

Missouri Department of Health and Senior
Services (DHSS)

Weekly Communicable Disease Report
for the

Texas County

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for the

Texas 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

Texas 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	40	40	40	No Data	33	No Data	0.0%	20.9%	173.89	1.38	5	48
Campylobacteriosis	13	13	13	3	5	8	0.0%	160.0%	56.51	2.45	6	48
Cryptosporidiosis	6	6	6	1	1	1	0.0%	500.0%	26.08	3.62	18	38
E Coli Shiga Toxin Positive	1	1	1	1	2	2	0.0%	(33.3%)	4.35	1.29	15	15
E. Coli O157 H7	1	1	1	1	1	1	0.0%	0.0%	4.35	1.84	25	25
Ehrlichia chaffeensis	3	3	3	2	2	2	0.0%	50.0%	13.04	3.20	18	45
Giardiasis	5	5	5	1	1	2	0.0%	400.0%	21.74	3.77	5	33
Hepatitis B Chronic Infection	3	3	3	3	4	4	0.0%	(14.3%)	13.04	1.82	3	40
Hepatitis C, Chronic Infection	17	17	17	31	32	36	0.0%	(46.9%)	73.90	0.87	6	48
Influenza	7	6	6	No Data	11	No Data	16.7%	(34.9%)	30.43	2.24	41	50
Mumps	1	1	0	No Data	0	No Data	0.0%	0.0%	4.35	1.46	49	49
Rabies Animal	1	1	1	1	1	1	0.0%	0.0%	4.35	9.36	29	29
Rabies Post Exposure Prophylaxis	10	10	10	No Data	5	No Data	0.0%	108.3%	43.47	4.72	5	48
Rocky Mountain Spotted Fever	1	1	1	2	3	4	0.0%	(66.7%)	4.35	0.68	22	22
Salmonellosis	4	4	4	3	3	7	0.0%	33.3%	17.39	0.98	12	24
Shigellosis	3	3	3	No Data	0	No Data	0.0%	0.0%	13.04	0.92	22	22
Tb Infection	5	5	5	3	5	8	0.0%	0.0%	21.74	0.44	4	34

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

Texas 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	Above Median	Above Median	Flat	Above Normal
Campylobacteriosis	Old	6	6	0	Above Maximum	Above Maximum	Flat	Very Elevated
Cryptosporidiosis	Old	18	18	0	Above Maximum	Above Maximum	Flat	Very Elevated
E Coli Shiga Toxin Positive	Old	15	15	0	Below Median	Below Median	Flat	Below Normal
E. Coli O157 H7	Old	25	25	0	Below Median	Below Median	Flat	Below Normal
Ehrlichia chaffeensis	Old	18	18	0	Above 3 rd Quartile	Above 3 rd Quartile	Flat	Elevated
Giardiasis	Old	5	5	0	Above Maximum	Above Maximum	Flat	Very Elevated
Hepatitis B Chronic Infection	Old	3	3	0	Below Median	Below Median	Flat	Below Normal
Hepatitis C, Chronic Infection	Old	6	6	1	Below Median	Below Median	Increase	Below Normal
Influenza	Old	41	41	1	Below Median	Below Median	Increase	Below Normal
Mumps	Old	49		1	Above Median	Below Median	Increase	Above Normal
Rabies Animal	Old	29	29	0	Below Median	Below Median	Flat	Below Normal
Rabies Post Exposure Prophylaxis	Old	5	5	0	Above Median	Above Median	Flat	Above Normal
Rocky Mountain Spotted Fever	Old	22	22	0	Below Median	Below Median	Flat	Below Normal
Salmonellosis	Old	12	12	0	Above Median	Above Median	Flat	Above Normal
Shigellosis	Old	22	22	0	Above Median	Above Median	Flat	Above Normal
Tb Infection	Old	4	4	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>	173.89	1.38
<i>Campylobacteriosis</i>	56.51	2.45
<i>Cryptosporidiosis</i>	26.08	3.62
<i>E Coli Shiga Toxin Positive</i>	4.35	1.29
<i>E. Coli O157 H7</i>	4.35	1.84
<i>Ehrlichia chaffeensis</i>	13.04	3.20
<i>Giardiasis</i>	21.74	3.77
<i>Hepatitis B Chronic Infection</i>	13.04	1.82
<i>Hepatitis C, Chronic Infection</i>	73.90	0.87
<i>Influenza</i>	30.43	2.24
<i>Mumps</i>	4.35	1.46
<i>Rabies Animal</i>	4.35	9.36
<i>Rabies Post Exposure Prophylaxis</i>	43.47	4.72
<i>Rocky Mountain Spotted Fever</i>	4.35	0.68
<i>Salmonellosis</i>	17.39	0.98
<i>Shigellosis</i>	13.04	0.92
<i>Tb Infection</i>	21.74	0.44

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

Texas 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		0.3	1.5	0.3	1.6	0.3	1.6

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.**

Weekly Communicable Disease Reports

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

(Z-Scores greater than 2.0)

Texas County