

Regional Surveillance Report: December 2015

SUMMARY

- **Health Service Region 2**

- There were a total of 53 cases reported in Health Service Region 2 for the month.
- Reported cases of Campylobacteriosis, *Streptococcus pneumoniae* (invasive) and Varicella (chickenpox) were beyond historical limits for the five-year monthly median (highlighted in Table 1).

- **Health Service Region 3**

- There were a total of 537 cases in Health Service Region 3 for the month.
- Reported cases of Campylobacteriosis and Cryptosporidiosis were beyond historical limits for the five-year monthly median (highlighted in Table 2).

- **Outbreak Investigations**

- A salmonellosis outbreak was investigated in Rockwall County associated with a childcare 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.

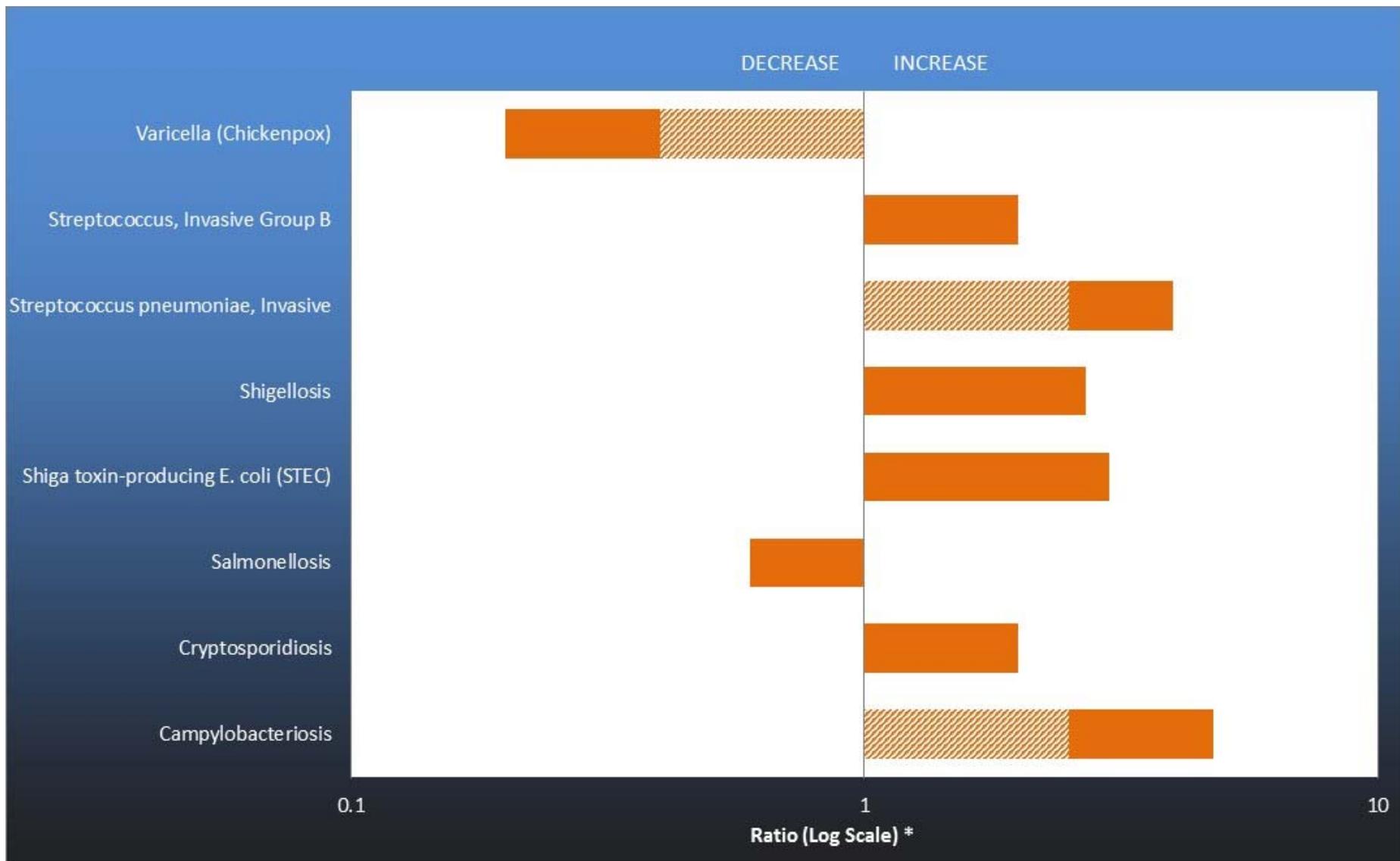
Table 1: Reported Disease Case Counts in Health Service Region 2, December 2015

Disease	December 2015	January - December 2015	5-Year Monthly Median F	Total Cases in Previous Years					Counties Reporting during December 2015 (Counts)
				2014	2013	2012	2011	2010	
Amebiasis	0	0	0	0	0	1	0	9	
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	19	132	4	37	38	71	43	39	Archer (1), Baylor (1), Brown (1), Jack (1), Nolan (1), Taylor (2), Wichita (9), Young (1)
Creutzfeldt-Jakob Disease (CJD)	0	0	0	0	0	0	1	0	
Cryptosporidiosis	2	23	1	8	4	9	10	1	Wichita (2)
Cyclosporiasis	0	7	0	1	4	0	0	1	
Diphtheria	0	0	0	0	0	0	0	0	
<i>Haemophilus influenzae</i> , invasive	0	1	0	1	0	0	0	0	
Hemolytic Uremic Syndrome (HUS)	0	0	0	1	0	1	1	1	
Hepatitis A, acute	0	3	0	2	3	5	4	4	
Hepatitis B, acute	0	5	0	4	4	7	9	13	
Hepatitis B, perinatal	0	0	0	0	0	0	0	0	
Hepatitis C, acute	2	14	0	11	4	0	2	5	Foard (1), Wilbarger (1)
Hepatitis E, acute	0	1	0	0	0	0	0	0	
Influenza-associated pediatric mortality	0	1	0	0	0	0	0	1	
Legionellosis	0	5	0	6	3	4	2	3	
Listeriosis	0	0	0	0	0	0	2	0	
Measles	0	1	0	3	0	0	0	0	
MDROs	0	8	0	16	0	0	0	0	
Mumps	0	0	0	1	0	0	2	2	
<i>Neisseria meningitidis</i> , invasive	0	0	0	0	0	0	0	4	

Disease	December 2015	January - December 2015	5-Year Monthly Median †	Total Cases in Previous Years					Counties Reporting during December 2015 (Counts)
				2014	2013	2012	2011	2010	
Pertussis	2	68	2	24	77	31	9	15	Wichita (2)
Poliomyelitis, acute paralytic	0	0	0	0	0	0	0	0	
Rubella (including congenital)	0	0	0	0	0	0	0	0	
Salmonellosis	5	147	9	117	133	200	140	127	Brown (1), Clay (1), Haskell (1), Taylor (1), Wichita (1)
Shiga toxin-producing <i>Escherichia coli</i> (STEC)	3	21	1	26	15	13	20	9	Montague (1), Wichita (2)
Shigellosis	8	77	3	20	41	187	63	30	Wichita (8)
Smallpox	0	0	0	0	0	0	0	0	
<i>Streptococcus pneumoniae</i> , invasive	8	50	2	22	14	24	18	10	Mitchell (1), Montague (1), Wichita (6)
Streptococcus, Invasive Group A	1	23	0	7	5	7	9	9	Wichita (1)
Streptococcus, Invasive Group B	2	30	1	24	19	11	20	12	Wichita (2)
Tetanus	0	0	0	0	0	0	0	0	
Typhoid Fever	0	0	0	1	0	0	0	0	
Varicella (Chickenpox)	1	40	5	33	48	84	112	34	Jack (1)
Vibrio infection (including cholera)	0	1	0	2	1	0	3	1	
Viral Hemorrhagic Fever	0	0	0	0	0	0	0	0	
VISA	0	0	0	1	1	1	0	0	
VRSA	0	0	0	0	0	0	0	0	
Yersiniosis	0	2	0	1	0	0	0	1	
Total	53	660		369	414	656	470	331	

† 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 December 2015, 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). Conditions with a 5-year monthly median of zero or a ratio of 1 are not displayed in the figure above.

Current Ratio
 Historical Limits

Table 2: Reported Disease Case Counts in Health Service Region 3, December 2015

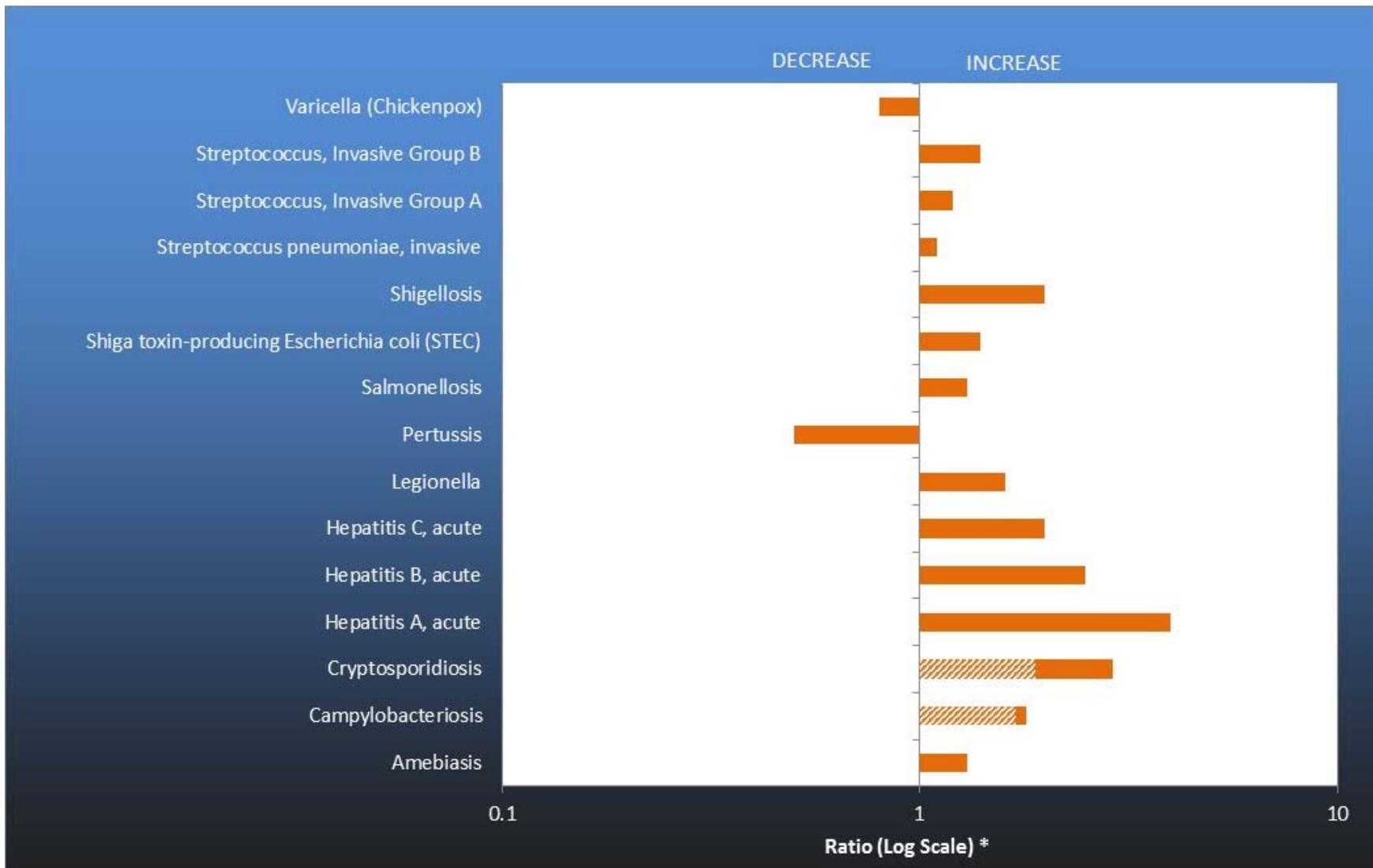
Disease	December 2015	January – December 2015	5-Year Monthly Median †	Total Cases in Previous Years					Counties Reporting during December 2015 (Counts)
				2014	2013	2012	2011	2010	
Amebiasis	5	47	4	46	65	56	53	117	Dallas (2), Denton (1), Ellis (1), Tarrant (1)
Amebic meningitis and encephalitis	0	0	0	0	0	0	0	1	
Botulism (adult and infant)	0	2	0	1	2	0	1	1	
Campylobacteriosis	53	821	30	657	606	572	438	374	Collin (6), Dallas (18), Denton (6), Denton (6), Ellis (1), Erath (1), Hunt (1), Johnson (6), Kaufman (2), Navarro (1), Palo Pinto (1), Parker (1), Rockwall (1), Tarrant (7), Wise (1)
Creutzfeldt-Jakob Disease (CJD)	0	2	0	9	1	6	2	10	
Cryptosporidiosis	20	248	7	97	128	98	126	164	Collin (2), Dallas (10), Denton (1), Tarrant (7)
Cyclosporiasis	0	106	0	118	183	13	9	8	
Diphtheria	0	0	0	0	0	0	0	0	
<i>Haemophilus influenzae</i> , invasive	0	2	0	3	0	2	1	2	
Hemolytic Uremic Syndrome (HUS)	2	7	0	3	4	8	5	4	Denton (1), Hood (1)
Hepatitis A, acute	4	48	1	27	27	62	55	64	Dallas (1), Denton (2), Ellis (1)
Hepatitis B, acute	5	41	2	22	24	38	42	130	Dallas (1), Denton (1), Parker (1), Tarrant (2)
Hepatitis B, perinatal	0	0	0	1	1	1	1	1	
Hepatitis C, acute	2	25	1	19	11	20	8	8	Collin (1), Dallas (1)
Hepatitis E, acute	0	1	0	5	4	4	7	7	
Influenza-associated pediatric mortality	0	4	0	5	2	5	5	2	Tarrant (1)
Legionellosis	8	119	5	105	68	59	52	69	Collin (1), Dallas (3), Tarrant (4)

Disease	December 2015	January – December 2015	5-Year Monthly Median †	Total Cases in Previous Years					Counties Reporting during December 2015 (Counts)
				2014	2013	2012	2011	2010	
Listeriosis	1	6	0	5	9	8	14	5	Collin (1)
Measles	0	1	0	4	25	0	3	0	
MDROs†	9	260	0	206	0	0	0	0	Collin (3), Dallas (3), Denton (1), Ellis (1), Tarrant (1)
Mumps	0	6	0	5	1	5	7	12	Grayson (1)
<i>Neisseria meningitidis</i> , invasive	0	4	1	5	13	13	10	13	Tarrant (1)
Pertussis	37	647	73	1,041	1,850	675	282	657	Collin (10), Cooke (1), Dallas (4), Denton (3), Ellis (1), Johnson (1), Kaufman (1), Parker (1), Tarrant (14), Wise (1)
Poliomyelitis, acute paralytic	0	0	0	0	0	0	0	0	
Rubella (including congenital)	0	2	0	0	0	0	0	0	
Salmonellosis	106	1,373	79	1,137	1,142	1,245	1,208	1,275	Collin (2), Dallas (28), Denton (11), Ellis (4), Erath (1), Fannin (1), Grayson (2), Hood (2), Johnson (7), Kaufman (1), Navarro (1), Palo Pinto (1), Parker (1), Rockwall (3), Tarrant (36), Wise (3)
Shiga toxin-producing <i>Escherichia coli</i> (STEC)	15	187	11	222	162	125	145	148	Collin (1), Dallas (6), Denton (2), Erath (1), Hood (1), Tarrant (3), Wise (1)
Shigellosis	119	844	59	739	667	376	676	630	Collin (9), Cooke (1), Dallas (34), Denton (11), Ellis (7), Grayson (3), Hunt (3), Johnson (2), Parker (2), Rockwall (2), Tarrant (45)
Smallpox	0	0	0	0	0	0	0	0	

Disease	December 2015	January - December 2015	5-Year Monthly Median †	Total Cases in Previous Years					Counties Reporting during December 2015 (Counts)
				2014	2013	2012	2011	2010	
<i>Streptococcus pneumoniae</i> , invasive	69	477	63	518	499	458	413	533	Collin (6), Dallas (24), Denton (7), Ellis (2), Erath (3), Hood (2), Johnson (3), Kaufman(1), Parker (1), Rockwall (1) Tarrant (17), Wise (2)
Streptococcus, Invasive Group A	12	186	10	202	118	104	152	111	Collin (1), Dallas (6), Denton (1), Kaufman(1), Parker (1), Somervell (1), Wise (1)
Streptococcus, Invasive Group B	35	507	25	421	281	292	288	261	Collin (4), Dallas (18), Denton (1), Ellis (2), Parker (1), Rockwall (1), Tarrant (8)
Tetanus	0	0	0	1	0	0	1	0	
Typhoid Fever	0	6	0	9	7	8	11	10	Dallas (1), Tarrant (1)
Varicella (Chickenpox)	30	367	38	499	513	614	710	783	Collin (2), Dallas (7), Ellis (1), Hunt (2), Kaufman (1), Rockwall (1), Tarrant (15), Wise(1)
Vibrio infection (including cholera)	1	12	0	16	10	16	9	16	Ellis (1)
Viral Hemorrhagic Fever (Ebola)	0	0	0	3	0	0	0	0	
VISA	4	6	0	1	2	7	1	4	Dallas (3), Tarrant (1)
VRSA	0	0	0	0	0	0	0	0	
Yersiniosis	0	5	1	6	12	5	4	5	
Total	537	6,369		6,158	6,437	4,895	4,739	5,425	

† 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

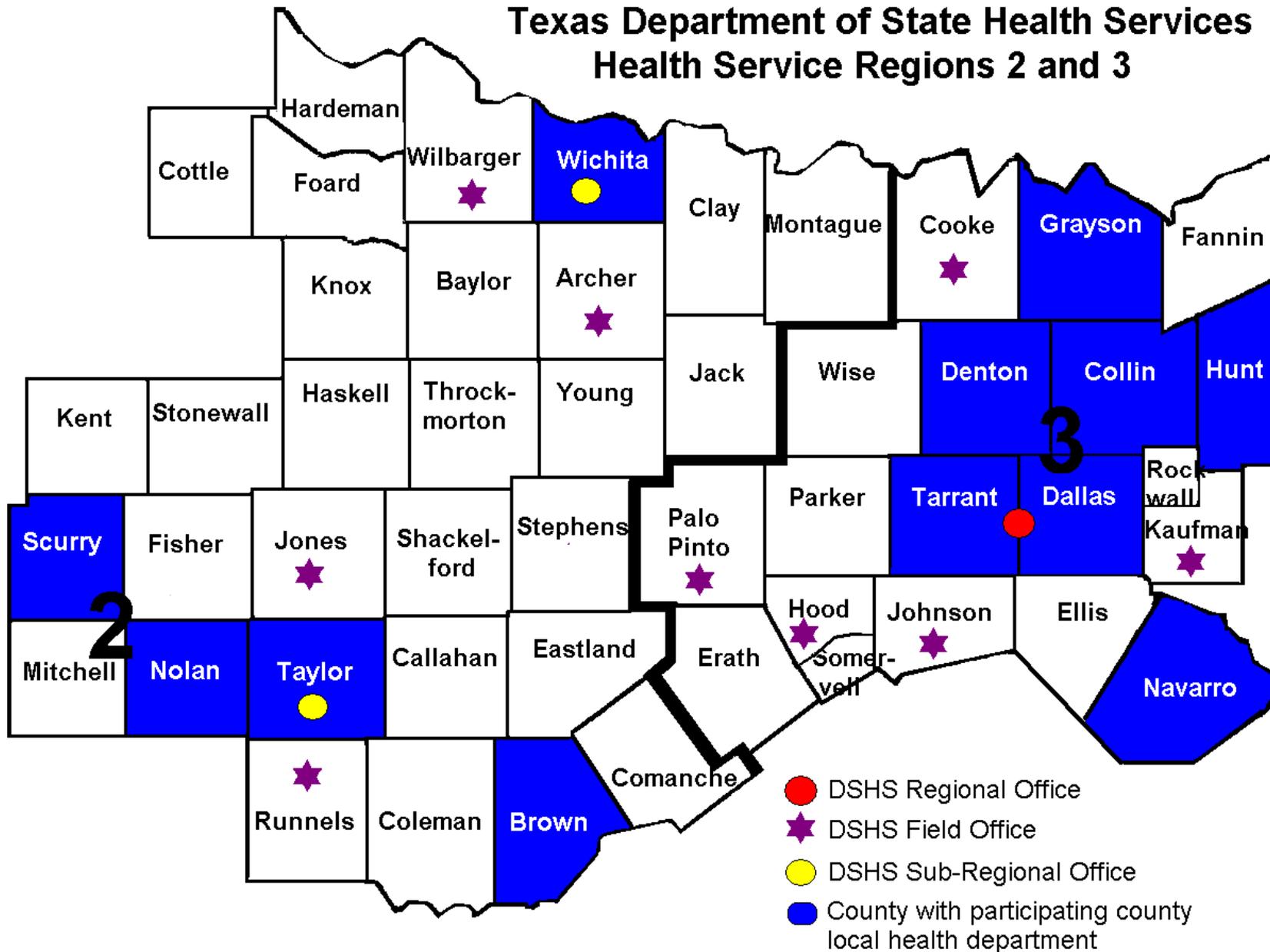
FIGURE II. Notifiable Diseases Exceeding Five-year Monthly Median for December 2015, Health Service Region 3



*Ratio of current monthly total to median of 15 month totals (from previous, comparable, and subsequent months for the past 5 years). Conditions with a 5-year monthly median of zero or a ratio of 1 are not displayed in the figure above.

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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