

Missouri Department of Health and Senior
Services (DHSS)

Weekly Communicable Disease Report
for the

Henry County

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Weekly Communicable Disease Report

for the

Henry 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**

Henry 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	18	18	17	No Data	23	No Data	0.0%	(21.2%)	81.83	0.65	5	49
Campylobacteriosis	5	5	5	3	3	3	0.0%	66.7%	22.73	0.98	21	44
Giardiasis	1	1	1	2	2	2	0.0%	(50.0%)	4.55	0.79	20	20
Haemophilus Influenzae, Invasive	1	1	1	No Data	0	No Data	0.0%	0.0%	4.55	1.90	26	26
Hepatitis C, Chronic Infection	10	10	10	19	20	21	0.0%	(50.0%)	45.46	0.54	1	41
Influenza	1	1	1	No Data	11	No Data	0.0%	(90.9%)	4.55	0.33	44	44
Legionellosis	1	1	1	1	1	1	0.0%	0.0%	4.55	1.67	18	18
Rocky Mountain Spotted Fever	1	1	1	3	3	4	0.0%	(66.7%)	4.55	0.71	36	36
Strep Disease, Group A Invasive	1	1	1	No Data	0	No Data	0.0%	0.0%	4.55	2.10	14	14
Tb Infection	2	2	2	2	3	4	0.0%	(33.3%)	9.09	0.18	29	33
Varicella (Chickenpox)	2	2	2	No Data	3	No Data	0.0%	(40.0%)	9.09	3.44	1	1

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

Henry 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	5	5	0	Below Median	Below Median	Flat	Below Normal
Campylobacteriosis	Old	21	21	0	Above Maximum	Above Maximum	Flat	Very Elevated
Giardiasis	Old	20	20	0	Below Median	Below Median	Flat	Below Normal
Haemophilus Influenzae, Invasive	Old	26	26	0	Above Median	Above Median	Flat	Above Normal
Hepatitis C, Chronic Infection	Old	1	1	0	Below Median	Below Median	Flat	Below Normal
Influenza	Old	44	44	0	Below Median	Below Median	Flat	Below Normal
Legionellosis	Old	18	18	0	Below Median	Below Median	Flat	Below Normal
Rocky Mountain Spotted Fever	Old	36	36	0	Below Median	Below Median	Flat	Below Normal
Strep Disease, Group A Invasive	Old	14	14	0	Above Median	Above Median	Flat	Above Normal
Tb Infection	Old	29	29	0	Below Median	Below Median	Flat	Below Normal
Varicella (Chickenpox)	Old	1	1	0	Below Median	Below Median	Flat	Below Normal

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>	81.83	0.65
<i>Campylobacteriosis</i>	22.73	0.98
<i>Giardiasis</i>	4.55	0.79
<i>Haemophilus Influenzae, Invasive</i>	4.55	1.90
<i>Hepatitis C, Chronic Infection</i>	45.46	0.54
<i>Influenza</i>	4.55	0.33
<i>Legionellosis</i>	4.55	1.67
<i>Rocky Mountain Spotted Fever</i>	4.55	0.71
<i>Strep Disease, Group A Invasive</i>	4.55	2.10
<i>Tb Infection</i>	9.09	0.18
<i>Varicella (Chickenpox)</i>	9.09	3.44

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

Henry 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	0.9	0.0	0.9	0.0	0.9

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.**

Weekly Communicable Disease Reports

4-week Count Mean Z-Scores for Week 50, 2016

(Z-Scores greater than 2.0)

Henry County