

Missouri Department of Health and Senior
Services (DHSS)

Weekly Communicable Disease Report
for the

Livingston County

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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**

Livingston County

<i>Disease or Condition</i>	<i>Week 50 YTD¹</i>	<i>Week 49 YTD¹</i>	<i>Week 48 YTD¹</i>	<i>Five Year 1st Quartile</i>	<i>Five Year Median</i>	<i>Five Year 3rd 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 Reported²</i>	<i>Last Week Reported²</i>
Animal Bites	36	35	33	No Data	32	No Data	2.9%	14.3%	247.29	1.96	4	50
Campylobacteriosis	2	2	2	1	2	4	0.0%	0.0%	13.74	0.59	20	21
Giardiasis	1	1	1	1	2	2	0.0%	(33.3%)	6.87	1.19	21	21
Haemophilus Influenzae, Invasive	1	1	1	1	1	1	0.0%	0.0%	6.87	2.87	38	38
Hepatitis C, Chronic Infection	3	3	3	10	11	22	0.0%	(72.7%)	20.61	0.24	11	43
Influenza	2	1	1	No Data	2	No Data	100.0%	(11.1%)	13.74	1.01	41	50
Rabies Post Exposure Prophylaxis	1	1	1	No Data	3	No Data	0.0%	(66.7%)	6.87	0.75	27	27
Salmonellosis	3	3	3	1	2	4	0.0%	50.0%	20.61	1.16	21	32
Strep Pneumoniae, Drug-Resistant	3	3	3	1	2	2	0.0%	50.0%	20.61	4.45	36	48
Tb Infection	3	3	3	1	1	2	0.0%	200.0%	20.61	0.42	5	29

¹ **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.

² **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
Livingston County

<i>Disease or Condition</i>	<i>Data Status</i> ^{1,2}	<i>1st Week Reported Current Report</i>	<i>1st Week Reported Last Report</i>	<i>Change in Count</i>	<i>Week 50 Quartile Results</i> ³	<i>Week 49 Quartile Results</i> ⁴	<i>Data Trend Analysis</i> ⁵	<i>Data Elevation Analysis</i> ⁶
Animal Bites	Old	4	4	1	Above Median	Above Median	Increase	Above Normal
Campylobacteriosis	Old	20	20	0	Below Median	Below Median	Flat	Below Normal
Giardiasis	Old	21	21	0	Below Median	Below Median	Flat	Below Normal
Haemophilus Influenzae, Invasive	Old	38	38	0	Below Median	Below Median	Flat	Below Normal
Hepatitis C, Chronic Infection	Old	11	11	0	Below Median	Below Median	Flat	Below Normal
Influenza	Old	41	41	1	Below Median	Below Median	Increase	Below Normal
Rabies Post Exposure Prophylaxis	Old	27	27	0	Below Median	Below Median	Flat	Below Normal
Salmonellosis	Old	21	21	0	Above Median	Above Median	Flat	Above Normal
Strep Pneumoniae, Drug-Resistant	Old	36	36	0	Above Maximum	Above Maximum	Flat	Very Elevated
Tb Infection	Old	5	5	0	Above 3 rd Quartile	Above 3 rd Quartile	Flat	Elevated

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

² First Week Reported and/or First Occurrence of Disease or Condition in 2016

³ Week 50 Quartile Results are from the Current Report

⁴ Week 49 Quartile Results are from the Last Report

⁵ Based on Change in Count Current Report vs Last Report

⁶ Based on Quartile Analysis from Current Report where: Below Normal=below median, Above Normal= above median, Elevated=above 3rd 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> ¹	<i>Relative Rate</i> ^{2,3,4}
<i>Animal Bites</i>	247.29	1.96
<i>Campylobacteriosis</i>	13.74	0.59
<i>Giardiasis</i>	6.87	1.19
<i>Haemophilus Influenzae, Invasive</i>	6.87	2.87
<i>Hepatitis C, Chronic Infection</i>	20.61	0.24
<i>Influenza</i>	13.74	1.01
<i>Rabies Post Exposure Prophylaxis</i>	6.87	0.75
<i>Salmonellosis</i>	20.61	1.16
<i>Strep Pneumoniae, Drug-Resistant</i>	20.61	4.45
<i>Tb Infection</i>	20.61	0.42

¹ Rates are Year-to-Date Counts per 100,000 population for Week 50, 2016

² The relative rate is computed as the county or district rate divided by the overall state rate

³ Relative rate between 2.0 and 3.0

⁴ 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

Livingston County

<i>Disease or Condition</i>	<i>Analysis Results ¹</i>	<i>4-week Count Mean for Week 50 ²</i>	<i>Upper Limit for Week 50 ³</i>	<i>4-week Count Mean for Week 49 ²</i>	<i>Upper Limit for Week 49 ³</i>	<i>4-week Count Mean for Week 48 ²</i>	<i>Upper Limit for Week 48 ³</i>
Hepatitis C, Chronic Infection		0.0	0.4	0.0	0.4	0.0	0.5

¹ **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.

² **4-week Count mean based on the current and 3 previous weeks.**

³ **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.**

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