

Missouri Department of Health and Senior  
Services (DHSS)

Weekly Communicable Disease Report  
for the

**Franklin County**

Missouri Department of Health and Senior Services (DHSS)

**Weekly Communicable Disease Report**

for the

**Franklin 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**

**Franklin County**

<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	198	196	195	No Data	75	No Data	1.0%	163.1%	211.07	1.67	1	50
Campylobacteriosis	20	19	17	9	10	15	5.3%	100.0%	21.32	0.92	16	50
Cryptosporidiosis	9	9	8	3	3	4	0.0%	200.0%	9.59	1.33	21	49
E Coli Shiga Toxin Positive	3	3	3	2	2	4	0.0%	50.0%	3.20	0.95	5	29
E. Coli O157 H7	3	3	3	1	1	3	0.0%	200.0%	3.20	1.36	2	44
Ehrlichia chaffeensis	3	3	3	1	3	5	0.0%	20.0%	3.20	0.78	27	35
Ehrlichia ewingii	1	1	1	No Data	0	No Data	0.0%	0.0%	1.07	6.63	30	30
Giardiasis	9	9	9	2	5	8	0.0%	80.0%	9.59	1.66	10	42
Haemophilus Influenzae, Invasive	1	1	1	1	5	5	0.0%	( 80.0%)	1.07	0.45	23	23
Hepatitis B Chronic Infection	6	6	6	1	2	3	0.0%	300.0%	6.40	0.89	1	37
Hepatitis C, Chronic Infection	82	82	81	60	66	80	0.0%	24.2%	87.41	1.03	2	49
Influenza	19	15	11	No Data	58	No Data	26.7%	( 67.4%)	20.25	1.49	41	50
Legionellosis	3	3	3	1	2	2	0.0%	100.0%	3.20	1.18	34	40
Malaria	1	1	1	No Data	0	No Data	0.0%	0.0%	1.07	3.51	33	33
Rabies Animal	1	1	1	1	1	1	0.0%	0.0%	1.07	2.29	39	39
Rabies Post Exposure Prophylaxis	11	11	11	No Data	5	No Data	0.0%	103.7%	11.73	1.27	1	45
Salmonellosis	15	15	15	14	14	17	0.0%	7.1%	15.99	0.90	11	46
Shiga Toxin + (Non E. Coli/Unknown Organism)	1	1	1	No Data	0	No Data	0.0%	0.0%	1.07	5.42	27	27
Shigellosis	3	3	3	3	4	14	0.0%	( 14.3%)	3.20	0.22	32	39
Strep Disease, Group A Invasive	2	2	2	1	2	3	0.0%	0.0%	2.13	0.99	15	29
Strep Pneumoniae, Drug-Resistant	2	2	2	1	1	1	0.0%	100.0%	2.13	0.46	46	47
Tb Infection	17	17	17	8	9	10	0.0%	88.9%	18.12	0.37	2	43

<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**

**Franklin County**

<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	2	Above Median	Above Median	Increase	Above Normal
Campylobacteriosis	Old	16	16	1	Above 3 <sup>rd</sup> Quartile	Above 3 <sup>rd</sup> Quartile	Increase	Elevated
Cryptosporidiosis	Old	21	21	0	Above Maximum	Above Maximum	Flat	Very Elevated
E Coli Shiga Toxin Positive	Old	5	5	0	Above Median	Above Median	Flat	Above Normal
E. Coli O157 H7	Old	2	2	0	Above Median	Above Median	Flat	Above Normal
Ehrlichia chaffeensis	Old	27	27	0	Above Median	Above Median	Flat	Above Normal
Ehrlichia ewingii	Old	30	30	0	Above Median	Above Median	Flat	Above Normal
Giardiasis	Old	10	10	0	Above 3 <sup>rd</sup> Quartile	Above 3 <sup>rd</sup> Quartile	Flat	Elevated
Haemophilus Influenzae, Invasive	Old	23	23	0	Below Median	Below Median	Flat	Below Normal
Hepatitis B Chronic Infection	Old	1	1	0	Above Maximum	Above Maximum	Flat	Very Elevated
Hepatitis C, Chronic Infection	Old	2	2	1	Above 3 <sup>rd</sup> Quartile	Above Maximum	Increase	Elevated
Influenza	Old	41	41	4	Below Median	Below Median	Increase	Below Normal
Legionellosis	Old	34	34	0	Above Maximum	Above Maximum	Flat	Very Elevated
Malaria	Old	33	33	0	Above Median	Above Median	Flat	Above Normal
Rabies Animal	Old	39	39	0	Below Median	Below Median	Flat	Below Normal
Rabies Post Exposure Prophylaxis	Old	1	1	0	Above Median	Above Median	Flat	Above Normal
Salmonellosis	Old	11	11	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

**Franklin County**

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>
Shiga Toxin + (Non E. Coli/Unknown Organism)	Old	27	27	0	Above Median	Above Median	Flat	Above Normal
Shigellosis	Old	32	32	0	Below Median	Below Median	Flat	Below Normal
Strep Disease, Group A Invasive	Old	15	15	0	Below Median	Below Median	Flat	Below Normal
Strep Pneumoniae, Drug-Resistant	Old	46	46	0	Above Maximum	Above Maximum	Flat	Very Elevated
Tb Infection	Old	2	2	0	Above 3 <sup>rd</sup> Quartile	Above 3 <sup>rd</sup> Quartile	Flat	Elevated

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

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<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>	211.07	1.67
<i>Campylobacteriosis</i>	21.32	0.92
<i>Cryptosporidiosis</i>	9.59	1.33
<i>E Coli Shiga Toxin Positive</i>	3.20	0.95
<i>E. Coli O157 H7</i>	3.20	1.36
<i>Ehrlichia chaffeensis</i>	3.20	0.78
<i>Ehrlichia ewingii</i>	1.07	6.63
<i>Giardiasis</i>	9.59	1.66
<i>Haemophilus Influenzae, Invasive</i>	1.07	0.45
<i>Hepatitis B Chronic Infection</i>	6.40	0.89
<i>Hepatitis C, Chronic Infection</i>	87.41	1.03
<i>Influenza</i>	20.25	1.49
<i>Legionellosis</i>	3.20	1.18
<i>Malaria</i>	1.07	3.51
<i>Rabies Animal</i>	1.07	2.29
<i>Rabies Post Exposure Prophylaxis</i>	11.73	1.27
<i>Salmonellosis</i>	15.99	0.90
<i>Shiga Toxin + (Non E. Coli/Unknown Organism)</i>	1.07	5.42
<i>Shigellosis</i>	3.20	0.22
<i>Strep Disease, Group A Invasive</i>	2.13	0.99
<i>Strep Pneumoniae, Drug-Resistant</i>	2.13	0.46
<i>Tb Infection</i>	18.12	0.37

<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**

**Franklin County**

<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		0.8	0.4	0.5	0.5	0.0	0.6
Hepatitis C, Chronic Infection		0.3	2.8	0.5	2.8	0.8	2.8
Salmonellosis		0.0	0.8	0.3	0.8	0.3	0.9

<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.

**Franklin County**

