

Missouri Department of Health and Senior  
Services (DHSS)

Weekly Communicable Disease Report

for the

**Cedar County**

Missouri Department of Health and Senior Services (DHSS)

**Weekly Communicable Disease Report**

for the

**Cedar 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**

**Cedar County**

<i>Disease or Condition</i>	<i>Week 50 YTD<sup>1</sup></i>	<i>Week 49 YTD<sup>1</sup></i>	<i>Week 48 YTD<sup>1</sup></i>	<i>Five Year 1<sup>st</sup> Quartile</i>	<i>Five Year Median</i>	<i>Five Year 3<sup>rd</sup> 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 Reported<sup>2</sup></i>	<i>Last Week Reported<sup>2</sup></i>
Animal Bites	19	19	19	No Data	16	No Data	0.0%	17.5%	138.35	1.10	1	47
Campylobacteriosis	3	3	3	2	2	3	0.0%	50.0%	21.85	0.95	29	34
Cryptosporidiosis	2	2	2	No Data	0	No Data	0.0%	0.0%	14.56	2.02	5	34
Ehrlichia chaffeensis	2	2	2	2	3	4	0.0%	( 20.0%)	14.56	3.57	25	30
Giardiasis	1	1	1	1	2	3	0.0%	( 50.0%)	7.28	1.26	48	48
Hepatitis B Chronic Infection	1	1	1	1	1	1	0.0%	0.0%	7.28	1.02	2	2
Hepatitis C Acute	1	1	1	No Data	0	No Data	0.0%	0.0%	7.28	16.98	3	3
Hepatitis C, Chronic Infection	13	13	13	7	8	13	0.0%	62.5%	94.66	1.12	2	42
Influenza	1	1	1	No Data	1	No Data	0.0%	0.0%	7.28	0.54	48	48
Lyme	1	1	1	No Data	0	No Data	0.0%	0.0%	7.28	29.10	34	34
Pertussis	1	1	1	1	2	2	0.0%	( 33.3%)	7.28	1.31	5	5
Rabies Post Exposure Prophylaxis	1	1	1	No Data	1	No Data	0.0%	0.0%	7.28	0.79	25	25
Rocky Mountain Spotted Fever	2	2	2	1	2	5	0.0%	0.0%	14.56	2.28	37	41
Tb Infection	3	3	3	1	1	2	0.0%	200.0%	21.85	0.44	15	32
Varicella (Chickenpox)	6	6	6	No Data	3	No Data	0.0%	84.6%	43.69	16.52	33	45

<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**

**Cedar County**

<i>Disease or Condition</i>	<i>Data Status</i> <sup>1,2</sup>	<i>1<sup>st</sup> Week Reported Current Report</i>	<i>1<sup>st</sup> Week Reported Last Report</i>	<i>Change in Count</i>	<i>Week 50 Quartile Results</i> <sup>3</sup>	<i>Week 49 Quartile Results</i> <sup>4</sup>	<i>Data Trend Analysis</i> <sup>5</sup>	<i>Data Elevation Analysis</i> <sup>6</sup>
Animal Bites	Old	1	1	0	Above Median	Above Median	Flat	Above Normal
Campylobacteriosis	Old	29	29	0	Above 3 <sup>rd</sup> Quartile	Above 3 <sup>rd</sup> Quartile	Flat	Elevated
Cryptosporidiosis	Old	5	5	0	Above Median	Above Median	Flat	Above Normal
Ehrlichia chaffeensis	Old	25	25	0	Below Median	Below Median	Flat	Below Normal
Giardiasis	Old	48		1	Below Median	Below Median	Increase	Below Normal
Hepatitis B Chronic Infection	Old	2	2	0	Below Median	Below Median	Flat	Below Normal
Hepatitis C Acute	Old	3	3	0	Above Median	Above Median	Flat	Above Normal
Hepatitis C, Chronic Infection	Old	2	2	0	Above 3 <sup>rd</sup> Quartile	Above 3 <sup>rd</sup> Quartile	Flat	Elevated
Influenza	Old	48	48	0	Below Median	Above Median	Flat	Below Normal
Lyme	Old	34	34	0	Above Median	Above Median	Flat	Above Normal
Pertussis	Old	5	5	0	Below Median	Below Median	Flat	Below Normal
Rabies Post Exposure Prophylaxis	Old	25	25	0	Below Median	Below Median	Flat	Below Normal
Rocky Mountain Spotted Fever	Old	37	37	0	Below Median	Below Median	Flat	Below Normal
Tb Infection	Old	15	15	0	Above Maximum	Above Maximum	Flat	Very Elevated
Varicella (Chickenpox)	Old	33	33	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  
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>	138.35	1.10
<i>Campylobacteriosis</i>	21.85	0.95
<i>Cryptosporidiosis</i>	14.56	2.02
<i>Ehrlichia chaffeensis</i>	14.56	3.57
<i>Giardiasis</i>	7.28	1.26
<i>Hepatitis B Chronic Infection</i>	7.28	1.02
<i>Hepatitis C Acute</i>	7.28	16.98
<i>Hepatitis C, Chronic Infection</i>	94.66	1.12
<i>Influenza</i>	7.28	0.54
<i>Lyme</i>	7.28	29.10
<i>Pertussis</i>	7.28	1.31
<i>Rabies Post Exposure Prophylaxis</i>	7.28	0.79
<i>Rocky Mountain Spotted Fever</i>	14.56	2.28
<i>Tb Infection</i>	21.85	0.44
<i>Varicella (Chickenpox)</i>	43.69	16.52

<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**

**Cedar 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>
Hepatitis C, Chronic Infection		0.0	0.6	0.0	0.6	0.0	0.6

<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)

**Cedar County**