

Missouri Department of Health and Senior  
Services (DHSS)

Weekly Communicable Disease Report  
for the

**Adair County**

Missouri Department of Health and Senior Services (DHSS)

**Weekly Communicable Disease Report**

for the

**Adair 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**

**Adair County**

<b>Disease or Condition</b>	<b>Week 50 YTD<sup>1</sup></b>	<b>Week 49 YTD<sup>1</sup></b>	<b>Week 48 YTD<sup>1</sup></b>	<b>Five Year 1<sup>st</sup> Quartile</b>	<b>Five Year Median</b>	<b>Five Year 3<sup>rd</sup> Quartile</b>	<b>Change from Week 49 to Week 50</b>	<b>Change from Week 50 to 5-Year Median</b>	<b>Rate per 100,000 Week 50</b>	<b>Relative Rate Week 50</b>	<b>First Week Reported<sup>2</sup></b>	<b>Last Week Reported<sup>2</sup></b>
Animal Bites	55	55	53	No Data	32	No Data	0.0%	72.3%	220.20	1.74	1	49
Campylobacteriosis	6	6	6	2	2	3	0.0%	200.0%	24.02	1.04	1	34
Cryptosporidiosis	3	3	3	1	1	1	0.0%	200.0%	12.01	1.67	8	42
Ehrlichia chaffeensis	3	3	3	1	1	2	0.0%	200.0%	12.01	2.95	14	34
Giardiasis	1	1	1	1	3	3	0.0%	( 66.7%)	4.00	0.69	31	31
Haemophilus Influenzae, Invasive	1	1	1	1	1	1	0.0%	0.0%	4.00	1.67	47	47
Hepatitis B Chronic Infection	1	1	1	1	1	1	0.0%	0.0%	4.00	0.56	45	45
Hepatitis C, Chronic Infection	6	6	6	10	15	17	0.0%	( 60.0%)	24.02	0.28	4	35
Influenza	4	4	4	No Data	26	No Data	0.0%	( 84.5%)	16.01	1.18	41	45
Rabies Post Exposure Prophylaxis	12	12	12	No Data	5	No Data	0.0%	122.2%	48.04	5.22	2	48
Rocky Mountain Spotted Fever	2	2	2	2	2	3	0.0%	0.0%	8.01	1.25	15	25
Salmonellosis	2	2	2	2	2	3	0.0%	0.0%	8.01	0.45	27	42
Shigellosis	1	1	1	No Data	0	No Data	0.0%	0.0%	4.00	0.28	48	48
Strep Pneumoniae, Drug-Resistant	1	1	1	No Data	0	No Data	0.0%	0.0%	4.00	0.86	32	32
Tb Infection	15	15	15	11	14	14	0.0%	7.1%	60.06	1.21	5	47
Tuberculosis	2	2	2	1	1	2	0.0%	100.0%	8.01	4.72	7	45
Varicella (Chickenpox)	1	1	1	No Data	3	No Data	0.0%	( 69.2%)	4.00	1.51	30	30

<sup>1</sup> **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.**

<sup>2</sup> **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**

**Adair County**

<i>Disease or Condition</i>	<i>Data Status</i> <sup>1,2</sup>	<i>1<sup>st</sup> Week Reported Current Report</i>	<i>1<sup>st</sup> Week Reported Last Report</i>	<i>Change in Count</i>	<i>Week 50 Quartile Results</i> <sup>3</sup>	<i>Week 49 Quartile Results</i> <sup>4</sup>	<i>Data Trend Analysis</i> <sup>5</sup>	<i>Data Elevation Analysis</i> <sup>6</sup>
Animal Bites	Old	1	1	2	Above Median	Above Median	Increase	Above Normal
Campylobacteriosis	Old	1	1	0	Above Maximum	Above Maximum	Flat	Very Elevated
Cryptosporidiosis	Old	8	8	0	Above Maximum	Above Maximum	Flat	Very Elevated
Ehrlichia chaffeensis	Old	14	14	0	Above Maximum	Above Maximum	Flat	Very Elevated
Giardiasis	Old	31	31	0	Below Median	Below Median	Flat	Below Normal
Haemophilus Influenzae, Invasive	Old	47	47	0	Below Median	Below Median	Flat	Below Normal
Hepatitis B Chronic Infection	Old	45	45	0	Below Median	Above Median	Flat	Below Normal
Hepatitis C, Chronic Infection	Old	4	4	0	Below Median	Below Median	Flat	Below Normal
Influenza	Old	41	41	0	Below Median	Below Median	Flat	Below Normal
Rabies Post Exposure Prophylaxis	Old	2	2	0	Above Median	Above Median	Flat	Above Normal
Rocky Mountain Spotted Fever	Old	15	15	0	Below Median	Below Median	Flat	Below Normal
Salmonellosis	Old	27	27	0	Below Median	Below Median	Flat	Below Normal
Shigellosis	Old	48	48	0	Above Median	Above Median	Flat	Above Normal
Strep Pneumoniae, Drug-Resistant	Old	32	32	0	Above Median	Above Median	Flat	Above Normal
Tb Infection	Old	5	5	-2	Above 3 <sup>rd</sup> Quartile	Above 3 <sup>rd</sup> Quartile	Decrease	Elevated
Tuberculosis	Old	7	7	0	Above Median	Above Median	Flat	Above Normal
Varicella (Chickenpox)	Old	30	30	0	Below Median	Below Median	Flat	Below Normal

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

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

<sup>3</sup> Week 50 Quartile Results are from the Current Report

<sup>4</sup> Week 49 Quartile Results are from the Last Report

<sup>5</sup> Based on Change in Count Current Report vs Last Report

<sup>6</sup> Based on Quartile Analysis from Current Report where: Below Normal=below median, Above Normal= above median, Elevated=above 3<sup>rd</sup> 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> <sup>1</sup>	<i>Relative Rate</i> <sup>2,3,4</sup>
<i>Animal Bites</i>	220.20	1.74
<i>Campylobacteriosis</i>	24.02	1.04
<i>Cryptosporidiosis</i>	12.01	1.67
<i>Ehrlichia chaffeensis</i>	12.01	2.95
<i>Giardiasis</i>	4.00	0.69
<i>Haemophilus Influenzae, Invasive</i>	4.00	1.67
<i>Hepatitis B Chronic Infection</i>	4.00	0.56
<i>Hepatitis C, Chronic Infection</i>	24.02	0.28
<i>Influenza</i>	16.01	1.18
<i>Rabies Post Exposure Prophylaxis</i>	48.04	5.22
<i>Rocky Mountain Spotted Fever</i>	8.01	1.25
<i>Salmonellosis</i>	8.01	0.45
<i>Shigellosis</i>	4.00	0.28
<i>Strep Pneumoniae, Drug-Resistant</i>	4.00	0.86
<i>Tb Infection</i>	60.06	1.21
<i>Tuberculosis</i>	8.01	4.72
<i>Varicella (Chickenpox)</i>	4.00	1.51

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

<sup>2</sup> The relative rate is computed as the county or district rate divided by the overall state rate

<sup>3</sup> Relative rate between 2.0 and 3.0

<sup>4</sup> 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**

**Adair County**

<i>Disease or Condition</i>	<i>Analysis Results <sup>1</sup></i>	<i>4-week Count Mean for Week 50 <sup>2</sup></i>	<i>Upper Limit for Week 50 <sup>3</sup></i>	<i>4-week Count Mean for Week 49 <sup>2</sup></i>	<i>Upper Limit for Week 49 <sup>3</sup></i>	<i>4-week Count Mean for Week 48 <sup>2</sup></i>	<i>Upper Limit for Week 48 <sup>3</sup></i>
Hepatitis C, Chronic Infection		0.0	1.0	0.0	1.0	0.0	1.0

<sup>1</sup> **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.*

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

<sup>3</sup> **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)*

***Adair County***