

Regional Surveillance Report: January 2016

SUMMARY

- **Health Service Region 2**

- There were a total of 55 cases reported in Health Service Region 2 for the month.
- Reported cases of campylobacteriosis, pertussis and Streptococcus Group B (invasive) were beyond historical limits for the five-year monthly median (highlighted in Table 1).

- **Health Service Region 3**

- There were a total of 440 cases in Health Service Region 3 for the month.
- Reported cases of shigellosis, Streptococcus Group A (invasive) and varicella (chickenpox) were beyond historical limits for the five-year monthly median (highlighted in Table 2).

- **Outbreak Investigations**

- A varicella (chickenpox) outbreak was investigated in Collin County associated with a university.
- Four norovirus outbreaks were investigated:
 - One suspected norovirus outbreak was investigated in Dallas County associated with a hotel.
 - One suspected norovirus outbreak was investigated in Denton County associated with a retirement community.
 - Two confirmed norovirus outbreaks were investigated in Tarrant County both associated with a retirement community.
- A shigellosis outbreak was investigated in Rockwall County associated with an elementary school.
- A respiratory outbreak of unknown etiology was investigated in Denton County associated with a high 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, January 2016

Disease	January 2016	January - December 2016	5-Year Monthly Median F	Total Cases in Previous Years					Counties Reporting during January 2016 (Counts)
				2015	2014	2013	2012	2011	
Amebiasis	0	0	0	0	0	0	1	0	
Amebic meningitis and encephalitis	0	0	0	0	0	0	0	0	
Ascariasis (roundworm)*	0	0	0						
Botulism (adult and infant)	0	0	0	0	0	0	0	0	
Campylobacteriosis	11	11	4	132	37	38	71	43	Clay (2), Mitchell (1), Wichita (5), Wilbarger (1), Young (2)
Creutzfeldt-Jakob Disease (CJD)/Prion Disease	0	0	0	0	0	0	0	1	
Cryptosporidiosis	0	0	1	23	8	4	9	10	
Cyclosporiasis	0	0	0	7	1	4	0	0	
Diphtheria	0	0	0	0	0	0	0	0	
Fascioliasis (liver fluke/flatworm)*	0	0	0	--	--	--	--	--	
<i>Haemophilus influenzae</i> , invasive	1	1	0	0	1	0	0	0	Taylor (1)
Hemolytic Uremic Syndrome (HUS)	0	0	0	1	1	0	1	1	
Hepatitis A, acute	0	0	0	3	2	3	5	4	
Hepatitis B, acute	0	0	1	5	4	4	7	9	
Hepatitis B, perinatal	0	0	0	0	0	0	0	0	
Hepatitis C, acute	0	0	0	12	11	4	0	2	
Hepatitis E, acute	0	0	0	1	0	0	0	0	
Hookworm (Ancylostomiasis)*	0	0	0	--	--	--	--	--	
Influenza-associated pediatric mortality	0	0	0	1	0	0	0	0	
Legionellosis	0	0	0	5	6	3	4	2	
Listeriosis	0	0	0	0	0	0	0	2	
Measles	0	0	0	0	3	0	0	0	
MDROs†	0	0	0	7	16	0	0	0	

Disease	January 2016	January - December 2016	5-Year Monthly Median F	Total Cases in Previous Years					Counties Reporting during January 2016 (Counts)
				2015	2014	2013	2012	2011	
Mumps	0	0	0	0	1	0	0	2	
<i>Neisseria meningitidis</i> , invasive	0	0	0	0	0	0	0	0	
Novel Coronavirus	0	0	0	0	0	0	0	0	
Paragonimiasis (Lung fluke/flatworm)*	0	0	0	--	--	--	--	--	
Pertussis	5	5	1	70	24	77	31	9	Coleman (1), Knox (1), Taylor (1), Wichita (1), Young (1)
Poliomyelitis, acute paralytic	0	0	0	0	0	0	0	0	
Rubella (including congenital)	0	0	0	0	0	0	0	0	
Salmonellosis	9	9	8	147	117	133	200	140	Callahan (1), Hardeman (1), Jones (2), Shackelford (1), Taylor (3), Wilbarger (1)
Shiga toxin-producing <i>Escherichia coli</i> (STEC)	1	1	2	18	26	15	13	20	Clay (1)
Shigellosis	9	9	6	76	20	41	187	63	Brown (1), Stephens (1), Wichita (6), Young (1)
Smallpox	0	0	0	0	0	0	0	0	
<i>Streptococcus pneumoniae</i> , invasive	5	5	3	48	22	14	24	18	Hardeman (1), Montague (1), Wichita (1), Young (2)
Streptococcus, Invasive Group A	4	4	1	25	7	5	7	9	Brown (1), Wichita (2), Young (1)
Streptococcus, Invasive Group B	6	6	2	28	24	19	11	20	Brown (1), Jones (1), Nolan (1), Runnels (1), Wichita (2)
Tetanus	0	0	0	0	0	0	0	0	
Trichuriasis (whipworm)*	0	0	0						
Typhoid Fever	0	0	0	0	1	0	0	0	
Varicella (Chickenpox)	4	4	5	38	33	48	84	112	Brown (1), Knox (1), Stephens (1), Taylor (1)
Vibrio infection (including cholera)	0	0	0	1	2	1	0	3	

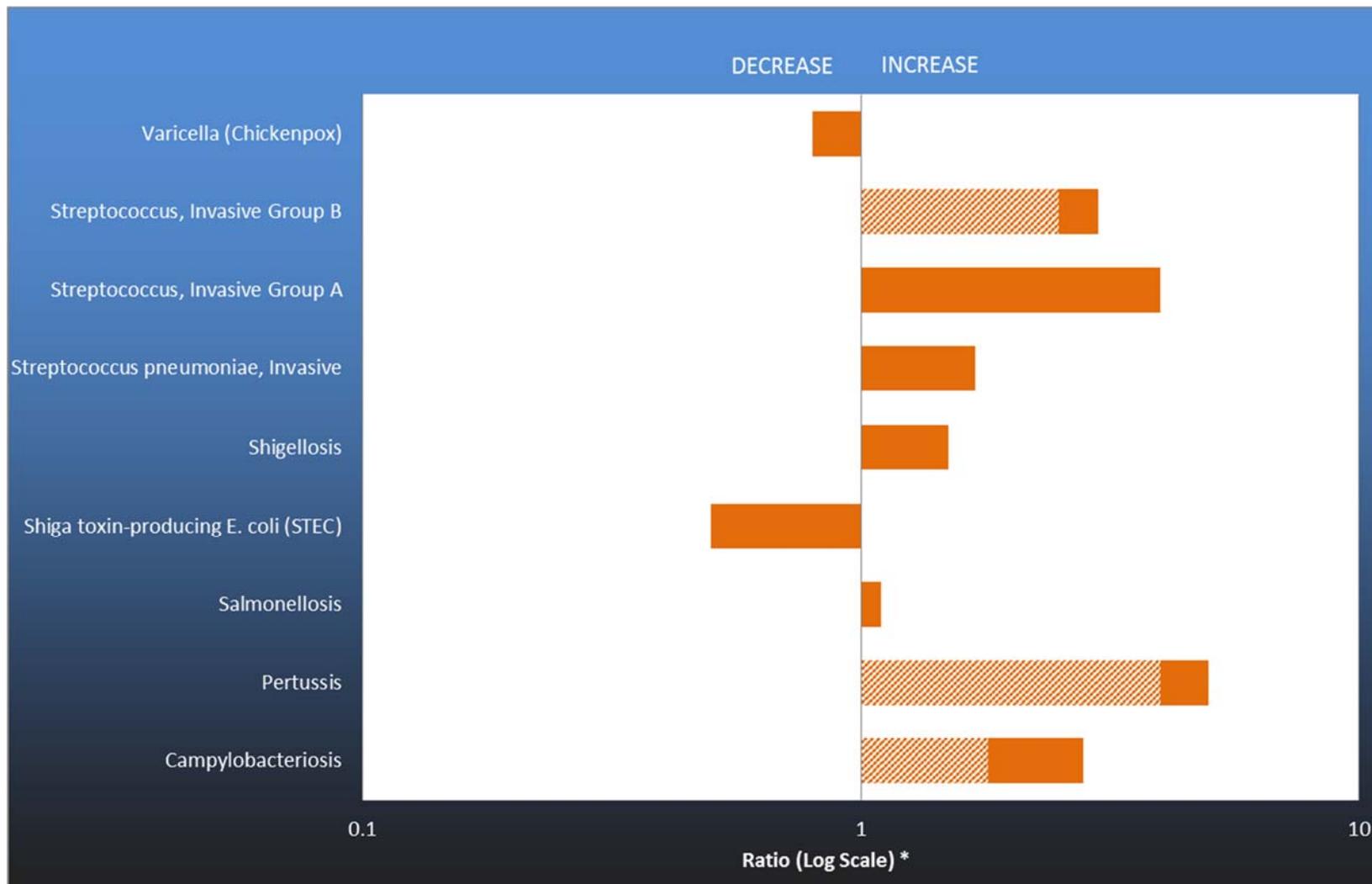
Disease	January 2016	January - December 2016	5-Year Monthly Median †	Total Cases in Previous Years					Counties Reporting during January 2016 (Counts)
				2015	2014	2013	2012	2011	
Viral Hemorrhagic Fever (including Ebola)	0	0	0	0	0	0	0	0	
Vancomycin Intermediate <i>S. aureus</i> (VISA)	0	0	0	0	1	1	1	0	
Vancomycin Resistant <i>S. aureus</i> (VRSA)	0	0	0	0	0	0	0	0	
Yersiniosis	0	0	0	1	1	0	0	0	
Total	55	55		649	369	414	656	470	

‡ 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 and includes resistant *Escherichia coli*, *Klebsiella spp.* and intermediate and resistant *Acinetobacter spp.*

* Reportable conditions as of 2016, no previous data available.

FIGURE I. Notifiable Diseases Exceeding Five-year Monthly Median for January 2016, 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, January 2016

Disease	January 2016	January – December 2016	5-Year Monthly Median †	Total Cases in Previous Years					Counties Reporting during January 2016 (Counts)
				2015	2014	2013	2012	2011	
Amebiasis	2	2	4	46	46	65	56	53	Dallas (1), Denton (1)
Amebic meningitis and encephalitis	0	0	0	0	0	0	0	0	
Ascariasis (roundworm) *	0	0	0	--	--	--	--	--	
Botulism (adult and infant)	0	0	0	2	1	2	0	1	
Campylobacteriosis	40	40	35	812	657	606	572	438	Collin (1), Dallas (17), Denton (5), Ellis (1), Erath (1), Grayson (1), Hunt (2), Parker (1), Somervell (1), Tarrant (10)
Creutzfeldt-Jakob Disease (CJD)/Prion Disease	0	0	0	1	9	1	6	2	
Cryptosporidiosis	7	7	7	247	97	128	98	126	Collin (1), Dallas (2), Tarrant (4)
Cyclosporiasis	0	0	0	105	118	183	13	9	
Diphtheria	0	0	0	0	0	0	0	0	
Fascioliasis (liver fluke/flatworm) *	0	0	0	--	--	--	--	--	
<i>Haemophilus influenzae</i> , invasive	5	5	0	2	3	0	2	1	Collin (1), Dallas (3), Denton (1)
Hemolytic Uremic Syndrome (HUS)	0	0	0	7	3	4	8	5	
Hepatitis A, acute	4	4	2	47	27	27	62	55	Collin (1), Denton (1), Hunt (2)
Hepatitis B, acute	2	2	2	41	22	24	38	42	Denton (2)
Hepatitis B, perinatal	0	0	0	0	1	1	1	1	
Hepatitis C, acute	0	0	1	23	19	11	20	8	
Hepatitis E, acute	0	0	0	1	5	4	4	7	
Hookworm (Ancylostomiasis) *	0	0	0	--	--	--	--	--	

Disease	January 2016	January – December 2016	5-Year Monthly Median †	Total Cases in Previous Years					Counties Reporting during January 2016 (Counts)
				2015	2014	2013	2012	2011	
Influenza-associated pediatric mortality	0	0	0	4	5	2	5	5	
Legionellosis	5	5	7	120	105	68	59	52	Collin (3), Dallas (2)
Listeriosis	0	0	0	6	5	9	8	14	
Measles	1	1	0	1	4	25	0	3	Collin (1)
MDROs†	11	11	0	253	206	0	0	0	Collin (2), Dallas (1), Denton (1), Hunt (1), Kaufman (1), Navarro (1), Tarrant (4)
Mumps	0	0	0	6	5	1	5	7	
<i>Neisseria meningitidis</i> , invasive	1	1	1	4	5	13	13	10	Dallas (1)
Novel Coronavirus	0	0	0	0	0	0	0	0	
Paragonimiasis (Lung fluke/flatworm)*	0	0	0	--	--	--	--	--	
Pertussis	47	47	60	619	1,041	1,850	675	282	Collin (10), Dallas (4), Denton (1), Erath (1), Hunt (1), Johnson (1), Navarro (1), Parker (4), Rockwall (1), Tarrant (22), Wise (1)
Poliomyelitis, acute paralytic	0	0	0	0	0	0	0	0	
Rubella (including congenital)	0	0	0	2	0	0	0	0	
Salmonellosis	71	71	65	1,380	1,137	1,142	1,245	1,208	Collin (11), Dallas (12), Denton (9), Ellis (3), Hunt (1), Johnson (3), Kaufman (3), Navarro (3), Palo Pinto (1), Parker (2), Tarrant (19), Wise (4)
Shiga toxin-producing <i>Escherichia coli</i> (STEC)	12	12	11	186	222	162	125	145	Collin (1), Dallas (5), Denton (1), Johnson (1), Parker (1), Tarrant (3)

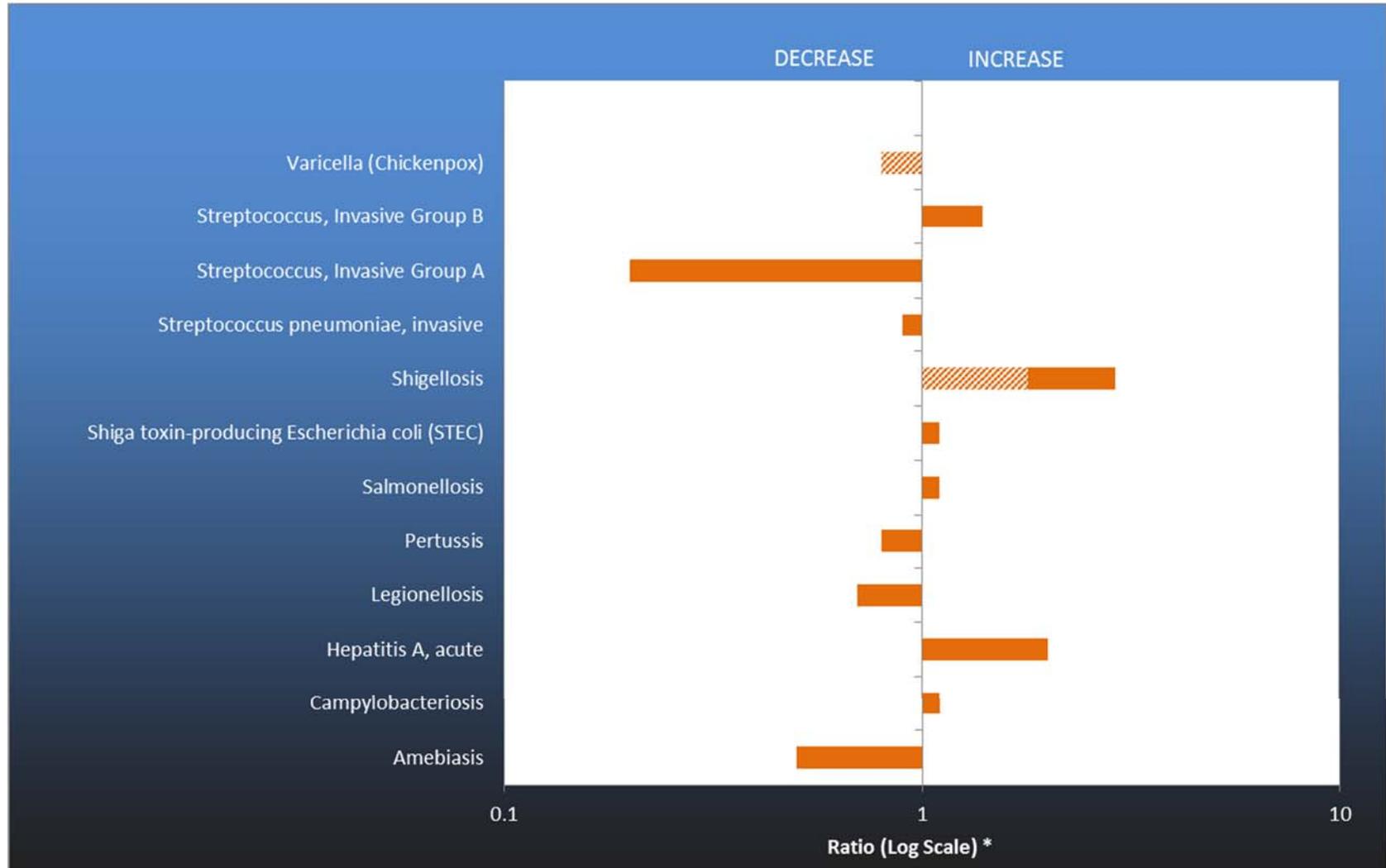
Disease	January 2016	January - December 2016	5-Year Monthly Median †	Total Cases in Previous Years					Counties Reporting during January 2016 (Counts)
				2015	2014	2013	2012	2011	
Shigellosis	94	94	32	865	739	667	376	676	Collin (6), Dallas (27), Denton (12), Ellis (6), Grayson (1), Hunt (1), Johnson (2), Rockwall (6), Tarrant (32), Wise (1)
Smallpox	0	0	0	0	0	0	0	0	
<i>Streptococcus pneumoniae</i> , invasive	63	63	69	471	518	499	458	413	Collin (9), Dallas (23), Denton (6), Ellis (1), Erath (1), Hunt (2), Johnson (2), Kaufman (2), Tarrant (16), Wise (1)
Streptococcus, Invasive Group A	3	3	14	178	202	118	104	152	Dallas (2), Denton (1)
Streptococcus, Invasive Group B	38	38	27	507	421	281	292	288	Collin (2), Dallas (20), Denton (2), Ellis (1), Kaufman (1), Parker (1), Rockwall (2), Tarrant (9)
Tetanus	0	0	0	0	1	0	0	1	
Trichuriasis (whipworm) *	0	0	0						
Typhoid Fever	1	1	0	7	9	7	8	11	Collin (1)
Varicella (Chickenpox)	31	31	38	366	499	513	614	710	Collin (3), Dallas (5), Denton (5), Johnson (2), Kaufman (2), Tarrant (14)
Vibrio infection (including cholera)	2	2	0	13	16	10	16	9	Dallas (1), Tarrant (1)
Viral Hemorrhagic Fever (Ebola)	0	0	0	0	3	0	0	0	
Vancomycin Intermediate <i>S. aureus</i> (VISA)	0	0	0	6	1	2	7	1	
Vancomycin Resistant <i>S. aureus</i> (VRSA)	0	0	0	0	0	0	0	0	
Yersiniosis	0	0	1	4	6	12	5	4	
Total	440	440		6,332	6,158	6,437	4,895	4,739	

‡ 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.

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* Reportable conditions as of 2016, no previous data available.

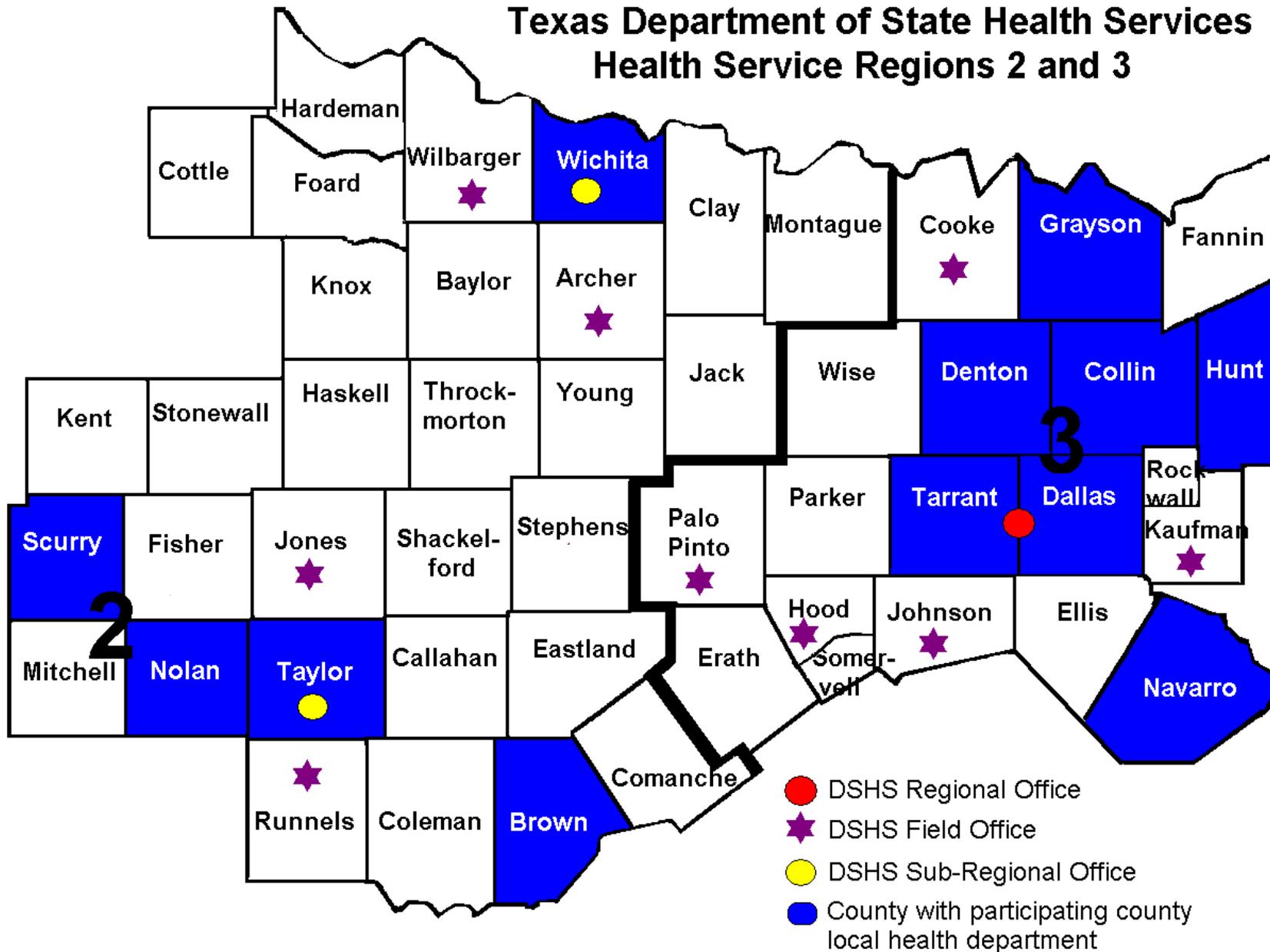
FIGURE II. Notifiable Diseases Exceeding Five-year Monthly Median for January 2016, Health Service Region 3



*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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