

# Regional Surveillance Report: August 2014

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## SUMMARY

- **Health Service Region 2**
  - There were a total of 29 cases reported in Health Service Region 2 for the month.
  - Reported cases of Streptococcus, Invasive Group B were beyond historical limits for the five-year monthly median.
  
- **Health Service Region 3**
  - There were a total of 497 cases in Health Service Region 3 for the month.
  - Reported cases of Cyclosporiasis, and Vibrio infection (including cholera) were beyond historical limits for the five-year monthly median.
  
- **Outbreak Investigations**
  - A Shigellosis outbreak was reported and investigated by Collin County in a child-care facility.

***Please see the following tables and figures for more details.***

*NOTE: Counts include confirmed and probable cases reported to the Texas Department of State Health Services via NEDSS (National Electronic Disease Surveillance System) in report month. Counts include conditions coordinated by the epidemiology branch only. Cases may be pending investigation and counts are subject to change. A map of the region can be found on the last page of this report. Counts beyond historical limits or differing from the five year median may be due to current or past outbreaks, seasonal variations, or infrequently reported diseases.*

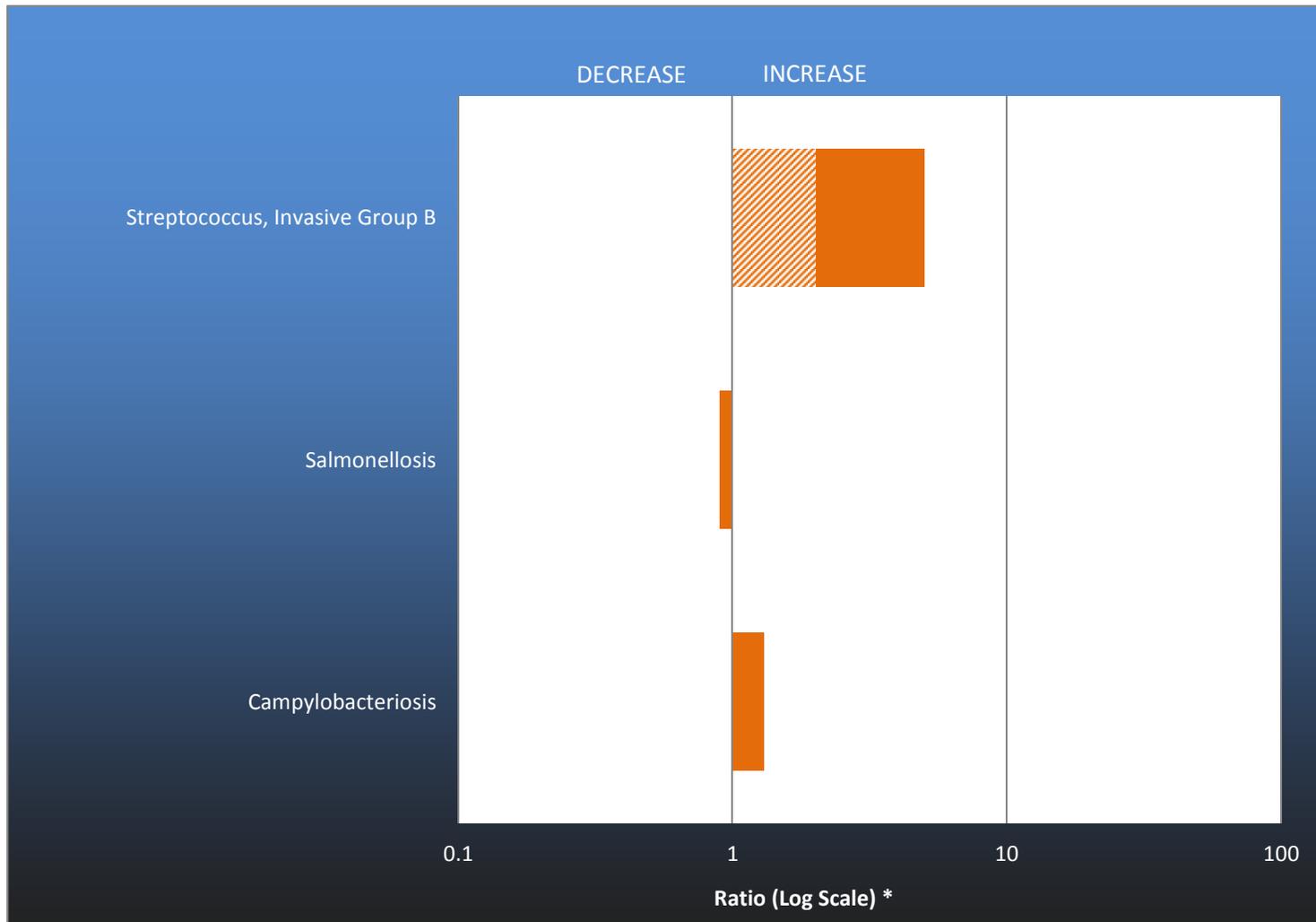
**Table 1: Reported Disease Case Counts in Health Service Region 2, August 2014**

| Disease                                  | August 2014 | January - December 2014 | 5-Year Monthly Median F | Total Cases in Previous Years |      |      |      |      | Counties Reporting during August 2014 (Counts) |
|--|-------------|-------------------------|-------------------------|-------------------------------|------|------|------|------|--|
|  |             |                         |                         | 2009                          | 2010 | 2011 | 2012 | 2013 |  |
| Amebiasis                                | 0           | 0                       | 0                       | 11                            | 9    | 0    | 1    | 0    |  |
| Amebic meningitis and encephalitis       | 0           | 0                       | 0                       | 0                             | 0    | 0    | 0    | 0    |  |
| Botulism (adult and infant)              | 0           | 0                       | 0                       | 0                             | 0    | 0    | 0    | 0    |  |
| Campylobacteriosis                       | 5           | 22                      | 4                       | 42                            | 39   | 43   | 71   | 38   | Brown (1), Comanche (1), Foard (1), Taylor (2) |
| Creutzfeldt-Jakob Disease (CJD)          | 0           | 0                       | 0                       | 1                             | 0    | 1    | 0    | 0    |  |
| Cryptosporidiosis                        | 0           | 3                       | 0                       | 6                             | 1    | 10   | 9    | 4    |  |
| Cyclosporiasis                           | 0           | 1                       | 0                       | 0                             | 1    | 0    | 0    | 4    |  |
| Diphtheria                               | 0           | 0                       | 0                       | 0                             | 0    | 0    | 0    | 0    |  |
| <i>Haemophilus influenzae</i> , invasive | 1           | 1                       | 0                       | 0                             | 0    | 0    | 0    | 0    | Callahan (1)                                   |
| Hepatitis A, acute                       | 0           | 1                       | 0                       | 4                             | 4    | 4    | 5    | 3    |  |
| Hepatitis B, acute                       | 0           | 3                       | 0                       | 19                            | 13   | 9    | 7    | 4    |  |
| Hepatitis B, perinatal                   | 0           | 0                       | 0                       | 0                             | 0    | 0    | 0    | 0    |  |
| Hepatitis C, acute                       | 0           | 5                       | 0                       | 11                            | 5    | 2    | 0    | 4    |  |
| Hepatitis E, acute                       | 0           | 0                       | 0                       | 0                             | 0    | 0    | 0    | 0    |  |
| Influenza-associated pediatric mortality | 0           | 0                       | 0                       | 2                             | 1    | 0    | 0    | 0    |  |
| Legionellosis                            | 0           | 3                       | 0                       | 0                             | 3    | 2    | 4    | 3    |  |
| Listeriosis                              | 0           | 0                       | 0                       | 0                             | 0    | 2    | 0    | 0    |  |
| Measles                                  | 0           | 2                       | 0                       | 0                             | 0    | 0    | 0    | 0    |  |
| MDROs†                                   | 2           | 5                       | 0                       | 0                             | 0    | 0    | 0    | 0    | Montague (1), Taylor (1)                       |
| Mumps                                    | 0           | 1                       | 0                       | 2                             | 2    | 2    | 0    | 0    |  |
| <i>Neisseria meningitidis</i> , invasive | 0           | 0                       | 0                       | 2                             | 4    | 0    | 0    | 0    |  |
| Pertussis                                | 0           | 18                      | 2                       | 15                            | 15   | 9    | 31   | 77   |  |

| Disease  | August 2014 | January - December 2014 | 5-Year Monthly Median † | Total Cases in Previous Years |            |            |            |            | Counties Reporting during August 2014 (Counts)  |
|--|-------------|-------------------------|-------------------------|-------------------------------|------------|------------|------------|------------|---|
|  |             |                         |                         | 2009                          | 2010       | 2011       | 2012       | 2013       |   |
| Poliomyelitis, acute paralytic                       | 0           | 0                       | 0                       | 0                             | 0          | 0          | 0          | 0          |   |
| Rubella (including congenital)                       | 0           | 0                       | 0                       | 0                             | 0          | 0          | 0          | 0          |   |
| Salmonellosis  | 13          | 68                      | 14                      | 101                           | 127        | 140        | 200        | 133        | Brown (2), Clay (1), Coleman (1), Fisher (1), Haskell (2), Montague (1), Nolan (1), Taylor (3), Wilbarger (1) |
| Shiga toxin-producing <i>Escherichia coli</i> (STEC) | 1           | 17                      | 1                       | 12                            | 9          | 20         | 13         | 15         | Stephens (1)  |
| Shigellosis  | 0           | 14                      | 3                       | 30                            | 21         | 63         | 187        | 41         |   |
| Smallpox   | 0           | 0                       | 0                       | 0                             | 0          | 0          | 0          | 0          |   |
| <i>Streptococcus pneumoniae</i> , invasive           | 0           | 16                      | 1                       | 0                             | 10         | 18         | 24         | 14         |   |
| Streptococcus, Invasive Group A                      | 1           | 4                       | 0                       | 4                             | 9          | 9          | 7          | 5          | Taylor (1)  |
| Streptococcus, Invasive Group B                      | 5           | 15                      | 1                       | 8                             | 12         | 20         | 11         | 19         | Jones (1), Taylor (4)   |
| Tetanus  | 0           | 0                       | 0                       | 0                             | 0          | 0          | 0          | 0          |   |
| Typhoid Fever  | 0           | 1                       | 0                       | 0                             | 0          | 0          | 0          | 0          |   |
| Varicella (Chickenpox)                               | 0           | 17                      | 2                       | 171                           | 34         | 112        | 84         | 48         |   |
| Vibrio infection (including cholera)                 | 1           | 2                       | 0                       | 0                             | 1          | 3          | 0          | 1          | Young (1)   |
| VISA   | 0           | 0                       | 0                       | 0                             | 0          | 0          | 1          | 1          |   |
| VRSA   | 0           | 0                       | 0                       | 0                             | 0          | 0          | 0          | 0          |   |
| Yersiniosis  | 0           | 0                       | 0                       | 0                             | 1          | 0          | 0          | 0          |   |
| <b>Total</b>   | <b>29</b>   | <b>219</b>              |                         | <b>441</b>                    | <b>321</b> | <b>469</b> | <b>655</b> | <b>414</b> |   |

‡ Calculated by determining the median of the incidence counts for the current month, the month preceding the current month, and the month following the current month, for the 5 preceding years. †MDROs=Multi Drug Resistant Organisms

**FIGURE I. Notifiable Diseases Exceeding Five-year Monthly Median for August 2014, Health Service Region 2**



\*Ratio of current monthly total to median of 15 month totals (from previous, comparable, and subsequent months for the past 5 years).

Current Ratio
  Historical Limits

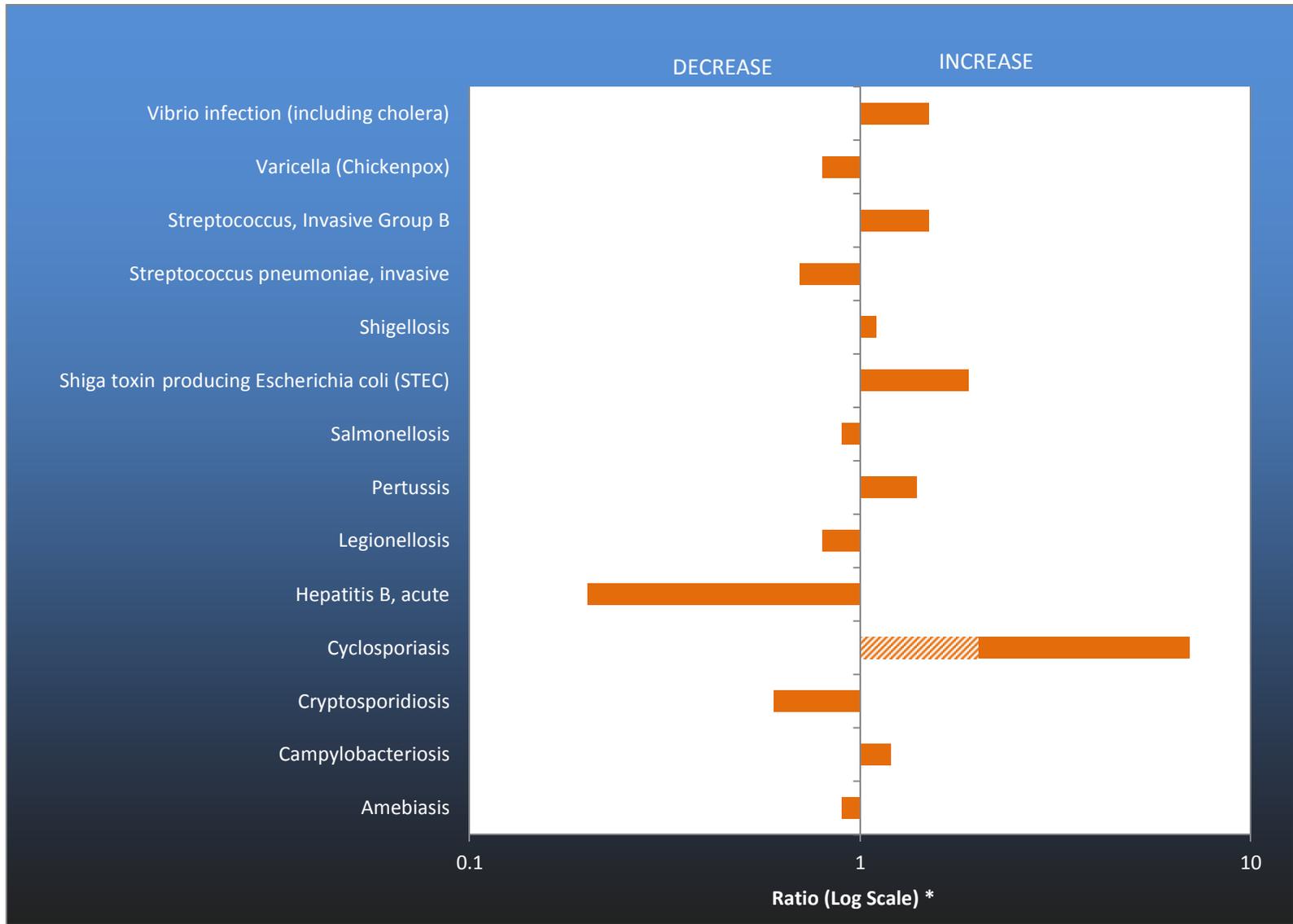
**Table 2: Reported Disease Case Counts in Health Service Region 3, August 2014**

| Disease                                  | August 2014 | January - December 2014 | 5-Year Monthly Median † | Total Cases in Previous Years |      |      |      |      | Counties Reporting during August 2014 (Counts)   |
|--|-------------|-------------------------|-------------------------|-------------------------------|------|------|------|------|--|
|  |             |                         |                         | 2009                          | 2010 | 2011 | 2012 | 2013 |  |
| Amebiasis                                | 6           | 33                      | 7                       | 100                           | 117  | 53   | 56   | 65   | Collin (2), Dallas (1), Denton (2), Tarrant (1)  |
| Amebic meningitis and encephalitis       | 0           | 0                       | 0                       | 0                             | 1    | 0    | 0    | 0    |  |
| Botulism (adult and infant)              | 0           | 2                       | 0                       | 0                             | 1    | 1    | 0    | 2    |  |
| Campylobacteriosis                       | 56          | 453                     | 46                      | 493                           | 374  | 438  | 572  | 606  | Collin (10), Dallas (20), Denton (1), Ellis (1), Hunt (1), Johnson (2), Kaufman (1), Navarro (1), Tarrant (17), Wise (2) |
| Creutzfeldt-Jakob Disease (CJD)          | 0           | 0                       | 0                       | 7                             | 10   | 2    | 6    | 1    |  |
| Cryptosporidiosis                        | 11          | 66                      | 18                      | 119                           | 164  | 126  | 98   | 128  | Collin (3), Dallas (5), Denton (1), Tarrant (2)  |
| Cyclosporiasis                           | 14          | 109                     | 2                       | 7                             | 8    | 9    | 13   | 183  | Collin (3), Dallas (5), Denton (2), Hood (1), Tarrant (2), Wise (1)  |
| Diphtheria                               | 0           | 0                       | 0                       | 0                             | 0    | 0    | 0    | 0    |  |
| <i>Haemophilus influenzae</i> , invasive | 0           | 2                       | 0                       | 1                             | 2    | 1    | 2    | 0    |  |
| Hepatitis A, acute                       | 0           | 19                      | 7                       | 79                            | 64   | 55   | 62   | 27   |  |
| Hepatitis B, acute                       | 1           | 15                      | 5                       | 155                           | 130  | 42   | 38   | 24   | Denton (1)   |
| Hepatitis B, perinatal                   | 0           | 1                       | 0                       | 1                             | 1    | 1    | 1    | 1    |  |
| Hepatitis C, acute                       | 0           | 11                      | 1                       | 9                             | 8    | 8    | 20   | 11   |  |
| Hepatitis E, acute                       | 1           | 4                       | 0                       | 4                             | 7    | 7    | 4    | 4    | Johnson (1)  |
| Influenza-associated pediatric mortality | 0           | 5                       | 0                       | 10                            | 2    | 5    | 5    | 2    |  |
| Legionellosis                            | 5           | 63                      | 6                       | 57                            | 69   | 52   | 59   | 68   | Dallas (3), Hunt (1), Tarrant (1)  |
| Listeriosis                              | 1           | 1                       | 1                       | 8                             | 5    | 14   | 8    | 9    | Tarrant (1)  |
| Measles                                  | 0           | 4                       | 0                       | 0                             | 0    | 3    | 0    | 25   |  |
| MDROs†                                   | 9           | 94                      | 0                       | 0                             | 0    | 0    | 0    | 0    | Collin (1), Denton (1), Hunt (2), Kaufman (1), Tarrant (4)   |
| Mumps                                    | 1           | 4                       | 0                       | 11                            | 12   | 7    | 5    | 1    | Johnson (1)  |
| <i>Neisseria meningitidis</i> , invasive | 1           | 3                       | 0                       | 17                            | 13   | 10   | 13   | 13   | Collin (1)   |

| Disease  | August 2014 | January - December 2014 | 5-Year Monthly Median † | Total Cases in Previous Years |              |              |              |              | Counties Reporting during August 2014 (Counts)  |
|--|-------------|-------------------------|-------------------------|-------------------------------|--------------|--------------|--------------|--------------|---|
|  |             |                         |                         | 2009                          | 2010         | 2011         | 2012         | 2013         |   |
| Pertussis  | 107         | 676                     | 74                      | 702                           | 657          | 282          | 675          | 1,850        | Collin (14), Dallas (24), Denton (12), Ellis (5), Hunt (1), Johnson (4), Kaufman (2), Parker (5), Tarrant (40)  |
| Poliomyelitis, acute paralytic                       | 0           | 0                       | 0                       | 0                             | 0            | 0            | 0            | 0            |   |
| Rubella (including congenital)                       | 0           | 0                       | 0                       | 0                             | 0            | 0            | 0            | 0            |   |
| Salmonellosis  | 120         | 676                     | 136                     | 1,021                         | 1,275        | 1,208        | 1,245        | 1,142        | Collin (7), Dallas (45), Denton (12), Ellis (2), Erath (2), Hood (2), Hunt (1), Johnson (6), Kaufman (1), Palo Pinto (2), Parker (7), Rockwall (3), Somervell (1), Tarrant (28), Wise (1) |
| Shiga toxin-producing <i>Escherichia coli</i> (STEC) | 26          | 164                     | 14                      | 93                            | 148          | 145          | 125          | 162          | Collin (5), Dallas (5), Denton (2), Erath (3), Hood (2), Tarrant (8), Wise (1)  |
| Shigellosis  | 53          | 450                     | 48                      | 260                           | 630          | 676          | 376          | 667          | Collin (6), Dallas (23), Denton (9), Johnson (3), Kaufman (1), Tarrant (10), Wise (1)   |
| Smallpox   | 0           | 0                       | 0                       | 0                             | 0            | 0            | 0            | 0            |   |
| <i>Streptococcus pneumoniae</i> , invasive           | 11          | 355                     | 15                      | 0                             | 301          | 413          | 458          | 499          | Dallas (4), Denton (1), Erath (1), Hunt (1), Johnson (1), Parker (1), Tarrant (2)   |
| Streptococcus, Invasive Group A                      | 7           | 147                     | 7                       | 104                           | 111          | 152          | 104          | 118          | Dallas (3), Johnson (1), Tarrant (3)  |
| Streptococcus, Invasive Group B                      | 37          | 275                     | 25                      | 197                           | 261          | 288          | 292          | 281          | Collin (3), Dallas (22), Denton (2), Ellis (1), Parker (1), Rockwall (1), Tarrant (7)   |
| Tetanus  | 0           | 1                       | 0                       | 0                             | 0            | 1            | 0            | 0            |   |
| Typhoid Fever  | 0           | 7                       | 2                       | 7                             | 10           | 11           | 8            | 7            |   |
| Varicella (Chickenpox)                               | 27          | 332                     | 36                      | 1,322                         | 783          | 710          | 614          | 513          | Collin (5), Dallas (7), Denton (2), Fannin (1), Kaufman (1), Rockwall (2), Tarrant (9)  |
| Vibrio infection (including cholera)                 | 3           | 9                       | 2                       | 8                             | 16           | 9            | 16           | 10           | Denton (1), Tarrant (2)   |
| VISA   | 0           | 1                       | 0                       | 0                             | 4            | 1            | 7            | 2            |   |
| VRSA   | 0           | 0                       | 0                       | 0                             | 0            | 0            | 0            | 0            |   |
| Yersiniosis  | 0           | 3                       | 0                       | 4                             | 5            | 4            | 5            | 12           |   |
| <b>Total</b>   | <b>497</b>  | <b>3,985</b>            |                         | <b>4,796</b>                  | <b>5,189</b> | <b>4,734</b> | <b>4,887</b> | <b>6,433</b> |   |

‡ Calculated by determining the median of the incidence counts for the current month, the month preceding the current month, and the month following the current month, for the 5 preceding years. †MDROs=Multi Drug Resistant Organisms

**FIGURE II. Notifiable Diseases Exceeding Five-year Monthly Median for August 2014, Health Service Region 3**



\*Ratio of current monthly total to median of 15 month totals (from previous, comparable, and subsequent months for the past 5 years).

Current Ratio
  Historical Limits

## Texas Department of State Health Services Health Service Regions 2 and 3

