

Missouri Department of Health and Senior  
Services (DHSS)

Weekly Communicable Disease Report  
for the

**Lincoln County**

Missouri Department of Health and Senior Services (DHSS)

**Weekly Communicable Disease Report**

for the

**Lincoln 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**

**Lincoln 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	87	86	86	No Data	62	No Data	1.2%	40.5%	223.40	1.77	2	50
Campylobacteriosis	6	6	6	8	8	8	0.0%	( 25.0%)	15.41	0.67	14	30
Cryptosporidiosis	4	4	4	1	1	1	0.0%	300.0%	10.27	1.43	13	34
E Coli Shiga Toxin Positive	1	1	1	2	2	2	0.0%	( 50.0%)	2.57	0.76	29	29
E. Coli O157 H7	3	3	3	1	2	3	0.0%	50.0%	7.70	3.27	48	48
Haemophilus Influenzae, Invasive	3	3	3	1	1	1	0.0%	200.0%	7.70	3.22	1	46
Hepatitis B (Pregnancy) Prenatal	1	1	1	1	1	1	0.0%	0.0%	2.57	1.47	46	46
Hepatitis B Chronic Infection	1	1	1	1	1	2	0.0%	0.0%	2.57	0.36	4	4
Hepatitis C, Chronic Infection	26	25	24	41	42	49	4.0%	( 38.1%)	66.76	0.79	1	50
Influenza	6	5	4	No Data	74	No Data	20.0%	( 91.9%)	15.41	1.13	41	50
Legionellosis	1	1	1	2	3	3	0.0%	( 60.0%)	2.57	0.95	29	29
Rocky Mountain Spotted Fever	1	1	1	2	2	2	0.0%	( 50.0%)	2.57	0.40	24	24
Salmonellosis	13	12	12	9	11	12	8.3%	18.2%	33.38	1.89	18	50
Staph Aureus VISA	1	1	1	No Data	0	No Data	0.0%	0.0%	2.57	5.99	34	34
Strep Disease, Group A Invasive	1	1	1	2	2	3	0.0%	( 50.0%)	2.57	1.19	5	5
Strep Pneumoniae, Drug-Resistant	6	6	6	1	1	1	0.0%	500.0%	15.41	3.33	14	48
Tb Infection	12	12	12	10	10	11	0.0%	20.0%	30.81	0.62	8	41

<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**

**Lincoln 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	2	2	1	Above Median	Above Median	Increase	Above Normal
Campylobacteriosis	Old	14	14	0	Below Median	Below Median	Flat	Below Normal
Cryptosporidiosis	Old	13	13	0	Above Maximum	Above Maximum	Flat	Very Elevated
E Coli Shiga Toxin Positive	Old	29	29	0	Below Median	Below Median	Flat	Below Normal
E. Coli O157 H7	Old	48	48	0	Above Median	Above Median	Flat	Above Normal
Haemophilus Influenzae, Invasive	Old	1	1	0	Above Maximum	Above Maximum	Flat	Very Elevated
Hepatitis B (Pregnancy) Prenatal	Old	46	46	0	Below Median	Below Median	Flat	Below Normal
Hepatitis B Chronic Infection	Old	4	4	0	Below Median	Below Median	Flat	Below Normal
Hepatitis C, Chronic Infection	Old	1	1	2	Below Median	Below Median	Increase	Below Normal
Influenza	Old	41	41	1	Below Median	Below Median	Increase	Below Normal
Legionellosis	Old	29	29	0	Below Median	Below Median	Flat	Below Normal
Rocky Mountain Spotted Fever	Old	24	24	0	Below Median	Below Median	Flat	Below Normal
Salmonellosis	Old	18	18	1	Above 3 <sup>rd</sup> Quartile	Above Median	Increase	Elevated
Staph Aureus VISA	Old	34	34	0	Above Median	Above Median	Flat	Above Normal
Strep Disease, Group A Invasive	Old	5	5	0	Below Median	Below Median	Flat	Below Normal
Strep Pneumoniae, Drug-Resistant	Old	14	14	0	Above Maximum	Above Maximum	Flat	Very Elevated
Tb Infection	Old	8	8	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

<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>	223.40	1.77
<i>Campylobacteriosis</i>	15.41	0.67
<i>Cryptosporidiosis</i>	10.27	1.43
<i>E Coli Shiga Toxin Positive</i>	2.57	0.76
<i>E. Coli O157 H7</i>	7.70	3.27
<i>Haemophilus Influenzae, Invasive</i>	7.70	3.22
<i>Hepatitis B (Pregnancy) Prenatal</i>	2.57	1.47
<i>Hepatitis B Chronic Infection</i>	2.57	0.36
<i>Hepatitis C, Chronic Infection</i>	66.76	0.79
<i>Influenza</i>	15.41	1.13
<i>Legionellosis</i>	2.57	0.95
<i>Rocky Mountain Spotted Fever</i>	2.57	0.40
<i>Salmonellosis</i>	33.38	1.89
<i>Staph Aureus VISA</i>	2.57	5.99
<i>Strep Disease, Group A Invasive</i>	2.57	1.19
<i>Strep Pneumoniae, Drug-Resistant</i>	15.41	3.33
<i>Tb Infection</i>	30.81	0.62

<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**

**Lincoln 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		0.0	0.5	0.0	0.5	0.0	0.5
Hepatitis C, Chronic Infection		0.5	1.6	0.3	1.6	0.0	1.8
Salmonellosis		0.3	0.4	0.0	0.5	0.0	0.5

<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)*

***Lincoln County***