

Missouri Department of Health and Senior  
Services (DHSS)

Weekly Communicable Disease Report  
for the

**Jasper County**

Missouri Department of Health and Senior Services (DHSS)

**Weekly Communicable Disease Report**

for the

**Jasper 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**

**Jasper 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>
Anaplasma phagocytophilum	2	2	2	2	2	2	0.0%	0.0%	3.11	17.42	35	39
Animal Bites	129	126	122	No Data	100	No Data	2.4%	29.2%	200.77	1.59	1	50
Campylobacteriosis	38	38	37	4	5	35	0.0%	660.0%	59.14	2.56	1	49
Cryptosporidiosis	6	6	6	4	6	10	0.0%	0.0%	9.34	1.30	20	28
Dengue Fever	1	1	1	No Data	0	No Data	0.0%	0.0%	1.56	7.26	6	6
E Coli Shiga Toxin Positive	1	1	1	3	4	6	0.0%	( 75.0%)	1.56	0.46	28	28
Ehrlichia chaffeensis	1	1	1	4	5	6	0.0%	( 80.0%)	1.56	0.38	28	28
Giardiasis	3	3	3	4	4	4	0.0%	( 25.0%)	4.67	0.81	25	41
Haemophilus Influenzae, Invasive	1	1	1	1	3	5	0.0%	( 66.7%)	1.56	0.65	45	45
Hemolytic Uremic Syndrome	2	2	2	2	2	2	0.0%	0.0%	3.11	9.68	5	32
Hepatitis B (Pregnancy) Prenatal	2	2	2	1	1	1	0.0%	100.0%	3.11	1.78	38	45
Hepatitis B Chronic Infection	2	2	2	2	2	3	0.0%	0.0%	3.11	0.43	36	44
Hepatitis C, Chronic Infection	29	29	29	47	74	75	0.0%	( 60.8%)	45.13	0.53	2	45
Influenza	11	10	8	No Data	27	No Data	10.0%	( 59.0%)	17.12	1.26	43	50
Legionellosis	5	5	5	2	2	3	0.0%	150.0%	7.78	2.86	12	44
Pertussis	1	1	1	1	4	12	0.0%	( 75.0%)	1.56	0.28	32	32
Rabies Post Exposure Prophylaxis	2	1	1	No Data	4	No Data	100.0%	( 42.9%)	3.11	0.34	13	50
Rocky Mountain Spotted Fever	2	2	2	5	8	8	0.0%	( 75.0%)	3.11	0.49	24	32
Salmonellosis	19	19	19	11	17	19	0.0%	11.8%	29.57	1.67	12	47
Shigellosis	1	1	1	1	3	26	0.0%	( 66.7%)	1.56	0.11	9	9
Strep Pneumoniae, Drug-Resistant	2	2	2	1	1	1	0.0%	100.0%	3.11	0.67	18	45
Tb Infection	34	34	34	27	41	48	0.0%	( 17.1%)	52.92	1.07	1	40
Tuberculosis	1	1	1	1	2	3	0.0%	( 50.0%)	1.56	0.92	35	35
Varicella (Chickenpox)	4	4	4	No Data	13	No Data	0.0%	( 70.1%)	6.23	2.35	7	13

<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**

**Jasper 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>
Anaplasma phagocytophilum	Old	35	35	0	Below Median	Below Median	Flat	Below Normal
Animal Bites	Old	1	1	7	Above Median	Above Median	Increase	Above Normal
Campylobacteriosis	Old	1	1	0	Above Maximum	Above Maximum	Flat	Very Elevated
Cryptosporidiosis	Old	20	20	0	Below Median	Above Median	Flat	Below Normal
Dengue Fever	Old	6	6	0	Above Median	Above Median	Flat	Above Normal
E Coli Shiga Toxin Positive	Old	28	28	0	Below Median	Below Median	Flat	Below Normal
Ehrlichia chaffeensis	Old	28	28	0	Below Median	Below Median	Flat	Below Normal
Giardiasis	Old	25	25	0	Below Median	Below Median	Flat	Below Normal
Haemophilus Influenzae, Invasive	Old	45	45	0	Below Median	Below Median	Flat	Below Normal
Hemolytic Uremic Syndrome	Old	5	5	0	Below Median	Below Median	Flat	Below Normal
Hepatitis B (Pregnancy) Prenatal	Old	38	38	0	Above 3 <sup>rd</sup> Quartile	Above 3 <sup>rd</sup> Quartile	Flat	Elevated
Hepatitis B Chronic Infection	Old	36	36	0	Below Median	Below Median	Flat	Below Normal
Hepatitis C, Chronic Infection	Old	2	2	0	Below Median	Below Median	Flat	Below Normal
Influenza	Old	43	43	3	Below Median	Below Median	Increase	Below Normal
Legionellosis	Old	12	12	0	Above Maximum	Above Maximum	Flat	Very Elevated
Pertussis	Old	32	32	0	Below Median	Below Median	Flat	Below Normal
Rabies Post Exposure Prophylaxis	Old	13	13	1	Below Median	Below Median	Increase	Below Normal
Rocky Mountain Spotted Fever	Old	24	24	0	Below Median	Below Median	Flat	Below Normal
Salmonellosis	Old	12	12	0	Above 3 <sup>rd</sup> Quartile	Above 3 <sup>rd</sup> Quartile	Flat	Elevated
Shigellosis	Old	9	9	0	Below Median	Below Median	Flat	Below Normal
Strep Pneumoniae, Drug-Resistant	Old	18	18	1	Above Maximum	Below Median	Increase	Very Elevated
Tb Infection	Old	1	1	0	Below Median	Below Median	Flat	Below Normal
Tuberculosis	Old	35	35	0	Below Median	Below Median	Flat	Below Normal
Varicella (Chickenpox)	Old	7	7	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>Anaplasma phagocytophilum</i>	3.11	17.42
<i>Animal Bites</i>	200.77	1.59
<i>Campylobacteriosis</i>	59.14	2.56
<i>Cryptosporidiosis</i>	9.34	1.30
<i>Dengue Fever</i>	1.56	7.26
<i>E Coli Shiga Toxin Positive</i>	1.56	0.46
<i>Ehrlichia chaffeensis</i>	1.56	0.38
<i>Giardiasis</i>	4.67	0.81
<i>Haemophilus Influenzae, Invasive</i>	1.56	0.65
<i>Hemolytic Uremic Syndrome</i>	3.11	9.68
<i>Hepatitis B (Pregnancy) Prenatal</i>	3.11	1.78
<i>Hepatitis B Chronic Infection</i>	3.11	0.43
<i>Hepatitis C, Chronic Infection</i>	45.13	0.53
<i>Influenza</i>	17.12	1.26
<i>Legionellosis</i>	7.78	2.86
<i>Pertussis</i>	1.56	0.28
<i>Rabies Post Exposure Prophylaxis</i>	3.11	0.34
<i>Rocky Mountain Spotted Fever</i>	3.11	0.49
<i>Salmonellosis</i>	29.57	1.67
<i>Shigellosis</i>	1.56	0.11
<i>Strep Pneumoniae, Drug-Resistant</i>	3.11	0.67
<i>Tb Infection</i>	52.92	1.07
<i>Tuberculosis</i>	1.56	0.92
<i>Varicella (Chickenpox)</i>	6.23	2.35

<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**

**Jasper 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		0.3	1.3	0.5	1.3	0.3	1.4
Hepatitis C, Chronic Infection		0.0	2.4	0.0	2.4	0.5	2.4
Salmonellosis		0.3	0.8	0.3	0.9	0.3	0.9
Shigellosis		0.0	0.8	0.0	0.8	0.0	0.8

<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)*

***Jasper County***