

Missouri Department of Health and Senior  
Services (DHSS)

Weekly Communicable Disease Report

Missouri Department of Health and Senior Services (DHSS)

**Weekly Communicable Disease Report**

**Disease or Condition:**

**Creutzfeldt-Jakob Disease (CJD)**

**Report for Week 29 of 2017**

**Run Date = 25JUL17**

**For DHSS and LPHA Internal Use Only.**

**Data Included in This Report is Provisional.**

**Data Source: Confirmed and 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 29, 2017**  
**Creutzfeldt-Jakob Disease (CJD)**

County	Week 29 YTD <sup>1</sup>	Week 28 YTD <sup>1</sup>	Week 27 YTD <sup>1</sup>	Five Year 1 <sup>st</sup> Quartile	Five Year Median	Five Year 3 <sup>rd</sup> Quartile	Change from Week 28 to Week 29	Change from Week 29 to 5-Year Median	Rate per 100,000 Week 29	Relative Rate Week 29	First Week Reported <sup>2</sup>	Last Week Reported
Cape Girardeau	1	1	1	No Data	0	No Data	0.0%	0.0%	1.46	20.36	6	6
Jasper	1	1	1	No Data	0	No Data	0.0%	0.0%	1.56	21.77	10	10
St Francois	1	1	1	No Data	0	No Data	0.0%	0.0%	1.80	25.14	20	20
St Louis	1	1	1	1	2	2	0.0%	( 50.0%)	0.10	1.38	21	21
Troop C Total	2	2	2	2	3	3	0.0%	( 33.3%)	0.05	0.65	20	21
Troop D Total	1	1	1	1	1	1	0.0%	0.0%	0.13	1.84	10	10
Troop E Total	1	1	1	No Data	0	No Data	0.0%	0.0%	0.31	4.27	6	6
State Total	4	4	4	4	5	7	0.0%	( 20.0%)	0.07	1.00	6	21

<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 2017

**Missouri Department of Health and Senior Services (DHSS)**  
**Weekly Communicable Disease Report for Week 29, 2017**  
**Disease or Condition Analysis**  
**Compared to Last Report run on 07/18/2017 for Week 28, 2017**  
**Creutzfeldt-Jakob Disease (CJD)**

County	Data Status <sup>1,2</sup>	<sup>1st</sup> Week Reported Current Report	<sup>1st</sup> Week Reported Last Report	Change in Count	Week 29 Quartile Results <sup>3</sup>	Week 28 Quartile Results <sup>4</sup>	Data Trend Analysis <sup>5</sup>	Data Elevation Analysis <sup>6</sup>
Cape Girardeau	Old	6	6	0	Above Median	Above Median	Flat	Above Normal
Jasper	Old	10	10	0	Above Median	Above Median	Flat	Above Normal
St Francois	Old	20	20	0	Above Median	Above Median	Flat	Above Normal
St Louis	Old	21	21	0	Below Median	Below Median	Flat	Below Normal
Troop C Total	Old	20	20	0	Below Median	Below Median	Flat	Below Normal
Troop D Total	Old	10	10	0	Below Median	Below Median	Flat	Below Normal
Troop E Total	Old	6	6	0	Above Median	Above Median	Flat	Above Normal
State Total	Old	6	6	0	Below Median	Below Median	Flat	Below Normal

<sup>1</sup> Data Status: Old=Continuing Occurrence in 2017, New=First Occurrence in 2017 and Out=Case was Removed from WEBSURV

<sup>2</sup> First Week Reported and/or First Occurrence of Disease or Condition in 2017

<sup>3</sup> Week 29 Quartile Results are from the Current Report

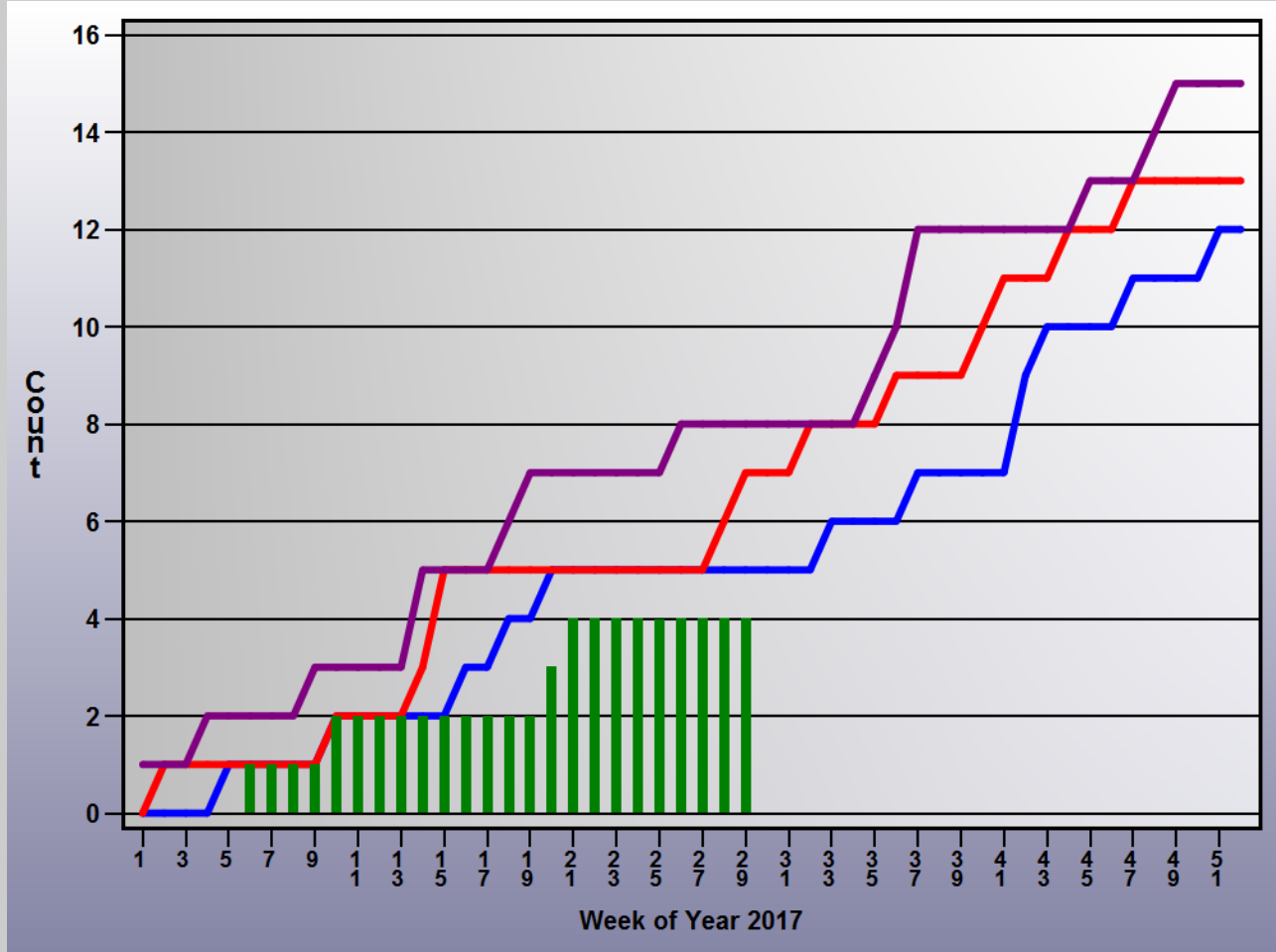
<sup>4</sup> Week 28 Quartile Results are from the Last Report

<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.

**Creutzfeldt-Jakob Disease (CJD)**

YTD Count in 2017 YTD Median (2012 to 2016)  
 YTD Third Quartile (2012 to 2016) YTD Maximum (2012 to 2016)



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**Missouri Department of Health and Senior Services (DHSS)**  
**Weekly Communicable Disease Reports**  
**Comparison of 4-week Count Mean for Week 29, 2017 with Historical Limits**  
**Creutzfeldt-Jakob Disease (CJD)**

County	Analysis Results <sup>1</sup>	4-week Count Mean for Week 29 <sup>2</sup>	Upper Limit for Week 29 <sup>3</sup>	4-week Count Mean for Week 28 <sup>2</sup>	Upper Limit for Week 28 <sup>3</sup>	4-week Count Mean for Week 27 <sup>2</sup>	Upper Limit for Week 27 <sup>3</sup>
St Louis		0.0	0.3	0.0	0.3	0.0	0.3
Troop C Total		0.0	0.3	0.0	0.3	0.0	0.3
Troop D Total		0.0	0.2	0.0	0.2	0.0	0.2
State Total		0.0	0.4	0.0	0.5	0.0	0.5

<sup>1</sup> Analysis Results Legend for Week 29:

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.

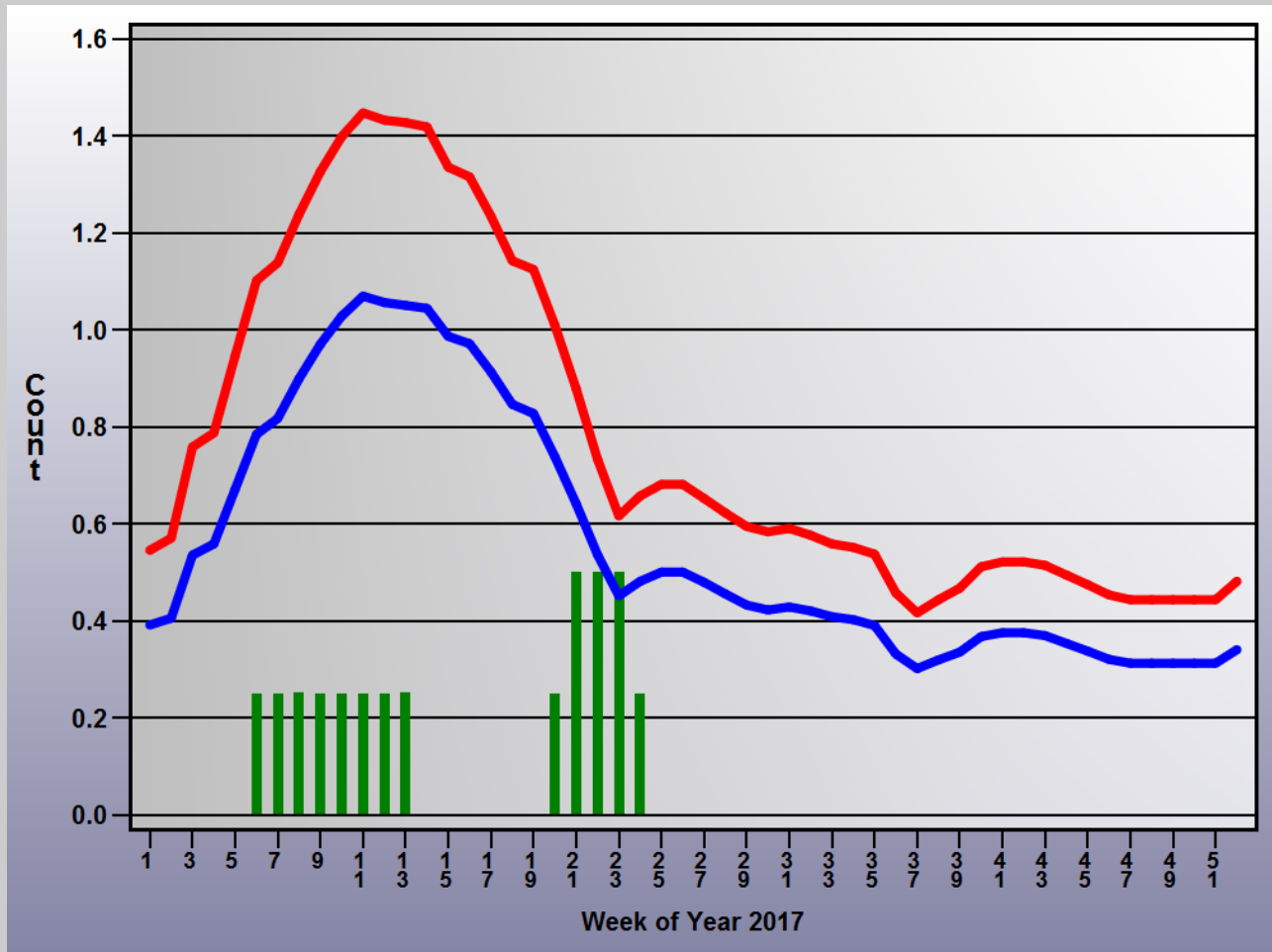
The 4-week Count mean is above the Historical Mean plus 3 Std. Dev.

<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.

**Creutzfeldt-Jakob Disease (CJD)**

4-week Count Mean Historical Limit(2 std) Historical Limit(3 std)



4-week count mean based on the current and 3 previous weeks

The mean plus two standard deviations based on the current week, 7 previous weeks and 4 subsequent or leading weeks for the past five years

The mean plus three standard deviations based on the current week, 7 previous weeks and 4 subsequent or leading weeks for the past five years

**Weekly Communicable Disease Report  
Year-to-Date Counts and Rates for Week 29 , 2017**

**Creutzfeldt-Jakob Disease (CJD)**

<i>County</i>	<i>Week 29 YTD</i>	<i>Week 29 Rate<sup>1</sup></i>	<i>Week 29 Relative Rate<sup>2</sup></i>	<i>Change in Count From Current Report<sup>3</sup></i>	<i>Change in Count From Last Report<sup>4</sup></i>
Cape Girardeau	1	1.5	20.4	0	0
Jasper	1	1.6	21.8	0	0
St Francois	1	1.8	25.1	0	0
St Louis	1	0.1	1.4	0	0

<sup>1</sup> Rates are Year-to-Date Counts per 100,000 population for Week 29, 2017

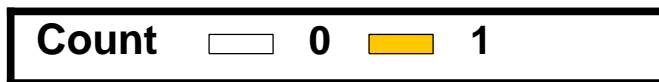
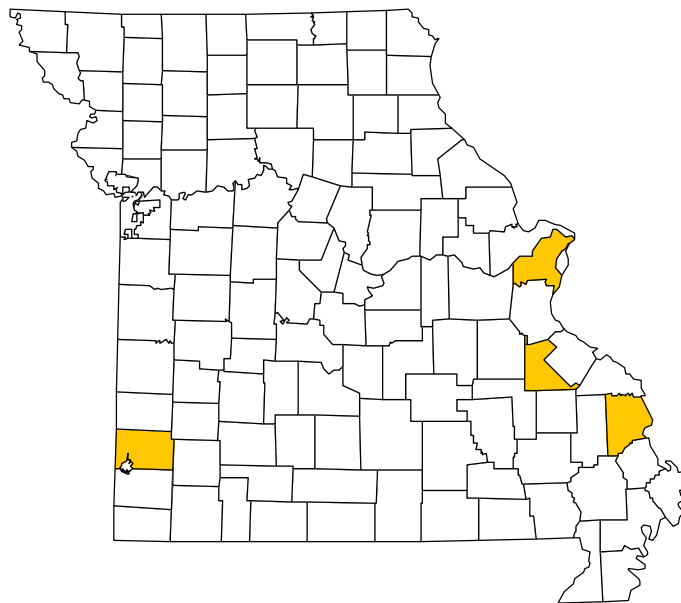
<sup>2</sup> The relative rate is computed as the county or district rate divided by the overall state rate

<sup>3</sup> Current Report was run on 07/25/2017 for Week 29, 2017

<sup>4</sup> Last Report was run on 07/18/2017 for Week 28, 2017

Missouri Department of Health and Senior Services (DHSS)  
Weekly Communicable Disease Report  
YTD Count for Week 29, 2017  
Creutzfeldt-Jakob Disease (CJD)

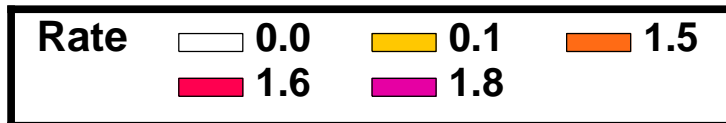
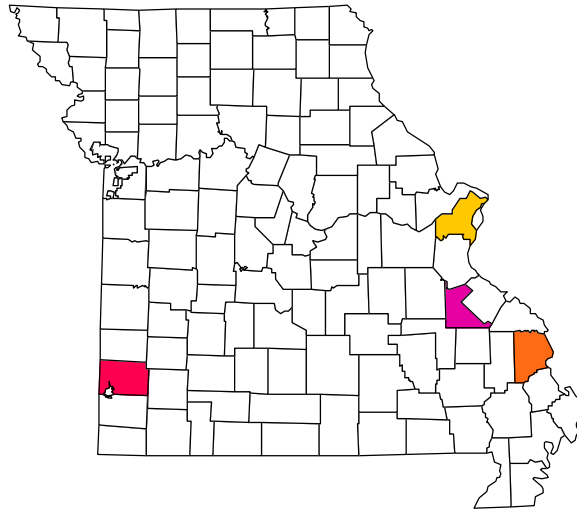
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YTD Count for Week 29, 2017  
Creutzfeldt-Jakob Disease (CJD)





Missouri Department of Health and Senior Services (DHSS)  
Weekly Communicable Disease Report  
Rates for Week 29, 2017  
Creutzfeldt-Jakob Disease (CJD)

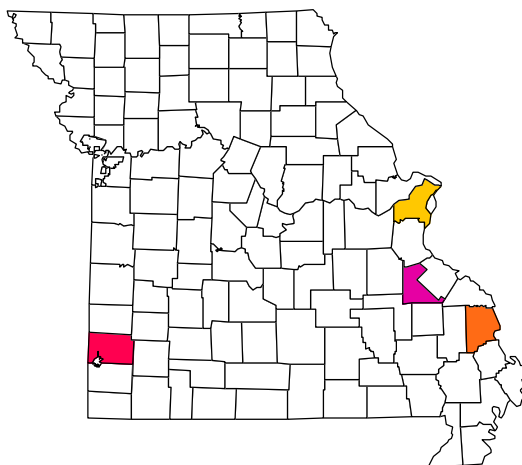
Missouri Department of Health and Senior Services (DHSS)  
Weekly Communicable Disease Report  
Rates for Week 29, 2017  
Creutzfeldt-Jakob Disease (CJD)



Rates are Year-to-Date Counts per 100,000 population for Week 29, 2017

Missouri Department of Health and Senior Services (DHSS)  
 Weekly Communicable Disease Report  
 Relative Rates for Week 29, 2017  
**Creutzfeldt-Jakob Disease (CJD)**  
 State Rate per 100,000 = 0.1

Missouri Department of Health and Senior Services (DHSS)  
 Weekly Communicable Disease Report  
 Relative Rates for Week 29, 2017  
**Creutzfeldt-Jakob Disease (CJD)**  
 State Rate per 100,000 = 0.1



**Relative Rates**

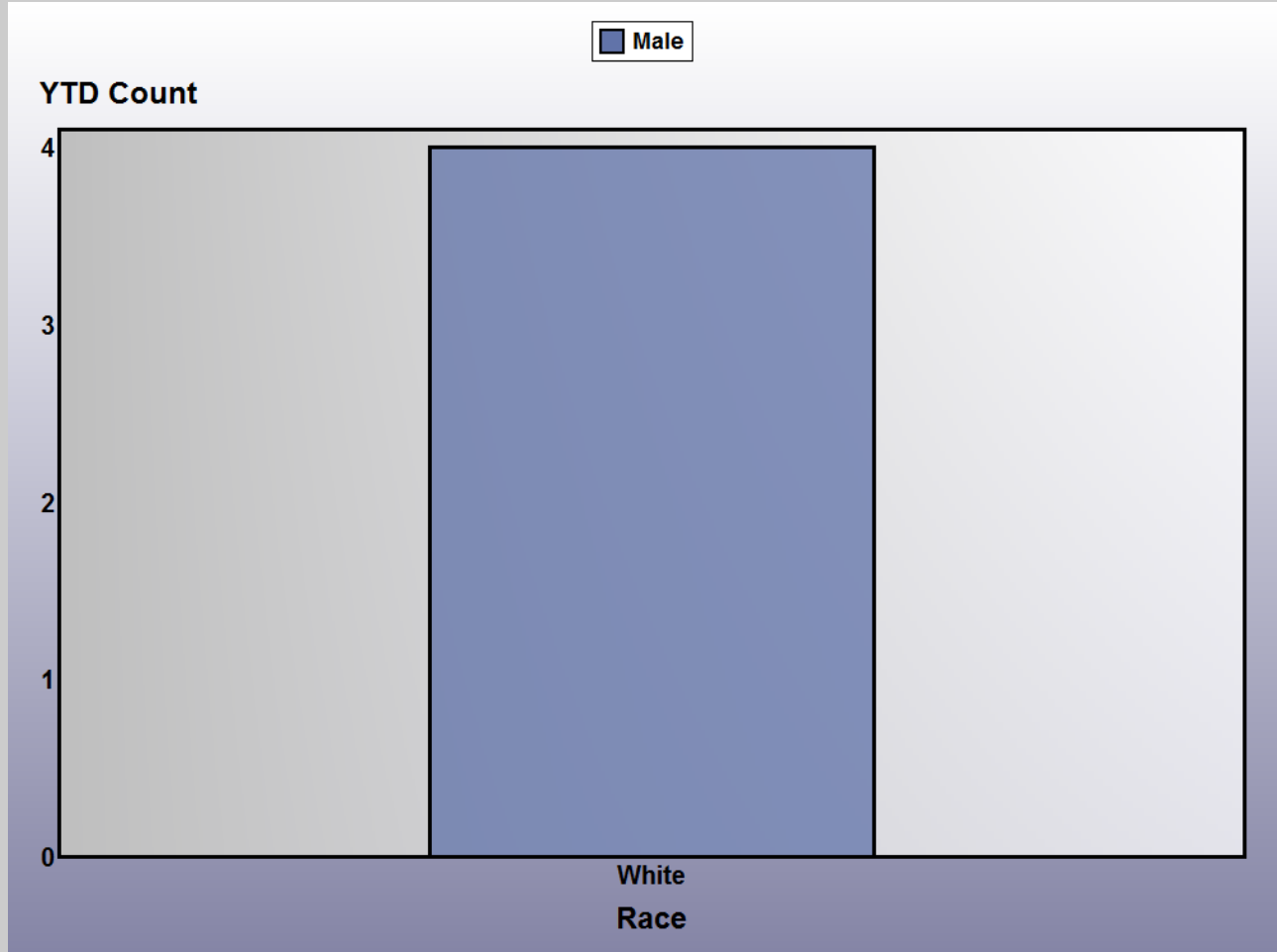
0.0	1.4	20.4
21.8	25.1	

The relative rate is computed as the county or district rate divided by the overall state rate

Missouri Department of Health and Senior Services (DHSS)  
 Weekly Communicable Disease Reports  
 Cross Tabulations of YTD Count for Week 29, 2017  
 State of Missouri  
 Creutzfeldt-Jakob Disease (CJD)

Age and Gender		White	All
45 to 54	Male	1	1
	All	1	1
55 to 64			
	Male	2	2
	All	2	2
65 plus			
	Male	1	1
	All	1	1
All		4	4

Missouri Department of Health and Senior Services (DHSS)  
Weekly Communicable Disease Reports  
Cross Tabulations of YTD Count for Week 29, 2017  
State of Missouri  
Creutzfeldt-Jakob Disease (CJD)



Missouri Department of Health and Senior Services (DHSS)  
Weekly Communicable Disease Reports  
Cross Tabulations of YTD Count for Week 29, 2017  
State of Missouri  
*Creutzfeldt-Jakob Disease (CJD)*

