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

<table>
<thead>
<tr>
<th>County</th>
<th>Week 52 YTD</th>
<th>Week 51 YTD</th>
<th>Week 50 YTD</th>
<th>Five Year 1st Quartile</th>
<th>Five Year Median</th>
<th>Five Year 3rd Quartile</th>
<th>Change from Week 51 to Week 52</th>
<th>Change from Week 52 to 5-Year Median</th>
<th>Rate per 100,000 Week 52</th>
<th>Relative Rate Week 52</th>
<th>First Week Reported</th>
<th>Last Week Reported</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lawrence</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>No Data</td>
<td>0</td>
<td>No Data</td>
<td>0.0%</td>
<td>0.0%</td>
<td>2.84</td>
<td>79.47</td>
<td>42</td>
<td>42</td>
</tr>
<tr>
<td>Mcdonald</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>No Data</td>
<td>0</td>
<td>No Data</td>
<td>0.0%</td>
<td>0.0%</td>
<td>4.61</td>
<td>129.03</td>
<td>39</td>
<td>39</td>
</tr>
<tr>
<td>Troop D Total</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>0.0%</td>
<td>100.0%</td>
<td>0.26</td>
<td>7.38</td>
<td>39</td>
<td>42</td>
</tr>
<tr>
<td>State Total</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>1</td>
<td>1</td>
<td>2</td>
<td>0.0%</td>
<td>100.0%</td>
<td>0.04</td>
<td>1.00</td>
<td>39</td>
<td>42</td>
</tr>
</tbody>
</table>

1Analysis 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.
2First Week Reported in 2009
## Botulism Infant

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

<sup>1</sup>Data Status: Old=Continuing Occurence in 2009, New=First Occurence 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.
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
YTD Count in 2009  YTD Median (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**

<table>
<thead>
<tr>
<th>County</th>
<th>Analysis Results&lt;sup&gt;1&lt;/sup&gt;</th>
<th>4-week Count Mean for Week 52&lt;sup&gt;2&lt;/sup&gt;</th>
<th>Upper Limit for Week 52&lt;sup&gt;3&lt;/sup&gt;</th>
<th>4-week Count Mean for Week 51&lt;sup&gt;2&lt;/sup&gt;</th>
<th>Upper Limit for Week 51&lt;sup&gt;3&lt;/sup&gt;</th>
<th>4-week Count Mean for Week 50&lt;sup&gt;2&lt;/sup&gt;</th>
<th>Upper Limit for Week 50&lt;sup&gt;3&lt;/sup&gt;</th>
</tr>
</thead>
<tbody>
<tr>
<td>State Total</td>
<td></td>
<td>0.0</td>
<td>0.1</td>
<td>0.0</td>
<td>0.1</td>
<td>0.0</td>
<td>0.1</td>
</tr>
</tbody>
</table>

<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 subsequent or leading weeks for the past five years.
Missouri Department of Health and Senior Services (DHSS)
Weekly Communicable Disease Report for
Comparison of Confirmed and Probable 4-week Count Mean Week 52, 2009

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
### Botulism Infant

<table>
<thead>
<tr>
<th>County</th>
<th>Week 52 YTD</th>
<th>Week 52 Rate</th>
<th>Week 52 Relative Rate</th>
<th>Change in Count From Current Report</th>
<th>Change in Count From Last Report</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lawrence</td>
<td>1</td>
<td>2.8</td>
<td>79.5</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Mcdonald</td>
<td>1</td>
<td>4.6</td>
<td>129.0</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

1. Rates are Year-to-Date Counts per 100,000 population for Week 52, 2009
2. The relative rate is computed as the county or district rate divided by the overall state rate
3. Current Report was run on 01/05/2010 for Week 52, 2009
4. 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.
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

YTD Count

Age

< 2

Male

0

1

2