

Missouri Department of Health and Senior  
Services (DHSS)

Weekly Communicable Disease Report  
for the

**Pike County**

Missouri Department of Health and Senior Services (DHSS)

**Weekly Communicable Disease Report**

for the

**Pike 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**

**Pike 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	20	20	20	No Data	23	No Data	0.0%	( 11.8%)	108.99	0.86	3	48
Campylobacteriosis	1	1	1	3	3	4	0.0%	( 66.7%)	5.45	0.24	14	14
Cryptosporidiosis	1	1	1	No Data	0	No Data	0.0%	0.0%	5.45	0.76	4	4
Hepatitis B Chronic Infection	1	1	1	2	2	4	0.0%	( 50.0%)	5.45	0.76	32	32
Hepatitis C, Chronic Infection	24	23	23	15	16	22	4.3%	50.0%	130.78	1.55	1	50
Influenza	2	2	2	No Data	14	No Data	0.0%	( 85.7%)	10.90	0.80	48	48
Legionellosis	1	1	1	2	2	2	0.0%	( 50.0%)	5.45	2.01	29	29
Rocky Mountain Spotted Fever	1	1	1	2	4	6	0.0%	( 75.0%)	5.45	0.85	31	31
Salmonellosis	1	1	1	2	5	7	0.0%	( 80.0%)	5.45	0.31	38	38
Strep Disease, Group A Invasive	1	1	1	1	1	1	0.0%	0.0%	5.45	2.52	29	29
Strep Pneumoniae, Drug-Resistant	2	2	2	1	1	1	0.0%	100.0%	10.90	2.35	16	41
Tb Infection	4	4	4	2	3	5	0.0%	33.3%	21.80	0.44	10	23
Tularemia	1	1	1	1	1	1	0.0%	0.0%	5.45	7.09	26	26
Varicella (Chickenpox)	1	1	1	No Data	7	No Data	0.0%	( 85.0%)	5.45	2.06	35	35

<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**

**Pike 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	3	3	0	Below Median	Below Median	Flat	Below Normal
Campylobacteriosis	Old	14	14	0	Below Median	Below Median	Flat	Below Normal
Cryptosporidiosis	Old	4	4	0	Above Median	Above Median	Flat	Above Normal
Hepatitis B Chronic Infection	Old	32	32	0	Below Median	Below Median	Flat	Below Normal
Hepatitis C, Chronic Infection	Old	1	1	1	Above 3 <sup>rd</sup> Quartile	Above 3 <sup>rd</sup> Quartile	Increase	Elevated
Influenza	Old	48	48	0	Below Median	Below Median	Flat	Below Normal
Legionellosis	Old	29	29	0	Below Median	Below Median	Flat	Below Normal
Rocky Mountain Spotted Fever	Old	31	31	0	Below Median	Below Median	Flat	Below Normal
Salmonellosis	Old	38	38	0	Below Median	Below Median	Flat	Below Normal
Strep Disease, Group A Invasive	Old	29	29	0	Below Median	Below Median	Flat	Below Normal
Strep Pneumoniae, Drug-Resistant	Old	16	16	0	Above Maximum	Above Median	Flat	Very Elevated
Tb Infection	Old	10	10	0	Above Median	Above Median	Flat	Above Normal
Tularemia	Old	26	26	0	Below Median	Below Median	Flat	Below Normal
Varicella (Chickenpox)	Old	35	35	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>Animal Bites</i>	108.99	0.86
<i>Campylobacteriosis</i>	5.45	0.24
<i>Cryptosporidiosis</i>	5.45	0.76
<i>Hepatitis B Chronic Infection</i>	5.45	0.76
<i>Hepatitis C, Chronic Infection</i>	130.78	1.55
<i>Influenza</i>	10.90	0.80
<i>Legionellosis</i>	5.45	2.01
<i>Rocky Mountain Spotted Fever</i>	5.45	0.85
<i>Salmonellosis</i>	5.45	0.31
<i>Strep Disease, Group A Invasive</i>	5.45	2.52
<i>Strep Pneumoniae, Drug-Resistant</i>	10.90	2.35
<i>Tb Infection</i>	21.80	0.44
<i>Tularemia</i>	5.45	7.09
<i>Varicella (Chickenpox)</i>	5.45	2.06

<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

**Pike 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		0.3	1.4	0.0	1.4	0.3	1.4
Salmonellosis		0.0	0.3	0.0	0.3	0.0	0.3

<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.

***Pike County***