

# Regional Surveillance Report: May 2014

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## SUMMARY

- **Health Service Region 2**
  - There were a total of 25 cases reported in Health Service Region 2 for the month.
  - Reported cases of the following diseases differed from the five-year monthly median: Hepatitis C, acute, Salmonellosis, Shigellosis, *Streptococcus pneumoniae*, invasive, Streptococcus, Invasive Group B, and Varicella (Chickenpox).
  - There were no reported cases beyond historical limits for the five-year monthly median.
- **Health Service Region 3**
  - There were a total of 472 cases in Health Service Region 3 for the month.
  - Reported cases of the following diseases differed from the five-year monthly median: Amebiasis, Campylobacteriosis, Cryptosporidiosis, Hepatitis A, acute, Legionellosis, Pertussis, Salmonellosis, Shiga toxin-producing *Escherichia coli* (STEC), Shigellosis, *Streptococcus pneumoniae*, invasive, Streptococcus, Invasive Group A, Streptococcus, Invasive Group B, Typhoid Fever, and Varicella (Chickenpox).
  - Reported cases Legionellosis were beyond historical limits for the five-year monthly median.
- **Outbreak Investigations**
  - A rash-like illness outbreak was reported and investigated by DSHS in a child care facility in Johnson County.
  - A Shigellosis outbreak was reported and investigated by DSHS in a school district in Palo Pinto County.
  - A Pertussis outbreak was reported and investigated by Denton County in a school.
  - A Shigellosis outbreak as reported and investigated by Denton County in a school.

***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.*

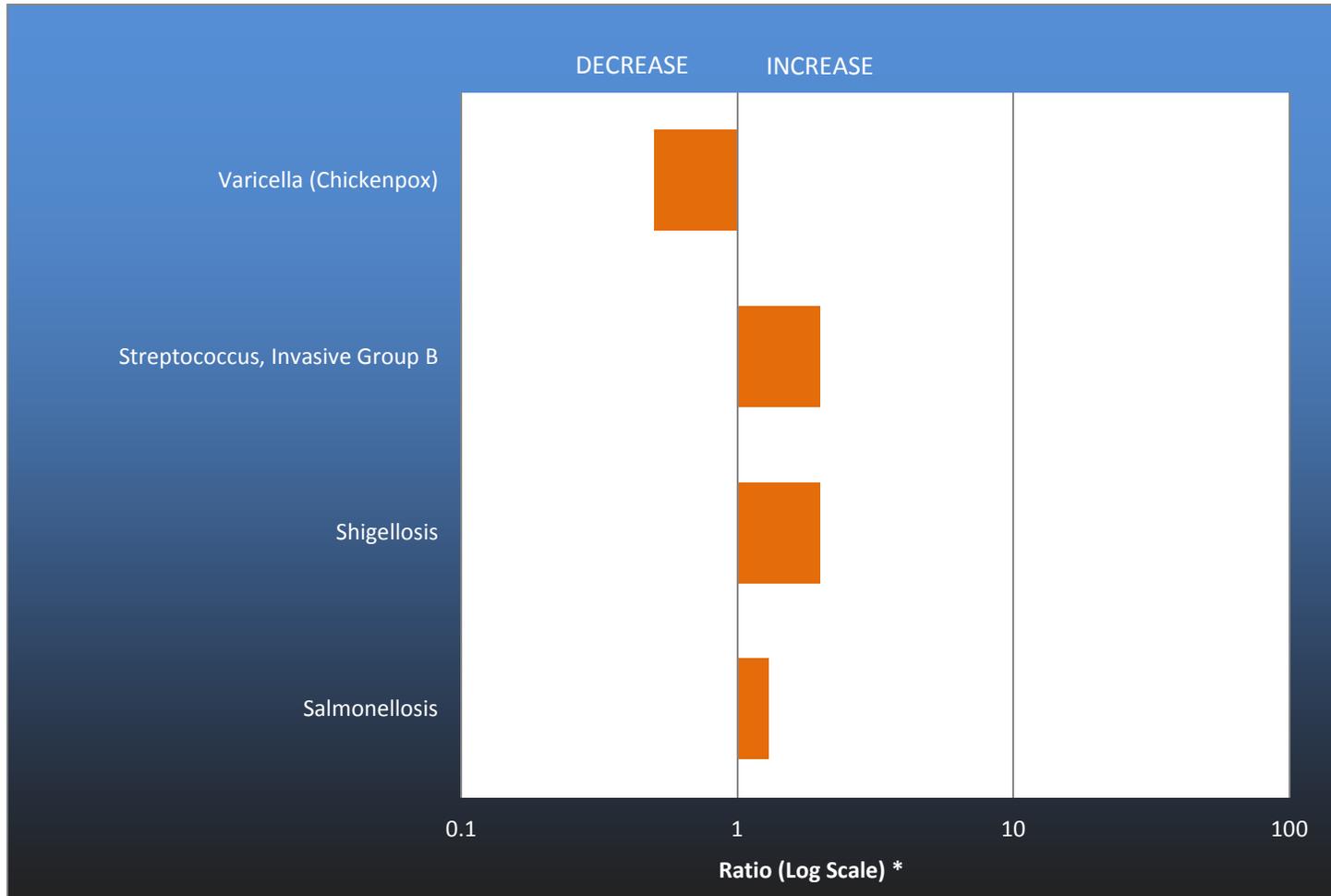
**Table 1: Reported Disease Case Counts in Health Service Region 2, May 2014**

| <u>Disease</u>                           | <u>May 2014</u> | <u>January -<br/>December 2014</u> | <u>5-Year<br/>Monthly<br/>Median F</u> | <u>Total Cases in Previous Years</u> |             |             |             |             | <u>Counties Reporting during<br/>May 2014 (Counts)</u> |
|--|-----------------|------------------------------------|--|--------------------------------------|-------------|-------------|-------------|-------------|--|
|  |                 |                                    |  | <u>2009</u>                          | <u>2010</u> | <u>2011</u> | <u>2012</u> | <u>2013</u> |  |
| 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                       | 3               | 12                                 | 3                                      | 42                                   | 39          | 42          | 71          | 38          | Baylor (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               | 0                                  | 0                                      | 0                                    | 1           | 0           | 0           | 4           |  |
| Diphtheria                               | 0               | 0                                  | 0                                      | 0                                    | 0           | 0           | 0           | 0           |  |
| <i>Haemophilus influenzae</i> , invasive | 0               | 0                                  | 0                                      | 0                                    | 0           | 0           | 0           | 0           |  |
| Hepatitis A, acute                       | 0               | 1                                  | 0                                      | 4                                    | 4           | 4           | 5           | 3           |  |
| Hepatitis B, acute                       | 0               | 2                                  | 1                                      | 19                                   | 13          | 9           | 7           | 4           |  |
| Hepatitis B, perinatal                   | 0               | 0                                  | 0                                      | 0                                    | 0           | 0           | 0           | 0           |  |
| Hepatitis C, acute                       | 1               | 2                                  | 0                                      | 11                                   | 5           | 2           | 0           | 4           | Coleman (1)  |
| 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               | 1                                  | 0                                      | 0                                    | 3           | 2           | 4           | 3           |  |
| Listeriosis                              | 0               | 0                                  | 0                                      | 0                                    | 0           | 2           | 0           | 0           |  |
| Measles                                  | 0               | 0                                  | 0                                      | 0                                    | 0           | 0           | 0           | 0           |  |
| MDROs†                                   | 0               | 0                                  | 0                                      | 0                                    | 0           | 0           | 0           | 0           |  |
| Mumps                                    | 0               | 1                                  | 0                                      | 2                                    | 2           | 2           | 0           | 0           |  |
| <i>Neisseria meningitidis</i> , invasive | 0               | 0                                  | 0                                      | 2                                    | 4           | 0           | 0           | 0           |  |
| Pertussis                                | 0               | 12                                 | 1                                      | 15                                   | 15          | 9           | 31          | 77          |  |

| <u>Disease</u>                                       | <u>May 2014</u> | <u>January -<br/>December 2014</u> | <u>5-Year<br/>Monthly<br/>Median †</u> | <u>Total Cases in Previous Years</u> |             |             |             |             | <u>Counties Reporting during<br/>May 2014 (Counts)</u>                                   |
|--|-----------------|------------------------------------|--|--------------------------------------|-------------|-------------|-------------|-------------|--|
|  |                 |                                    |  | <u>2009</u>                          | <u>2010</u> | <u>2011</u> | <u>2012</u> | <u>2013</u> |  |
| Poliomyelitis, acute paralytic                       | 0               | 0                                  | 0                                      | 0                                    | 0           | 0           | 0           | 0           |  |
| Rubella (including congenital)                       | 0               | 0                                  | 0                                      | 0                                    | 0           | 0           | 0           | 0           |  |
| Salmonellosis  | 10              | 35                                 | 8                                      | 100                                  | 127         | 140         | 199         | 133         | Comanche (2), Eastland (1), Haskell (1), Runnels (1), Taylor (3), Wichita (1), Young (1) |
| Shiga toxin-producing <i>Escherichia coli</i> (STEC) | 1               | 10                                 | 1                                      | 12                                   | 9           | 20          | 13          | 15          | Baylor (1)   |
| Shigellosis  | 4               | 10                                 | 2                                      | 30                                   | 21          | 63          | 187         | 41          | Montague (1), Taylor (3)   |
| Smallpox   | 0               | 0                                  | 0                                      | 0                                    | 0           | 0           | 0           | 0           |  |
| <i>Streptococcus pneumoniae</i> , invasive           | 1               | 14                                 | 0                                      | 0                                    | 10          | 18          | 24          | 14          | Montague (1)   |
| Streptococcus, Invasive Group A                      | 0               | 2                                  | 0                                      | 4                                    | 9           | 9           | 7           | 5           |  |
| Streptococcus, Invasive Group B                      | 2               | 9                                  | 1                                      | 8                                    | 12          | 19          | 11          | 19          | Taylor (2)   |
| Tetanus  | 0               | 0                                  | 0                                      | 0                                    | 0           | 0           | 0           | 0           |  |
| Typhoid Fever  | 0               | 1                                  | 0                                      | 0                                    | 0           | 0           | 0           | 0           |  |
| Varicella (Chickenpox)                               | 3               | 13                                 | 6                                      | 171                                  | 34          | 112         | 84          | 48          | Comanche (1), Taylor (2)   |
| Vibrio infection (including cholera)                 | 0               | 0                                  | 0                                      | 0                                    | 1           | 3           | 0           | 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>25</b>       | <b>128</b>                         |  | <b>440</b>                           | <b>321</b>  | <b>467</b>  | <b>654</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 May 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

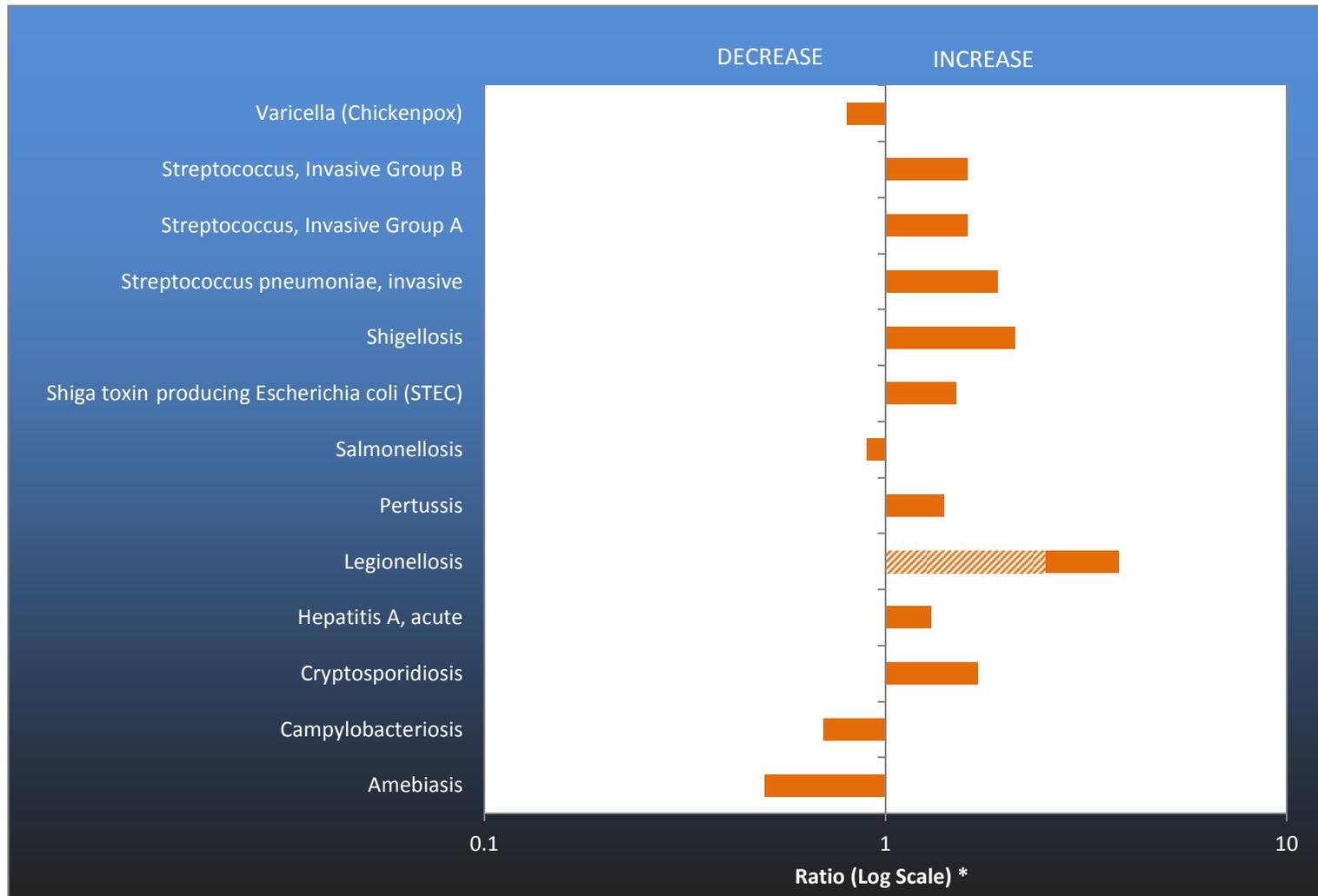
**Table 2: Reported Disease Case Counts in Health Service Region 3, May 2014**

| Disease                                  | May 2014 | January - December 2014 | 5-Year Monthly Median † | Total Cases in Previous Years |      |      |      |      | Counties Reporting during May 2014 (Counts)   |
|--|----------|-------------------------|-------------------------|-------------------------------|------|------|------|------|---|
|  |          |                         |                         | 2009                          | 2010 | 2011 | 2012 | 2013 |   |
| Amebiasis                                | 2        | 20                      | 4                       | 100                           | 117  | 53   | 56   | 65   | Dallas (2)  |
| Amebic meningitis and encephalitis       | 0        | 0                       | 0                       | 0                             | 1    | 0    | 0    | 0    |   |
| Botulism (adult and infant)              | 0        | 1                       | 0                       | 0                             | 1    | 1    | 0    | 2    |   |
| Campylobacteriosis                       | 39       | 174                     | 58                      | 493                           | 374  | 438  | 572  | 606  | Collin (7), Dallas (11), Denton (5), Ellis (1), Hood (1), Kaufman (1), Tarrant (13) |
| Creutzfeldt-Jakob Disease (CJD)          | 0        | 0                       | 0                       | 7                             | 10   | 2    | 6    | 1    |   |
| Cryptosporidiosis                        | 10       | 32                      | 6                       | 119                           | 164  | 126  | 98   | 128  | Collin (2), Dallas (3), Denton (1), Tarrant (4)                                     |
| Cyclosporiasis                           | 0        | 3                       | 0                       | 7                             | 8    | 9    | 13   | 183  |   |
| 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                       | 5        | 11                      | 4                       | 79                            | 64   | 54   | 62   | 27   | Dallas (1), Tarrant (4)   |
| Hepatitis B, acute                       | 4        | 11                      | 4                       | 155                           | 130  | 42   | 38   | 24   | Collin (1), Dallas (1), Rockwall (1), Tarrant (1)                                   |
| Hepatitis B, perinatal                   | 0        | 1                       | 0                       | 1                             | 1    | 1    | 1    | 1    |   |
| Hepatitis C, acute                       | 0        | 4                       | 1                       | 9                             | 8    | 8    | 20   | 11   |   |
| Hepatitis E, acute                       | 0        | 3                       | 0                       | 4                             | 7    | 7    | 4    | 4    |   |
| Influenza-associated pediatric mortality | 0        | 5                       | 0                       | 10                            | 2    | 5    | 5    | 2    |   |
| Legionellosis                            | 15       | 40                      | 4                       | 57                            | 69   | 52   | 59   | 68   | Collin (1), Dallas (8), Denton (1), Navarro (1), Tarrant (4)                        |
| Listeriosis                              | 0        | 0                       | 1                       | 8                             | 5    | 14   | 8    | 9    |   |
| Measles                                  | 0        | 3                       | 0                       | 0                             | 0    | 3    | 0    | 25   |   |
| MDROs†                                   | 17       | 25                      | 0                       | 0                             | 0    | 0    | 0    | 0    | Collin (3), Dallas (7), Ellis (1), Hunt (1), Tarrant (5)                            |
| Mumps                                    | 0        | 2                       | 0                       | 11                            | 12   | 7    | 5    | 1    |   |
| <i>Neisseria meningitidis</i> , invasive | 0        | 2                       | 1                       | 17                            | 13   | 10   | 13   | 13   |   |

| <u>Disease</u>                                       | <u>May 2014</u> | <u>January -<br/>December 2014</u> | <u>5-Year<br/>Monthly<br/>Median †</u> | <u>Total Cases in Previous Years</u> |              |              |              |              | <u>Counties Reporting during May<br/>2014 (Counts)</u>  |
|--|-----------------|------------------------------------|--|--------------------------------------|--------------|--------------|--------------|--------------|---|
|  |                 |                                    |  | <u>2009</u>                          | <u>2010</u>  | <u>2011</u>  | <u>2012</u>  | <u>2013</u>  |   |
| Pertussis  | 77              | 355                                | 55                                     | 702                                  | 657          | 282          | 675          | 1,850        | Collin (11), Dallas (8), Denton (6), Ellis (1), Hunt (1), Rockwall (2), Tarrant (48)  |
| Poliomyelitis, acute paralytic                       | 0               | 0                                  | 0                                      | 0                                    | 0            | 0            | 0            | 0            |   |
| Rubella (including congenital)                       | 0               | 0                                  | 0                                      | 0                                    | 0            | 0            | 0            | 0            |   |
| Salmonellosis  | 74              | 267                                | 85                                     | 1,021                                | 1,275        | 1,208        | 1,245        | 1,142        | Collin (6), Dallas (18), Denton (13), Ellis (1), Erath (2), Fannin (1), Johnson (2), Kaufman (1), Palo Pinto (1), Parker (2), Rockwall (1), Somervell (2), Tarrant (23), Wise (2) |
| Shiga toxin-producing <i>Escherichia coli</i> (STEC) | 15              | 91                                 | 10                                     | 93                                   | 148          | 145          | 125          | 162          | Collin (1), Dallas (3), Denton (2), Grayson (3), Parker (1), Tarrant (5)  |
| Shigellosis  | 61              | 236                                | 29                                     | 260                                  | 630          | 676          | 376          | 667          | Collin (2), Dallas (16), Denton (9), Ellis (1), Palo Pinto (10), Rockwall (1), Tarrant (22)   |
| Smallpox   | 0               | 0                                  | 0                                      | 0                                    | 0            | 0            | 0            | 0            |   |
| <i>Streptococcus pneumoniae</i> , invasive           | 39              | 307                                | 21                                     | 0                                    | 301          | 413          | 458          | 499          | Collin (4), Dallas (17), Denton (3), Erath (1), Navarro (1), Rockwall (1), Tarrant (12)   |
| Streptococcus, Invasive Group A                      | 14              | 113                                | 9                                      | 104                                  | 111          | 152          | 104          | 118          | Collin (2), Dallas (6), Denton (2), Johnson (1), Kaufman (2), Wise (1)  |
| Streptococcus, Invasive Group B                      | 34              | 173                                | 21                                     | 197                                  | 261          | 288          | 292          | 281          | Collin (5), Cooke (1), Dallas (11), Ellis (1), Johnson (1), Kaufman (1), Tarrant (13), Wise (1)   |
| Tetanus  | 0               | 1                                  | 0                                      | 0                                    | 0            | 1            | 0            | 0            |   |
| Typhoid Fever  | 1               | 5                                  | 0                                      | 7                                    | 10           | 11           | 8            | 7            | Collin (1)  |
| Varicella (Chickenpox)                               | 64              | 211                                | 76                                     | 1,322                                | 783          | 710          | 614          | 513          | Collin (4), Dallas (18), Denton (10), Johnson (3), Tarrant (25), Wise (4)   |
| Vibrio infection (including cholera)                 | 1               | 1                                  | 1                                      | 8                                    | 16           | 9            | 16           | 10           | Dallas (1)  |
| VISA   | 0               | 0                                  | 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>472</b>      | <b>2,102</b>                       |  | <b>4,796</b>                         | <b>5,189</b> | <b>4,733</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

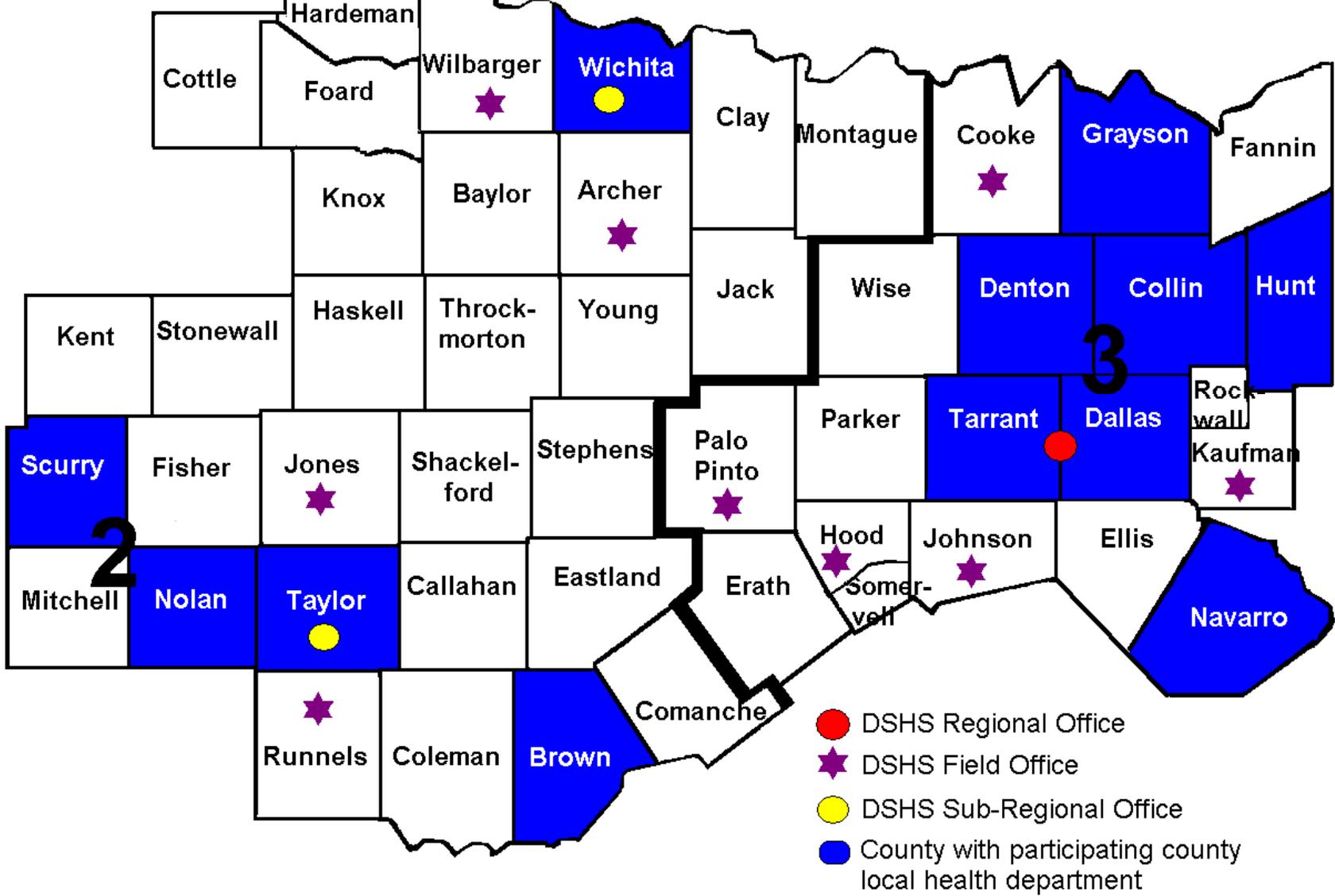
**FIGURE II. Notifiable Diseases Exceeding Five-year Monthly Median for May 2014, Health Service Region 3**



\*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



- DSHS Regional Office
- ★ DSHS Field Office
- DSHS Sub-Regional Office
- County with participating county local health department

If you have any questions about this monthly report or notifiable disease conditions in Texas, please contact:  
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 Phone: 817-264-4550 Reporting FAX: 817-264-4557