

# Regional Surveillance Report: October 2014

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## SUMMARY

- **Health Service Region 2**

- There were a total of 28 cases reported in Health Service Region 2 for the month.
- Reported cases of Varicella (chickenpox) were beyond historical limits for the five-year monthly median.

- **Health Service Region 3**

- There were a total of 534 cases in Health Service Region 3 for the month.
- Reported cases of Legionellosis and Viral Hemorrhagic Fever were beyond historical limits for the five-year monthly median.

- **Outbreak Investigations**

- A Shiga toxin-producing *E. coli* (STEC) outbreak was reported and investigated by Denton County in a restaurant.
- A Pertussis outbreak was reported and investigated by DSHS in a Parker County elementary school.
- A Norovirus outbreak was reported and investigated by DSHS in a Wilbarger County assisted living facility.
- A Hand, Foot, and Mouth disease outbreak was reported and investigated by DSHS in a Johnson County daycare center.
- Dallas County report 2 confirmed cases of Ebola. Of 177 contacts monitored by public health, no other cases were identified.
- There were 2 cases of enterovirus D68.
  - 1 in Johnson County and 1 in Tarrant County

***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.*

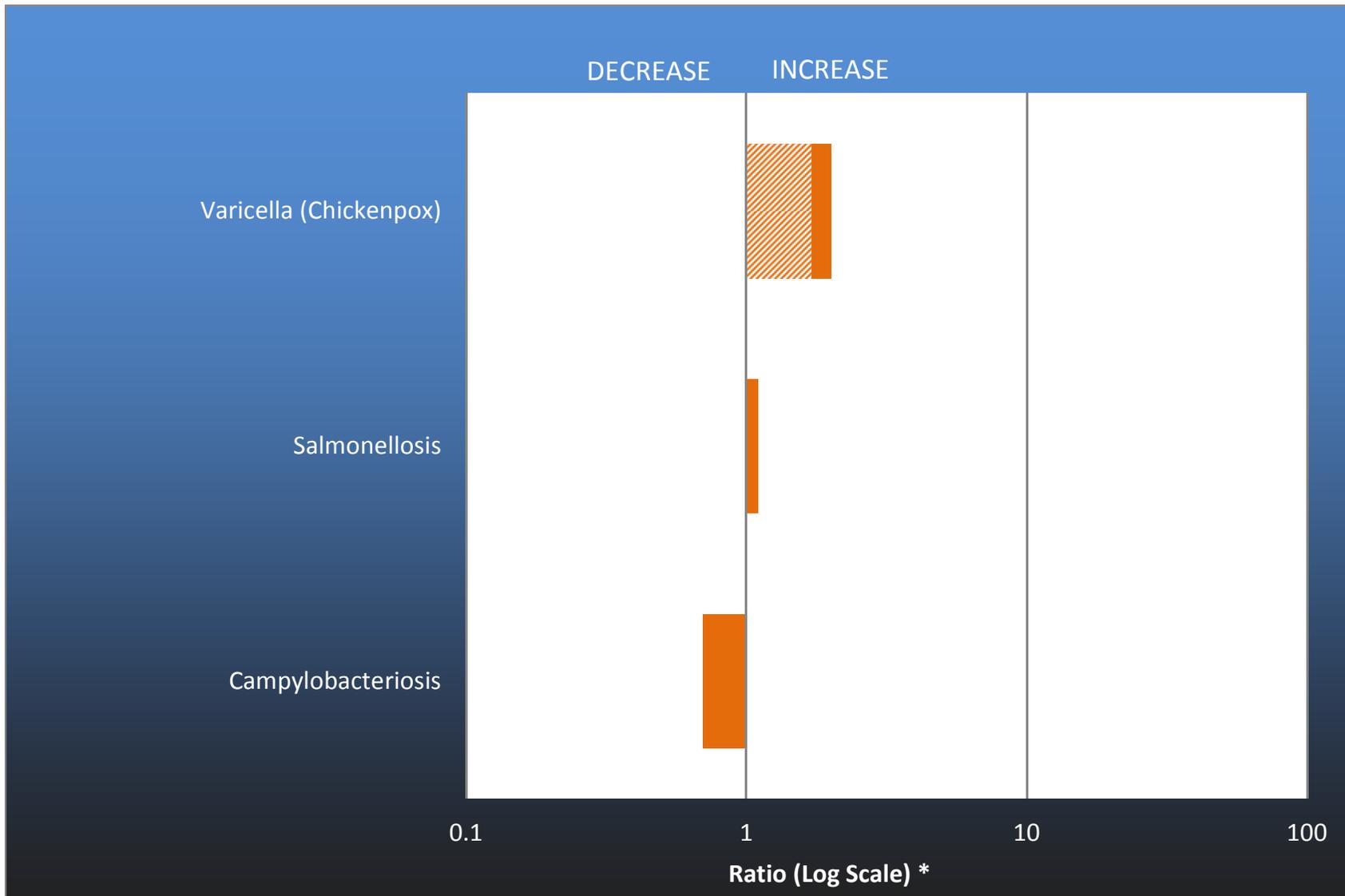
**Table 1: Reported Disease Case Counts in Health Service Region 2, October 2014**

Disease	October 2014	January - December 2014	5-Year Monthly Median F	Total Cases in Previous Years					Counties Reporting during October 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	2	27	3	42	39	43	71	38	Baylor (1), Montague (1)
Creutzfeldt-Jakob Disease (CJD)	0	0	0	1	0	1	0	0	
Cryptosporidiosis	1	5	1	6	1	10	9	4	Clay (1)
Cyclosporiasis	0	1	0	0	1	0	0	4	
Diphtheria	0	0	0	0	0	0	0	0	
<i>Haemophilus influenzae</i> , invasive	0	1	0	0	0	0	0	0	
Hepatitis A, acute	0	2	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	4	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	0	11	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	2	20	2	15	15	9	31	77	Nolan (1), Young(1)

Disease	October 2014	January - December 2014	5-Year Monthly Median †	Total Cases in Previous Years					Counties Reporting during October 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	16	93	14	101	127	140	200	133	Brown (2), Callahan (1), Coleman (2), Fisher (2), Jack (1), Taylor (6), Wichita (1), Young (1)
Shiga toxin-producing <i>Escherichia coli</i> (STEC)	0	17	1	12	9	20	13	15	
Shigellosis	0	15	4	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	5	0	4	9	9	7	5	Eastland (1)
Streptococcus, Invasive Group B	0	16	1	8	12	20	11	19	
Tetanus	0	0	0	0	0	0	0	0	
Typhoid Fever	0	1	0	0	0	0	0	0	
Varicella (Chickenpox)	6	25	3	171	34	112	84	48	Brown (1), Montague (2), Nolan (3)
Vibrio infection (including cholera)	0	2	0	0	1	3	0	1	
Viral Hemorrhagic Fever	0	0		0	0	0	0	0	
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>28</b>	<b>272</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 October 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

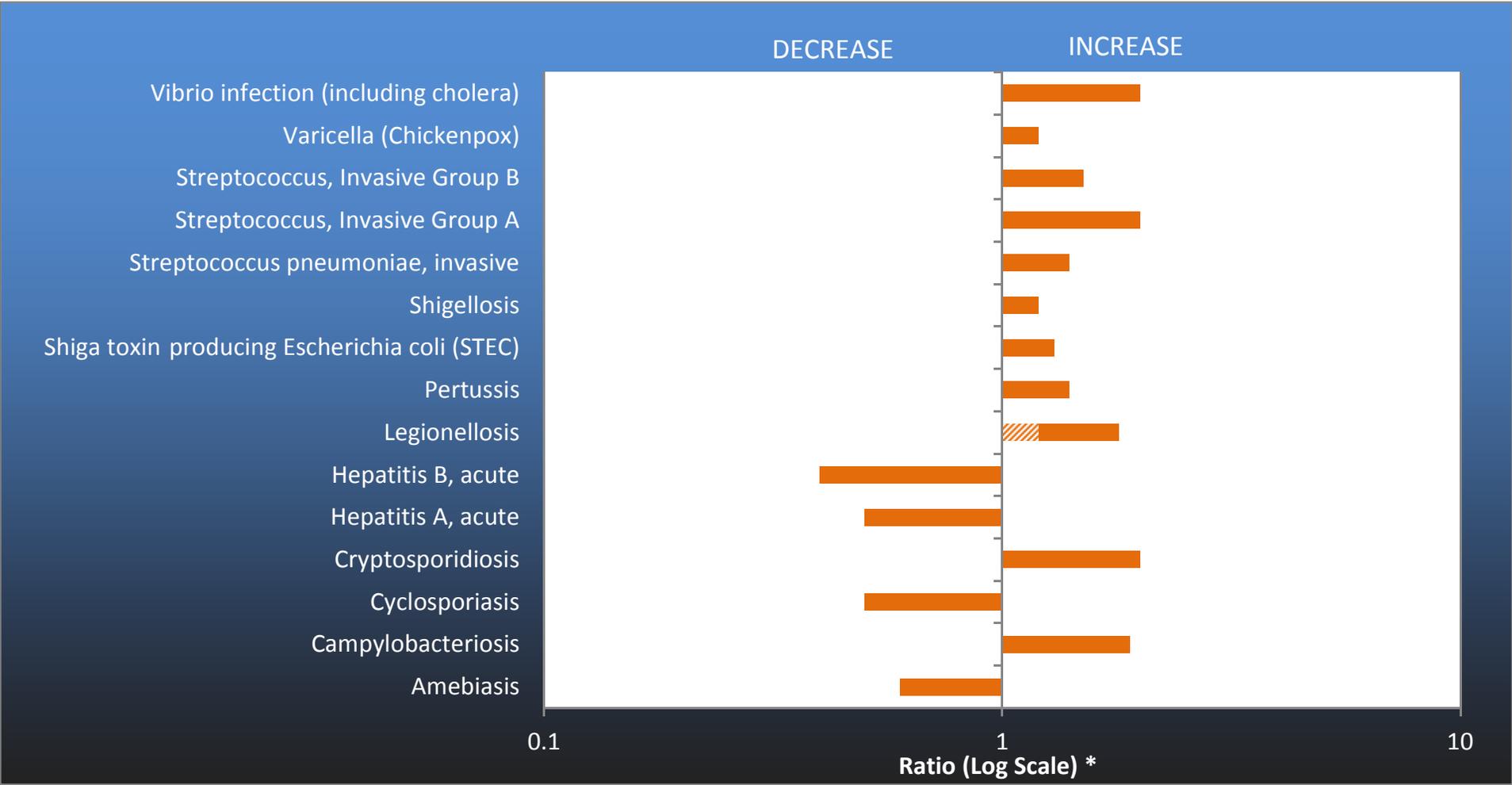
**Table 2: Reported Disease Case Counts in Health Service Region 3, October 2014**

Disease	October 2014	January - December 2014	5-Year Monthly Median †	Total Cases in Previous Years					Counties Reporting during October 2014 (Counts)
				2009	2010	2011	2012	2013	
Amebiasis	3	38	5	99	117	53	56	65	Collin (1), Dallas (2)
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	55	582	29	493	374	438	572	606	Collin (4), Dallas (23), Denton (3), Ellis (1), Johnson (1), Kaufman (3), Parker (5), Tarrant (15)
Creutzfeldt-Jakob Disease (CJD)	0	0	0	7	10	2	6	1	
Cryptosporidiosis	6	89	12	119	164	126	98	128	Collin (2), Dallas (1), Tarrant (3)
Cyclosporiasis	2	114	1	7	8	9	13	183	Dallas (2)
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	2	23	4	79	64	55	62	27	Tarrant (1), Wise (1)
Hepatitis B, acute	2	20	5	155	130	42	38	24	Dallas (1), Kaufman (1)
Hepatitis B, perinatal	0	1	0	1	1	1	1	1	
Hepatitis C, acute	3	14	0	9	8	8	20	11	Dallas (1), Ellis (1), Parker (1)
Hepatitis E, acute	1	6	0	4	7	7	4	4	Denton (1)
Influenza-associated pediatric mortality	0	5	0	10	2	5	5	2	
Legionellosis	11	85	6	57	69	52	59	68	Dallas (5), Denton (2), Ellis (1), Parker (1), Tarrant (2)
Listeriosis	0	3	1	8	5	14	8	9	
Measles	0	4	0	0	0	3	0	25	
MDROs†	9	118	0	0	0	0	0	0	Collin (1), Dallas (7), Tarrant (1)
Mumps	0	4	0	11	12	7	5	1	
<i>Neisseria meningitidis</i> , invasive	0	3	1	17	13	10	13	13	

Disease	October 2014	January - December 2014	5-Year Monthly Median †	Total Cases in Previous Years					Counties Reporting during October 2014 (Counts)
				2009	2010	2011	2012	2013	
Pertussis	81	841	58	702	657	282	675	1,850	Collin (17), Dallas (13), Denton (5), Kaufman (1), Parker (7), Rockwall (1), Tarrant (31), Wise (6)
Poliomyelitis, acute paralytic	0	0	0	0	0	0	0	0	
Rubella (including congenital)	0	0	0	0	0	0	0	0	
Salmonellosis	124	954	125	1,021	1,275	1,208	1,245	1,142	Collin (9), Dallas (23), Denton (12), Ellis (7), Erath (1), Hood (7), Johnson (11), Kaufman (5), Palo Pinto (1), Parker (2), Rockwall (2), Somervell (2), Tarrant (41), Wise (1)
Shiga toxin-producing <i>Escherichia coli</i> (STEC)	19	191	15	93	148	145	125	162	Collin (1), Dallas (6), Denton (3), Ellis (2), Erath (1), Hood (1), Tarrant (4), Wise (1)
Shigellosis	71	59	59	260	630	676	376	667	Collin (7), Dallas (14), Denton (13), Erath (2), Kaufman (2), Rockwall (1), Tarrant (32)
Smallpox	0	0	0	0	0	0	0	0	
<i>Streptococcus pneumoniae</i> , invasive	36	413	25	0	301	413	458	499	Collin (1), Dallas (12), Denton (3), Ellis (4), Johnson (2), Kaufman (1), Rockwall (1), Tarrant (11), Wise (1)
Streptococcus, Invasive Group A	14	172	7	104	111	152	104	118	Dallas (4), Denton (1), Tarrant (9)
Streptococcus, Invasive Group B	36	347	24	197	261	288	292	281	Collin (2), Dallas (13), Denton (1), Johnson (2), Kaufman (1), Rockwall (1), Tarrant (16)
Tetanus	0	1	0	0	0	1	0	0	
Typhoid Fever	0	10	1	7	10	11	8	7	
Varicella (Chickenpox)	55	440	46	1,322	783	710	614	513	Collin (6), Cooke (2), Dallas (10), Denton (2), Ellis (1), Johnson (3), Kaufman (3), Parker (3), Tarrant (24), Wise (1)
Vibrio infection (including cholera)	2	16	1	8	16	9	16	10	Dallas (1), Tarrant (1)
Viral Hemorrhagic Fever (Ebola)	2	3	0	0	0	0	0	0	Dallas (2)
VISA	0	1	0	0	4	1	7	2	
VRSA	0	0	0	0	0	0	0	0	
Yersiniosis	0	4	0	4	5	4	5	12	
<b>Total</b>	<b>534</b>	<b>4,565</b>		<b>4,795</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

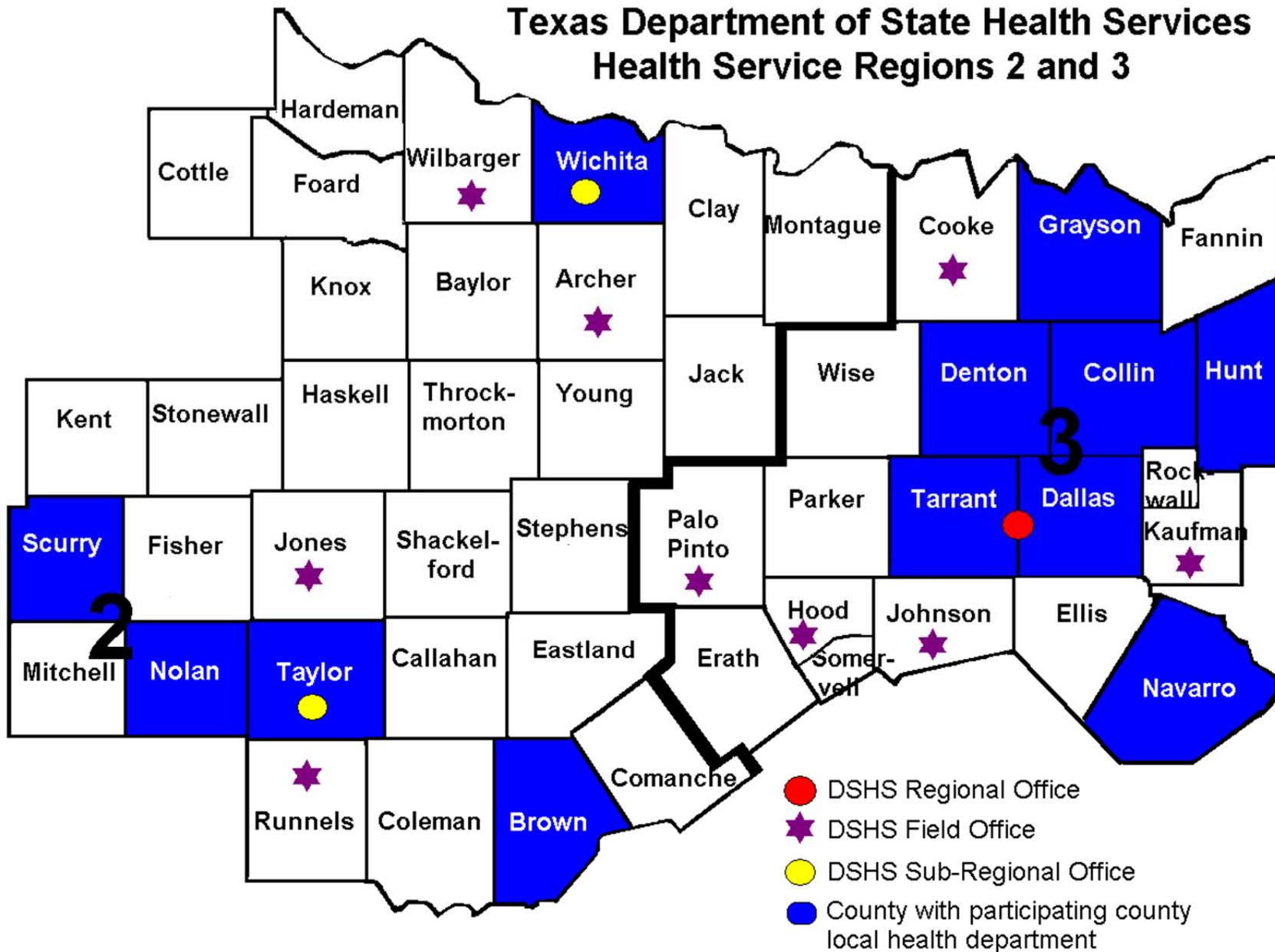
**FIGURE II. Notifiable Diseases Exceeding Five-year Monthly Median for October 2014, Health Service Region 3**



\*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



If you have any questions about this monthly report or notifiable disease conditions in Texas, please contact:  
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