Missouri Department of Health and Senior Services (DHSS)

Weekly Communicable Disease Report

for the

Gasconade County

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Weekly Communicable Disease Report

for the

Gasconade 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

Gasconade County

Disease or Condition	Week 50 YTD[1]	Week 49 YTD[1]	Week 48 YTD[1]	Five Year 1st Quartile	Five Year Median	Five Year 3rd Quartile	Change from Week 49 to Week 50	Change from Week 50 to 5-Year Median	Rate per 100,000 Week 50	Relative Rate Week 50	First Week Reported[2]	Last Week Reported[2]
Animal Bites	16	16	16	No Data	18	No Data	0.0%	(11.1%)	104.29	0.83	12	48
Campylobacteriosis	2	2	2	1	1	2	0.0%	100.0%	13.04	0.56	42	46
Creutzfeldt-Jakob Disease (CJD)	1	1	1	No Data	0	No Data	0.0%	0.0%	6.52	36.47	14	14
E. Coli O157 H7	2	2	2	No Data	0	No Data	0.0%	0.0%	13.04	5.53	24	34
Ehrlichia chaffeensis	1	1	1	1	2	2	0.0%	(50.0%)	6.52	1.60	31	31
Hepatitis B Chronic Infection	1	1	1	1	1	2	0.0%	0.0%	6.52	0.91	14	14
Hepatitis C, Chronic Infection	16	15	15	9	11	15	6.7%	45.5%	104.29	1.23	2	50
Influenza	2	2	1	No Data	9	No Data	0.0%	(78.4%)	13.04	0.96	47	49
Pertussis	3	3	3	6	6	6	0.0%	(50.0%)	19.55	3.53	8	38
Rabies Post Exposure Prophylasis	3	3	3	No Data	2	No Data	0.0%	50.0%	19.55	2.12	23	23
Rocky Mountain Spotted Fever	1	1	1	2	2	2	0.0%	(50.0%)	6.52	1.02	38	38
Salmonellosis	4	4	4	2	3	3	0.0%	33.3%	26.07	1.47	29	40
Shigellosis	1	1	1	1	1	1	0.0%	0.0%	6.52	0.46	26	26
Strep Pneumoniae, Drug-Resistant	1	1	1	No Data	0	No Data	0.0%	0.0%	6.52	1.41	40	40
Tb Infection	4	4	4	1	2	3	0.0%	100.0%	26.07	0.53	1	24
Varicella (Chickenpox)	1	1	1	No Data	1	No Data	0.0%	0.0%	6.52	2.46	21	21

[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

Gasconade County

Disease or Condition	Data Status [1,2]	1st Week Reported Current Report	1st Week Reported Last Report	Change in Count	Week 50 Quartile Results [3]	Week 49 Quartile Results [4]	Data Trend Analysis [5]	Data Elevation Analysis [6]
Animal Bites	Old	12	12	0	Below Median	Below Median	Flat	Below Normal
Campylobacteriosis	Old	42	42	0	Above 3rd Quartile	Above 3rd Quartile	Flat	Elevated
Creutzfeldt-Jakob Disease (CJD)	Old	14	14	0	Above Median	Above Median	Flat	Above Normal
E. Coli O157 H7	Old	24	24	0	Above Median	Above Median	Flat	Above Normal
Ehrlichia chaffeensis	Old	31	31	0	Below Median	Below Median	Flat	Below Normal
Hepatitis B Chronic Infection	Old	14	14	0	Below Median	Below Median	Flat	Below Normal
Hepatitis C, Chronic Infection	Old	2	2	1	Above Maximum	Above 3rd Quartile	Increase	Very Elevated
Influenza	Old	47	47	1	Below Median	Below Median	Increase	Below Normal
Pertussis	Old	8	8	0	Below Median	Below Median	Flat	Below Normal
Rabies Post Exposure Prophylasis	Old	23	23	0	Above Median	Above Median	Flat	Above Normal
Rocky Mountain Spotted Fever	Old	38	38	0	Below Median	Below Median	Flat	Below Normal
Salmonellosis	Old	29	29	0	Above Maximum	Above Maximum	Flat	Very Elevated
Shigellosis	Old	26	26	0	Below Median	Below Median	Flat	Below Normal
Strep Pneumoniae, Drug-Resistant	Old	40	40	0	Above Median	Above Median	Flat	Above Normal
Tb Infection	Old	1	1	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 Occurence in 2016, New=First Occurence in 2016 and Out=Case was Removed from WEBSURV

[2] First Week Reported and/or First Occurence 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

Disease or Condition	Rate[1]	Relative Rate[2,3,4]
Animal Bites	104.29	0.83
Campylobacteriosis	13.04	0.56
Creutzfeldt-Jakob Disease (CJD)	6.52	36.47
E. Coli O157 H7	13.04	5.53
Ehrlichia chaffeensis	6.52	1.60
Hepatitis B Chronic Infection	6.52	0.91
Hepatitis C, Chronic Infection	104.29	1.23
Influenza	13.04	0.96
Pertussis	19.55	3.53
Rabies Post Exposure Prophylasis	19.55	2.12
Rocky Mountain Spotted Fever	6.52	1.02
Salmonellosis	26.07	1.47
Shigellosis	6.52	0.46
Strep Pneumoniae, Drug-Resistant	6.52	1.41
Tb Infection	26.07	0.53
Varicella (Chickenpox)	6.52	2.46

[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

Gasconade County

Disease or Condition	Analysis Results [1]	4-week Count Mean for Week 50 [2]	Upper Limit for Week 50 [3]	4-week Count Mean for Week 49 [2]	Upper Limit for Week 49 [3]	4-week Count Mean for Week 48 [2]	Upper Limit for Week 48 [3]
Hepatitis C, Chronic Infection		0.3	0.7	0.0	0.7	0.0	0.7

[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.

Missouri Department of Health and Senior Services (DHSS)
Weekly Communicable Disease Reports
4-week Count Mean Z-Scores for Week 50, 2016
(Z-Scores greater than 2.0)

Gasconade County