# Missouri Department of Health and Senior Services (DHSS)

# Weekly Communicable Disease Report

# for the

# Iron County

**Missouri Department of Health and Senior Services (DHSS)**

**Weekly Communicable Disease Report**

**for the**

**Iron 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**

## Iron 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 | 20 | 20 | 20 | No Data | 13 | No Data | 0.0% | 50.9% | 186.97 | 1.48 | 5 | 46 |
| Campylobacteriosis | 3 | 3 | 3 | 1 | 2 | 2 | 0.0% | 100.0% | 28.05 | 1.21 | 24 | 45 |
| E. Coli O157 H7 | 1 | 1 | 1 | No Data | 0 | No Data | 0.0% | 0.0% | 9.35 | 3.96 | 34 | 34 |
| Ehrlichia chaffeensis | 1 | 1 | 1 | 1 | 1 | 1 | 0.0% | 0.0% | 9.35 | 2.29 | 28 | 28 |
| Giardiasis | 1 | 1 | 1 | 1 | 1 | 1 | 0.0% | 0.0% | 9.35 | 1.62 | 35 | 35 |
| Hepatitis B Chronic Infection | 1 | 1 | 1 | 1 | 1 | 1 | 0.0% | 0.0% | 9.35 | 1.30 | 38 | 38 |
| Hepatitis C Acute | 2 | 2 | 2 | No Data | 0 | No Data | 0.0% | 0.0% | 18.70 | 43.59 | 22 | 36 |
| Hepatitis C, Chronic Infection | 8 | 8 | 8 | 12 | 16 | 16 | 0.0% | ( 50.0%) | 74.79 | 0.89 | 9 | 45 |
| Influenza | 1 | 0 | 0 | No Data | 18 | No Data | 0.0% | ( 94.6%) | 9.35 | 0.69 | 50 | 50 |
| Rabies Post Exposure Prophylasis | 3 | 3 | 3 | No Data | 2 | No Data | 0.0% | 100.0% | 28.05 | 3.05 | 5 | 44 |
| Rocky Mountain Spotted Fever | 1 | 1 | 1 | 1 | 2 | 2 | 0.0% | ( 33.3%) | 9.35 | 1.47 | 48 | 48 |
| Salmonellosis | 3 | 3 | 3 | 1 | 2 | 4 | 0.0% | 50.0% | 28.05 | 1.59 | 7 | 36 |
| Tb Infection | 5 | 5 | 5 | 1 | 1 | 5 | 0.0% | 400.0% | 46.74 | 0.94 | 1 | 46 |

[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**

## Iron 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 | 5 | 5 | 0 | Above Median | Above Median | Flat | Above Normal |
| Campylobacteriosis | Old | 24 | 24 | 0 | Above Maximum | Above Maximum | Flat | Very Elevated |
| E. Coli O157 H7 | Old | 34 | 34 | 0 | Above Median | Above Median | Flat | Above Normal |
| Ehrlichia chaffeensis | Old | 28 | 28 | 0 | Below Median | Below Median | Flat | Below Normal |
| Giardiasis | Old | 35 | 35 | 0 | Below Median | Below Median | Flat | Below Normal |
| Hepatitis B Chronic Infection | Old | 38 | 38 | 0 | Below Median | Below Median | Flat | Below Normal |
| Hepatitis C Acute | Old | 22 | 22 | 0 | Above Median | Above Median | Flat | Above Normal |
| Hepatitis C, Chronic Infection | Old | 9 | 9 | 0 | Below Median | Below Median | Flat | Below Normal |
| Influenza | New | 50 | | 1 | Below Median | Below Median | Increase | Below Normal |
| Rabies Post Exposure Prophylasis | Old | 5 | 5 | 1 | Above Median | Above Median | Increase | Above Normal |
| Rocky Mountain Spotted Fever | Old | 48 | 48 | 0 | Below Median | Below Median | Flat | Below Normal |
| Salmonellosis | Old | 7 | 7 | 0 | Above Median | Above Median | Flat | Above Normal |
| Tb Infection | Old | 1 | 1 | 2 | Above Median | Above Median | Increase | Above 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 | 186.97 | 1.48 |
| Campylobacteriosis | 28.05 | 1.21 |
| E. Coli O157 H7 | 9.35 | 3.96 |
| Ehrlichia chaffeensis | 9.35 | 2.29 |
| Giardiasis | 9.35 | 1.62 |
| Hepatitis B Chronic Infection | 9.35 | 1.30 |
| Hepatitis C Acute | 18.70 | 43.59 |
| Hepatitis C, Chronic Infection | 74.79 | 0.89 |
| Influenza | 9.35 | 0.69 |
| Rabies Post Exposure Prophylasis | 28.05 | 3.05 |
| Rocky Mountain Spotted Fever | 9.35 | 1.47 |
| Salmonellosis | 28.05 | 1.59 |
| Tb Infection | 46.74 | 0.94 |

[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**

## Iron 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 | | 0.0 | 0.7 | 0.0 | 0.7 | 0.3 | 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)*

## *Iron County*