardiasis	2	2	2	1	1	1	0.0%	100.0%	25.24	4.37	37	38
Hepatitis B Chronic Infection	1	1	1	No Data	0	No Data	0.0%	0.0%	12.62	1.76	34	34
Hepatitis C, Chronic Infection	6	6	6	4	4	8	0.0%	50.0%	75.73	0.90	21	38
Influenza	1	1	1	No Data	3	No Data	0.0%	(60.0%)	12.62	0.93	48	48
Lyme	1	1	1	No Data	0	No Data	0.0%	0.0%	12.62	50.44	29	29
Pertussis	2	2	2	1	1	1	0.0%	100.0%	25.24	4.56	4	21
Rocky Mountain Spotted Fever	2	2	2	1	2	3	0.0%	0.0%	25.24	3.96	19	27
Strep Pneumoniae, Drug-Resistant	1	1	1	1	1	1	0.0%	0.0%	12.62	2.73	37	37
Tb Infection	1	1	1	1	1	1	0.0%	0.0%	12.62	0.26	11	11

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

Dade County

<i>Disease or Condition</i>	<i>Data Status</i> ^{1,2}	<i>1st Week Reported Current Report</i>	<i>1st Week Reported Last Report</i>	<i>Change in Count</i>	<i>Week 50 Quartile Results</i> ³	<i>Week 49 Quartile Results</i> ⁴	<i>Data Trend Analysis</i> ⁵	<i>Data Elevation Analysis</i> ⁶
Campylobacteriosis	Old	8	8	2	Above Maximum	Above Maximum	Increase	Very Elevated
Cryptosporidiosis	Old	8	8	4	Above Maximum	Above Median	Increase	Very Elevated
E Coli Shiga Toxin Positive	Old	43	43	0	Below Median	Below Median	Flat	Below Normal
E. Coli O157 H7	Old	16	16	0	Below Median	Below Median	Flat	Below Normal
Ehrlichia chaffeensis	Old	23	23	0	Below Median	Below Median	Flat	Below Normal
Giardiasis	Old	37	37	1	Above Maximum	Below Median	Increase	Very Elevated
Hepatitis B Chronic Infection	Old	34	34	0	Above Median	Above Median	Flat	Above Normal
Hepatitis C, Chronic Infection	Old	21	21	0	Above Median	Above Median	Flat	Above Normal
Influenza	Old	48	48	0	Below Median	Below Median	Flat	Below Normal
Lyme	Old	29	29	0	Above Median	Above Median	Flat	Above Normal
Pertussis	Old	4	4	1	Above Maximum	Below Median	Increase	Very Elevated
Rocky Mountain Spotted Fever	Old	19	19	0	Below Median	Below Median	Flat	Below Normal
Strep Pneumoniae, Drug-Resistant	Old	37	37	0	Below Median	Below Median	Flat	Below Normal
Tb Infection	Old	11	11	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>Campylobacteriosis</i>	75.73	3.28
<i>Cryptosporidiosis</i>	113.59	15.77
<i>E Coli Shiga Toxin Positive</i>	12.62	3.74
<i>E. Coli O157 H7</i>	12.62	5.35
<i>Ehrlichia chaffeensis</i>	12.62	3.10
<i>Giardiasis</i>	25.24	4.37
<i>Hepatitis B Chronic Infection</i>	12.62	1.76
<i>Hepatitis C, Chronic Infection</i>	75.73	0.90
<i>Influenza</i>	12.62	0.93
<i>Lyme</i>	12.62	50.44
<i>Pertussis</i>	25.24	4.56
<i>Rocky Mountain Spotted Fever</i>	25.24	3.96
<i>Strep Pneumoniae, Drug-Resistant</i>	12.62	2.73
<i>Tb Infection</i>	12.62	0.26

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

Weekly Communicable Disease Reports

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

(Z-Scores greater than 2.0)

Dade County