

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

**Weekly Communicable Disease Report**

**Disease or Condition:**

**Botulism Infant**

**Report for Week 52 of 2009**

**Run Date = 05JAN10**

**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 (MOHSIS)  
and the Tuberculosis Information System (TIMS)**

**Missouri Department of Health and Senior Services (DHSS)  
Weekly Communicable Disease Report  
Quartile Analysis of Year-to-date Counts for Week 52, 2009**

**Botulism Infant**

<b>County</b>	<b>Week 52 YTD<sup>1</sup></b>	<b>Week 51 YTD<sup>1</sup></b>	<b>Week 50 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 51 to Week 52</b>	<b>Change from Week 52 to 5-Year Median</b>	<b>Rate per 100,000 Week 52</b>	<b>Relative Rate Week 52</b>	<b>First Week Reported<sup>2</sup></b>	<b>Last Week Reported</b>
Lawrence	1	1	1	No Data	0	No Data	0.0%	0.0%	2.84	79.47	42	42
Mcdonald	1	1	1	No Data	0	No Data	0.0%	0.0%	4.61	129.03	39	39
Troop D Total	2	2	2	1	1	1	0.0%	100.0%	0.26	7.38	39	42
State Total	2	2	2	1	1	2	0.0%	100.0%	0.04	1.00	39	42

**<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 2009

**Missouri Department of Health and Senior Services (DHSS)  
Weekly Communicable Disease Report for Week 52, 2009  
Disease or Condition Analysis  
Compared to Last Report run on 12/31/2009 for Week 51, 2009**

**Botulism Infant**

<b>County</b>	<b>Data Status<sup>1,2</sup></b>	<b>1<sup>st</sup> Week Reported Current Report</b>	<b>1<sup>st</sup> Week Reported Last Report</b>	<b>Change in Count</b>	<b>Week 52 Quartile Results<sup>3</sup></b>	<b>Week 51 Quartile Results<sup>4</sup></b>	<b>Data Trend Analysis<sup>5</sup></b>	<b>Data Elevation Analysis<sup>6</sup></b>
Lawrence	Old	42	42	0	Above Median	Above Median	Flat	Above Normal
Mcdonald	Old	39	39	0	Above Median	Above Median	Flat	Above Normal
Troop D Total	Old	39	39	0	Above Maximum	Above Maximum	Flat	Very Elevated
State Total	Old	39	39	0	Above Median	Above Median	Flat	Above Normal

<sup>1</sup>Data Status: Old=Continuing Occurrence in 2009, New=First Occurrence in 2009 and Out=Case was Removed from MOHSIS

<sup>2</sup>First Week Reported and/or First Occurrence of Disease or Condition in 2009

<sup>3</sup>Week 52 Quartile Results are from the Current Report

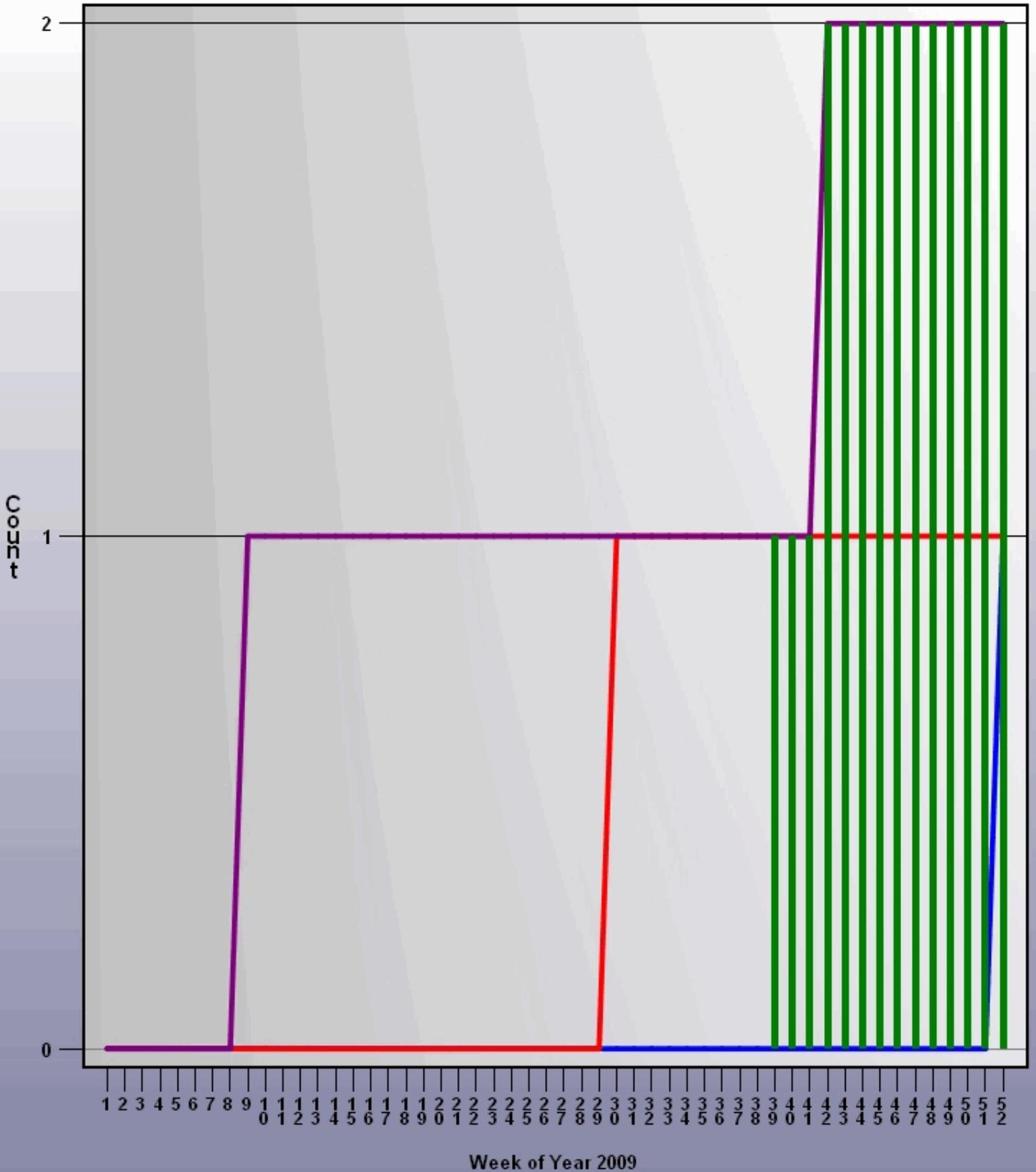
<sup>4</sup>Week 51 Quartile Results are from the Last Report

<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.

**Botulism Infant**

YTD Count in 2009 YTD Median (2004 to 2008)  
YTD Third Quartile (2004 to 2008) YTD Maximum (2004 to 2008)



**Missouri Department of Health and Senior Services (DHSS)**  
**Weekly Communicable Disease Reports**  
**Comparison of 4-week Count Mean for Week 52, 2009 with Historical Limits**

**Botulism Infant**

County	Analysis Results <sup>1</sup>	4-week Count Mean for Week 52 <sup>2</sup>	Upper Limit for Week 52 <sup>3</sup>	4-week Count Mean for Week 51 <sup>2</sup>	Upper Limit for Week 51 <sup>3</sup>	4-week Count Mean for Week 50 <sup>2</sup>	Upper Limit for Week 50 <sup>3</sup>
State Total		0.0	0.1	0.0	0.1	0.0	0.1

<sup>1</sup>Analysis Results Legend for Week 52:

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.

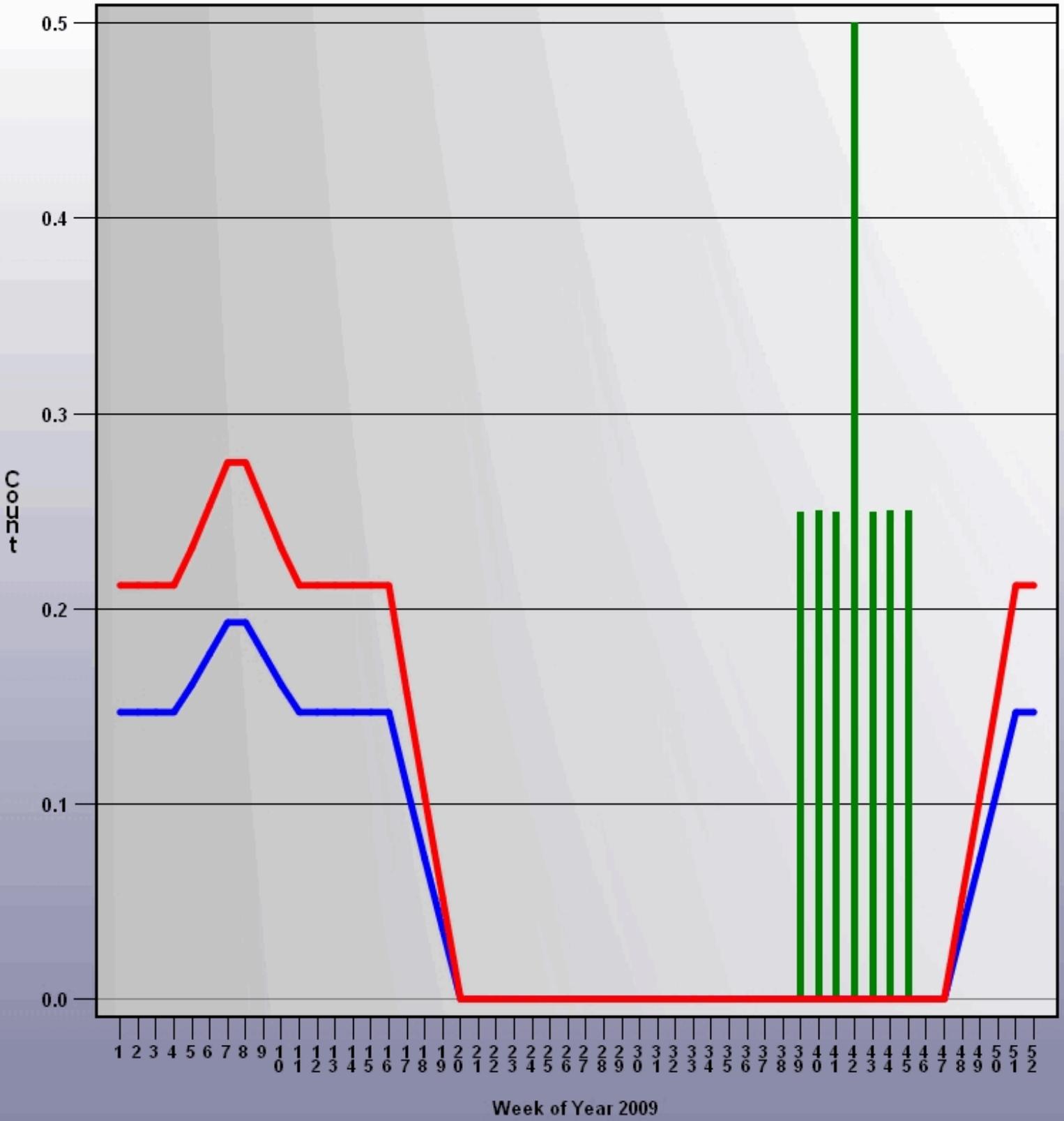
The 4-week Count mean is above the Historical Mean plus 3 Std. Dev.

<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.

**Botulism Infant**

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 subsequents or leading weeks for the past five years  
 The mean plus three 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 Report  
Year-to-Date Counts and Rates for Week 52, 2009**

**Botulism Infant**

<b>County</b>	<b>Week 52 YTD</b>	<b>Week 52 Rate<sup>1</sup></b>	<b>Week 52 Relative Rate<sup>2</sup></b>	<b>Change in Count From Current Report<sup>3</sup></b>	<b>Change in Count From Last Report<sup>4</sup></b>
Lawrence	1	2.8	79.5	0	0
Mcdonald	1	4.6	129.0	0	0

<sup>1</sup>Rates are Year-to-Date Counts per 100,000 population for Week 52, 2009

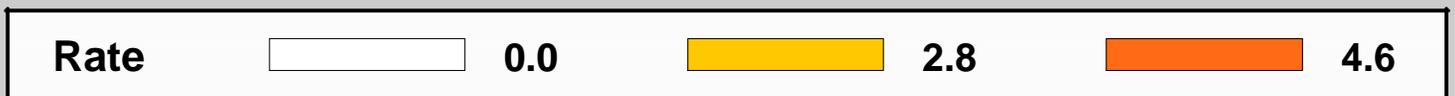
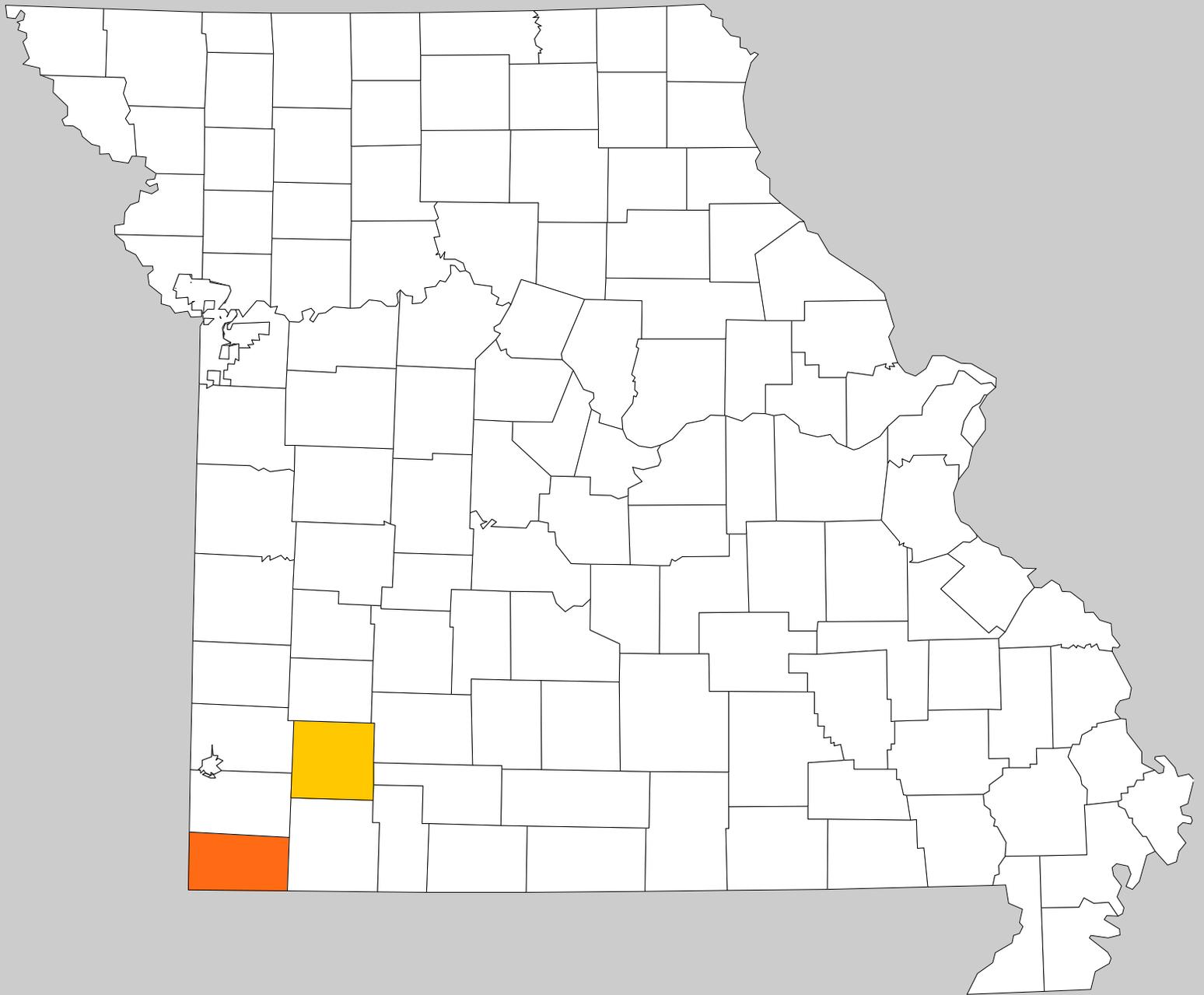
<sup>2</sup>The relative rate is computed as the county or district rate divided by the overall state rate

<sup>3</sup>Current Report was run on 01/05/2010 for Week 52, 2009

<sup>4</sup>Last Report was run on 12/31/2009 for Week 51, 2009



**Missouri Department of Health and Senior Services (DHSS)**  
**Weekly Communicable Disease Report**  
**Rates for Week 52, 2009**  
**Botulism Infant**

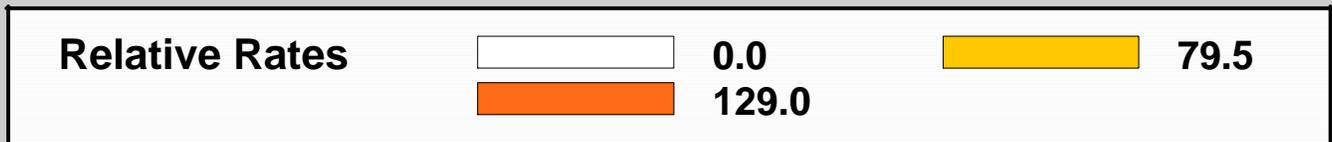
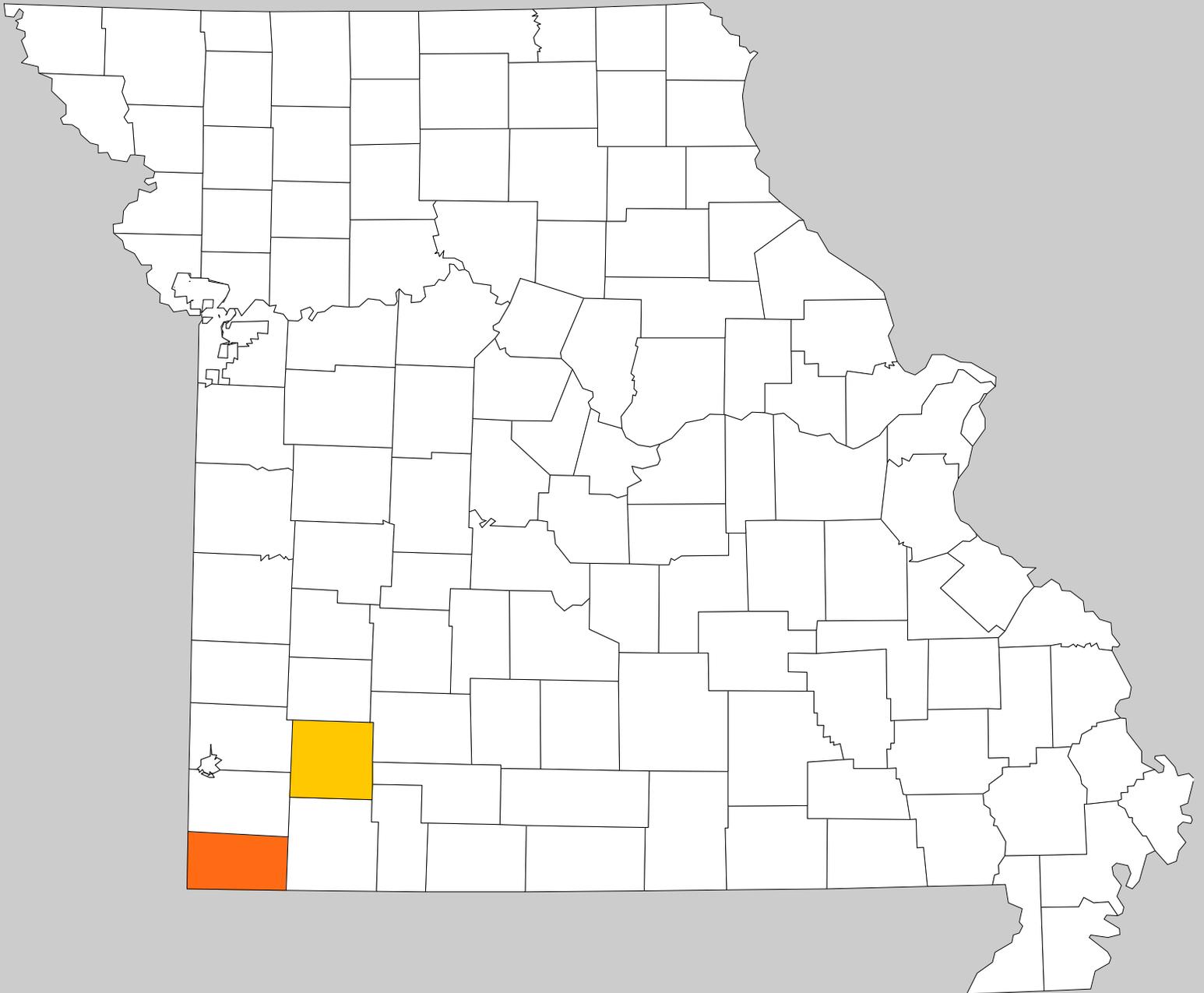


**Rates are Year-to-Date Counts per 100,000 population for Week 52, 2009**

**Missouri Department of Health and Senior Services (DHSS)  
Weekly Communicable Disease Report  
Relative Rates for Week 52, 2009**

**Botulism Infant**

State Rate per 100,000 = 0.0



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

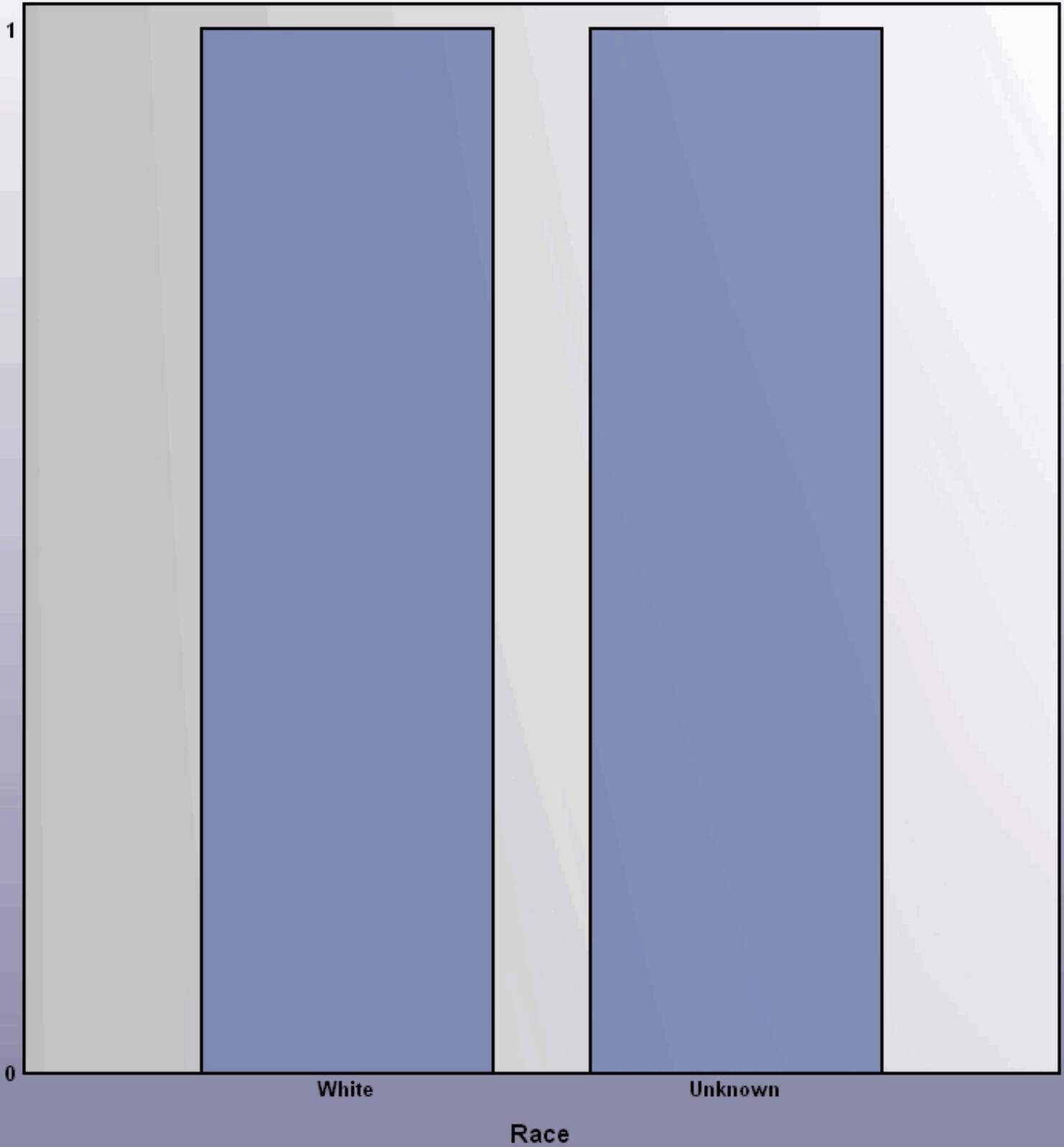
**Missouri Department of Health and Senior Services (DHSS)**  
**Weekly Communicable Disease Reports**  
**Cross Tabulations of YTD Count for Week 52, 2009**  
**State of Missouri**  
*Botulism Infant*

<i>Age and Gender</i>		<i>White</i>	<i>Unknown</i>	<i>All</i>
<i>&lt; 2</i>	<i>Male</i>	1	1	2
	<i>All</i>	1	1	2
<i>All</i>		1	1	2

Missouri Department of Health and Senior Services (DHSS)  
Weekly Communicable Disease Reports  
Cross Tabulations of YTD Count for Week 52, 2009  
State of Missouri  
*Botulism Infant*

Male

YTD Count



Missouri Department of Health and Senior Services (DHSS)  
Weekly Communicable Disease Reports  
Cross Tabulations of YTD Count for Week 52, 2009  
State of Missouri  
*Botulism Infant*

Male

YTD Count

