

Missouri Department of Health and Senior
Services (DHSS)

Weekly Communicable Disease Report
for the

Morgan County

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for the

Morgan 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

Morgan 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	23	23	22	No Data	21	No Data	0.0%	10.4%	119.12	0.94	3	51
Campylobacteriosis	2	2	2	1	5	6	0.0%	(60.0%)	10.36	0.45	23	28
Cryptosporidiosis	1	1	1	No Data	0	No Data	0.0%	0.0%	5.18	0.72	27	27
E Coli Shiga Toxin Positive	1	1	1	1	1	1	0.0%	0.0%	5.18	1.53	16	16
Ehrlichia chaffeensis	1	1	1	3	5	6	0.0%	(77.8%)	5.18	1.27	29	29
Giardiasis	2	2	2	1	1	2	0.0%	100.0%	10.36	1.79	17	32
Hepatitis C, Chronic Infection	10	9	8	15	19	25	11.1%	(47.4%)	51.79	0.61	3	50
Influenza	3	3	2	No Data	13	No Data	0.0%	(77.3%)	15.54	1.14	40	49
Legionellosis	1	1	1	1	1	1	0.0%	0.0%	5.18	1.91	40	40
Rocky Mountain Spotted Fever	3	3	3	1	1	1	0.0%	200.0%	15.54	2.44	21	33
Salmonellosis	1	1	1	3	5	5	0.0%	(80.0%)	5.18	0.29	45	45
Shigellosis	9	9	9	1	1	1	0.0%	800.0%	46.61	3.27	18	20
Tb Infection	3	3	3	1	1	1	0.0%	200.0%	15.54	0.31	7	21
Varicella (Chickenpox)	6	6	6	No Data	6	No Data	0.0%	0.0%	31.07	11.75	21	42

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**

Morgan 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	3	3	0	Above Median	Above Median	Flat	Above Normal
Campylobacteriosis	Old	23	23	0	Below Median	Below Median	Flat	Below Normal
Cryptosporidiosis	Old	27	27	0	Above Median	Above Median	Flat	Above Normal
E Coli Shiga Toxin Positive	Old	16	16	0	Below Median	Below Median	Flat	Below Normal
Ehrlichia chaffeensis	Old	29	29	0	Below Median	Below Median	Flat	Below Normal
Giardiasis	Old	17	17	0	Above Median	Above Median	Flat	Above Normal
Hepatitis C, Chronic Infection	Old	3	3	2	Below Median	Below Median	Increase	Below Normal
Influenza	Old	40	40	1	Below Median	Below Median	Increase	Below Normal
Legionellosis	Old	40	40	0	Below Median	Below Median	Flat	Below Normal
Rocky Mountain Spotted Fever	Old	21	21	0	Above Maximum	Above Maximum	Flat	Very Elevated
Salmonellosis	Old	45	45	0	Below Median	Below Median	Flat	Below Normal
Shigellosis	Old	18	18	0	Above Maximum	Above Maximum	Flat	Very Elevated
Tb Infection	Old	7	7	0	Above Maximum	Above Maximum	Flat	Very Elevated
Varicella (Chickenpox)	Old	21	21	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>	119.12	0.94
<i>Campylobacteriosis</i>	10.36	0.45
<i>Cryptosporidiosis</i>	5.18	0.72
<i>E Coli Shiga Toxin Positive</i>	5.18	1.53
<i>Ehrlichia chaffeensis</i>	5.18	1.27
<i>Giardiasis</i>	10.36	1.79
<i>Hepatitis C, Chronic Infection</i>	51.79	0.61
<i>Influenza</i>	15.54	1.14
<i>Legionellosis</i>	5.18	1.91
<i>Rocky Mountain Spotted Fever</i>	15.54	2.44
<i>Salmonellosis</i>	5.18	0.29
<i>Shigellosis</i>	46.61	3.27
<i>Tb Infection</i>	15.54	0.31
<i>Varicella (Chickenpox)</i>	31.07	11.75

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

Morgan County

<i>Disease or Condition</i>	<i>Analysis Results¹</i>	<i>4-week Count Mean for Week 50²</i>	<i>Upper Limit for Week 50³</i>	<i>4-week Count Mean for Week 49²</i>	<i>Upper Limit for Week 49³</i>	<i>4-week Count Mean for Week 48²</i>	<i>Upper Limit for Week 48³</i>
Hepatitis C, Chronic Infection		0.5	0.6	0.3	0.6	0.0	0.6

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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