

Regional Surveillance Report: September 2015

SUMMARY

- **Health Service Region 2**

- There were a total of 73 cases reported in Health Service Region 2 for the month.
- Reported cases of Campylobacteriosis, Cryptosporidiosis, Pertussis, Salmonellosis, Shigellosis and Varicella were beyond historical limits for the five-year monthly median (highlighted in Table 1).

- **Health Service Region 3**

- There were a total of 584 cases in Health Service Region 3 for the month.
- Reported cases of Amebiasis, Botulism, Campylobacter, Cryptosporidiosis, Cyclosporiasis, *Haemophilus influenza* (invasive), Hepatitis A, Hepatitis B (acute), Hepatitis C (acute), Mumps, Pertussis, Salmonellosis, Shiga-toxin producing *E. coli* (STEC), Shigellosis, *Streptococcus pneumoniae* (invasive), Streptococcus Group A (invasive), Streptococcus Group B (invasive), Typhoid Fever and Varicella were beyond historical limits for the five-year monthly median (highlighted in Table 2).

- **Outbreak Investigations**

- A Pertussis outbreak was investigated in Tarrant County associated with a school.
- An outbreak of Cryptosporidiosis was investigated in Tarrant County associated with a water park.
- Two Salmonella outbreaks were investigated in Ellis County associated with a childcare facility and a restaurant.
- Two Shigellosis outbreaks were investigated:
 - One outbreak in Ellis County was associated with a childcare center.
 - One outbreak in Tarrant County was 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.

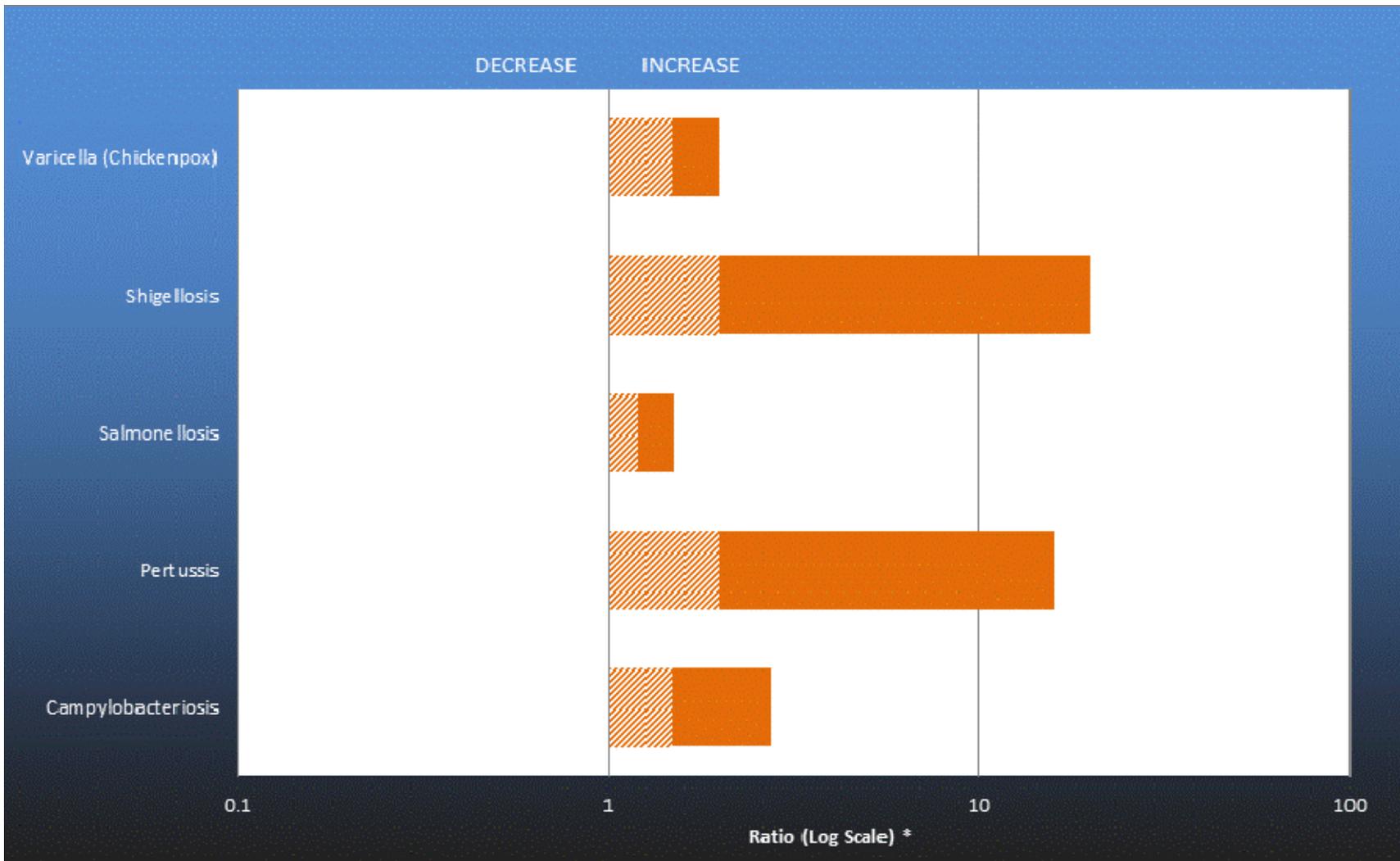
Table 1: Reported Disease Case Counts in Health Service Region 2, September 2015

Disease	September 2015	January - September 2015	5-Year Monthly Median F	Total Cases in Previous Years					Counties Reporting during September 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	11	88	4	37	38	71	43	39	Callahan (1), Clay (1), Comanche (1), Nolan (1), Stonewall (1), Wichita (5), Young (1)
Creutzfeldt-Jakob Disease (CJD)	0	0	0	0	0	0	1	0	
Cryptosporidiosis	1	17	0	8	4	9	10	1	Brown (1)
Cyclosporiasis	0	6	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	
Hepatitis A, acute	0	3	0	2	3	5	4	4	
Hepatitis B, acute	0	4	0	4	4	7	9	13	
Hepatitis B, perinatal	0	0	0	0	0	0	0	0	
Hepatitis C, acute	0	9	0	11	4	0	2	5	
Hepatitis E, acute	0	0	0	0	0	0	0	0	
Influenza-associated pediatric mortality	0	1	0	0	0	0	0	1	
Legionellosis	0	3	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	6	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	
Pertussis	16	49	1	24	77	31	9	15	Archer (2), Haskell (1), Jack (2), Knox (1), Scurry (1), Taylor (1), Wichita (7), Young (1)

Disease	September 2015	January - September 2015	5-Year Monthly Median †	Total Cases in Previous Years					Counties Reporting during September 2015 (Counts)
				2014	2013	2012	2011	2010	
Poliomyelitis, acute paralytic	0	0	0	0	0	0	0	0	
Rubella (including congenital)	0	0	0	0	0	0	0	0	
Salmonellosis	21	97	14	117	133	200	140	127	Baylor(1), Brown (2), Callahan (1), Comanche (2), Jack (1), Knox (1), Montague (4), Nolan (1), Runnels (1), Shackelford (1), Wichita (3), Wilbarger (1), Young (2)
Shiga toxin-producing <i>Escherichia coli</i> (STEC)	0	15	2	26	15	13	20	9	
Shigellosis	20	46	1	20	41	187	63	30	Archer (1), Baylor (2), Brown (3), Callahan (5), Coleman (1), Jones (1), Montague (1), Taylor (1), Wichita (2), Young (3)
Smallpox	0	0	0	0	0	0	0	0	
<i>Streptococcus pneumoniae</i> , invasive	0	32	1	22	14	24	18	10	
Streptococcus, Invasive Group A	0	17	0	7	5	7	9	9	
Streptococcus, Invasive Group B	0	24	1	24	19	11	20	12	
Tetanus	0	0	0	0	0	0	0	0	
Typhoid Fever	0	0	0	1	0	0	0	0	
Varicella (Chickenpox)	4	29	2	33	48	84	112	34	Comanche (1), Hardeman (1), Knox (1), Wilbarger (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	73	451		368	414	655	469	330	

† 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 September 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, September 2015

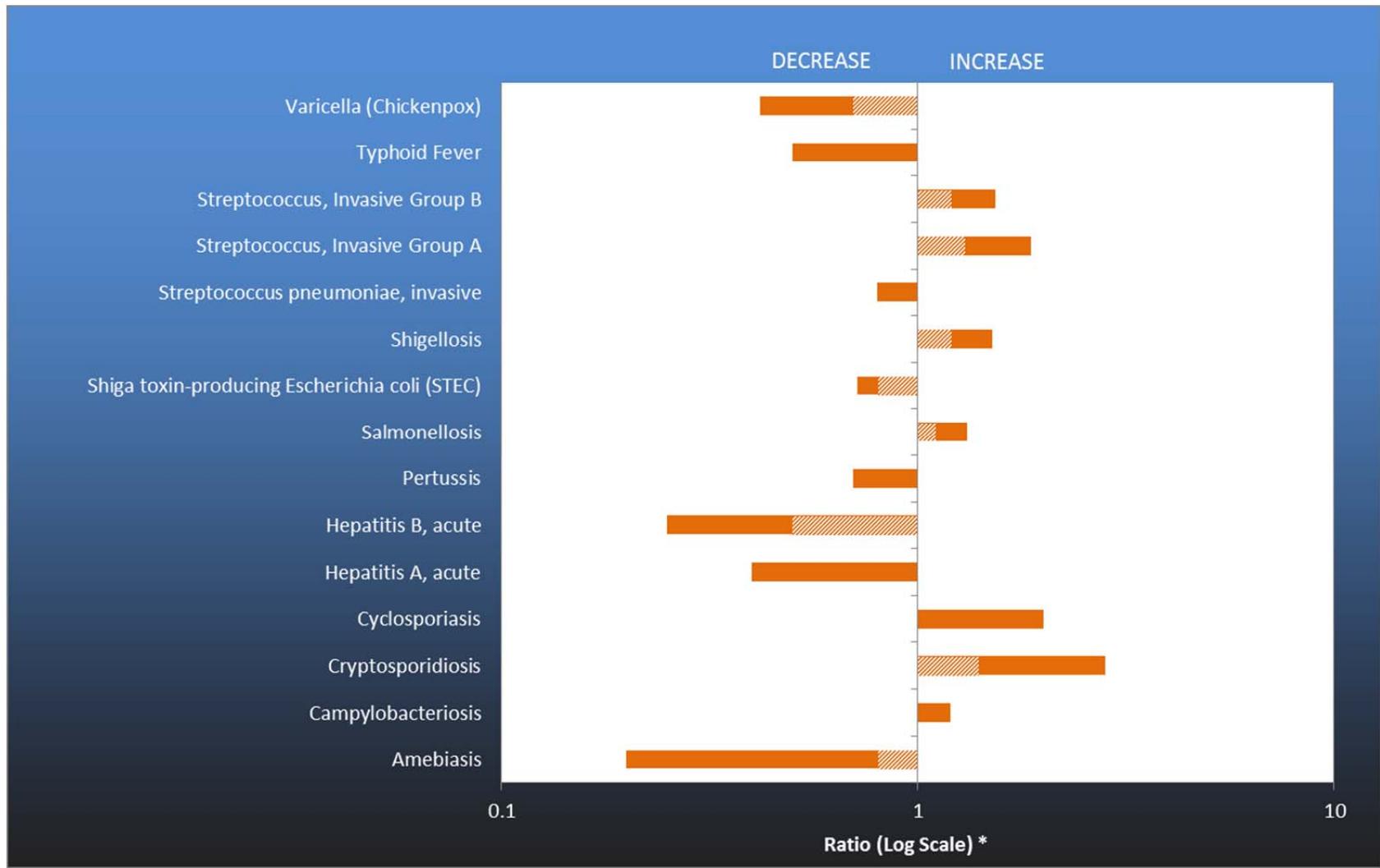
Disease	September 2015	January – September 2015	5-Year Monthly Median †	Total Cases in Previous Years					Counties Reporting during September 2015 (Counts)
				2014	2013	2012	2011	2010	
Amebiasis	1	31	5	46	65	56	53	117	Denton (1)
Amebic meningitis and encephalitis	0	0	0	0	0	0	0	1	
Botulism (adult and infant)	2	2	0	1	2	0	1	1	Kaufman (1), Tarrant (1)
Campylobacteriosis	50	645	42	657	606	572	438	374	Collin (12), Dallas (12), Denton (7), Ellis (1), Hood (1), Hunt (1), Johnson (5), Kaufman (1), Navarro (1), Parker (1), Tarrant (7), Wise (1)
Creutzfeldt-Jakob Disease (CJD)	0	1	0	9	1	6	2	10	
Cryptosporidiosis	48	172	17	97	128	98	126	164	Collin (4), Dallas (15), Denton (4), Ellis (1), Hunt (1), Johnson (2), Kaufman (2), Navarro (1), Palo Pinto (1), Parker (2), Tarrant (15)
Cyclosporiasis	2	106	1	118	183	13	9	8	Dallas (1), Tarrant (1)
Diphtheria	0	0	0	0	0	0	0	0	
Haemophilus influenzae, invasive	1	2	0	3	0	2	1	2	Denton (1)
Hepatitis A, acute	2	30	5	27	27	62	55	64	Denton (1), Tarrant (1)
Hepatitis B, acute	1	23	4	22	24	38	42	130	Dallas (1)
Hepatitis B, perinatal	0	0	0	1	1	1	1	1	
Hepatitis C, acute	1	16	0	19	11	20	8	8	Collin (1)
Hepatitis E, acute	0	0	0	5	4	4	7	7	
Influenza-associated pediatric mortality	0	3	0	5	2	5	5	2	
Legionellosis	8	93	8	105	68	59	52	69	Dallas (3), Denton (1), Tarrant (4)
Listeriosis	0	5	1	5	9	8	14	5	
Measles	0	1	0	4	25	0	3	0	

Disease	September 2015	January – September 2015	5-Year Monthly Median †	Total Cases in Previous Years					Counties Reporting during September 2015 (Counts)
				2014	2013	2012	2011	2010	
MDROs†	20	213	0	206	0	0	0	0	Dallas (8), Denton (2), Hood (1), Hunt (2), Johnson (2), Kaufman (1), Somervell (1), Tarrant (3)
Mumps	1	4	0	5	1	5	7	12	Denton (1)
<i>Neisseria meningitidis</i> , invasive	0	2	0	5	13	13	10	13	
Pertussis	54	512	74	1,041	1,850	675	282	657	Collin (9), Dallas (4), Denton (5), Erath (2), Navarro (1), Parker (1), Somervell (1), Tarrant (31)
Poliomyelitis, acute paralytic	0	0	0	0	0	0	0	0	
Rubella (including congenital)	0	2	0	0	0	0	0	0	
Salmonellosis	191	899	145	1,137	1,142	1,245	1,208	1,275	Collin (13), Cooke (1), Dallas (32), Denton (31), Ellis (11), Erath (2), Fannin (1), Grayson (1), Hood (3), Hunt (4), Johnson (10), Kaufman (6), Navarro (3), Palo Pinto (3), Parker (15), Rockwall (2), Somervell (2), Tarrant (47), Wise (4)
Shiga toxin-producing <i>Escherichia coli</i> (STEC)	10	134	14	222	162	125	145	148	Dallas (3), Denton (3), Grayson (1), Rockwall (1), Tarrant (1), Wise (1)
Shigellosis	95	492	63	739	667	376	676	630	Collin (11), Dallas (28), Denton (8), Ellis (10), Fannin (3), Grayson (1), Hunt (1), Johnson (7), Kaufman (1), Navarro (1), Palo Pinto (1), Parker (1), Tarrant (21), Wise (1)
Smallpox	0	0	0	0	0	0	0	0	
<i>Streptococcus pneumoniae</i> , invasive	15	336	20	518	499	458	413	533	Collin (1), Dallas (8), Denton (2), Ellis (1), Palo Pinto (1), Tarrant (1), Wise (1)
Streptococcus, Invasive Group A	15	154	8	202	118	104	152	111	Collin (2), Dallas (9), Denton (2), Rockwall (1), Tarrant (1)

Disease	September 2015	January - September 2015	5-Year Monthly Median †	Total Cases in Previous Years					Counties Reporting during September 2015 (Counts)
				2014	2013	2012	2011	2010	
Streptococcus, Invasive Group B	46	380	30	421	281	292	288	261	Collin (3), Dallas (32), Denton (1), Ellis (2), Rockwall (1), Tarrant (6), Wise (1)
Tetanus	0	0	0	1	0	0	1	0	
Typhoid Fever	1	6	2	9	7	8	11	10	Dallas (1)
Varicella (Chickenpox)	18	271	43	499	513	614	710	783	Dallas (7), Denton (3), Ellis (1), Johnson (2), Rockwall (1), Tarrant (4)
Vibrio infection (including cholera)	2	10	2	16	10	16	9	16	Tarrant (1), Collin (1)
Viral Hemorrhagic Fever (Ebola)	0	0	0	3	0	0	0	0	
VISA	0	2	0	1	2	7	1	4	
VRSA	0	0	0	0	0	0	0	0	
Yersiniosis	0	4	0	6	12	5	4	5	
Total	584	4,551		6,155	6,433	4,887	4,734	5,421	

† 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

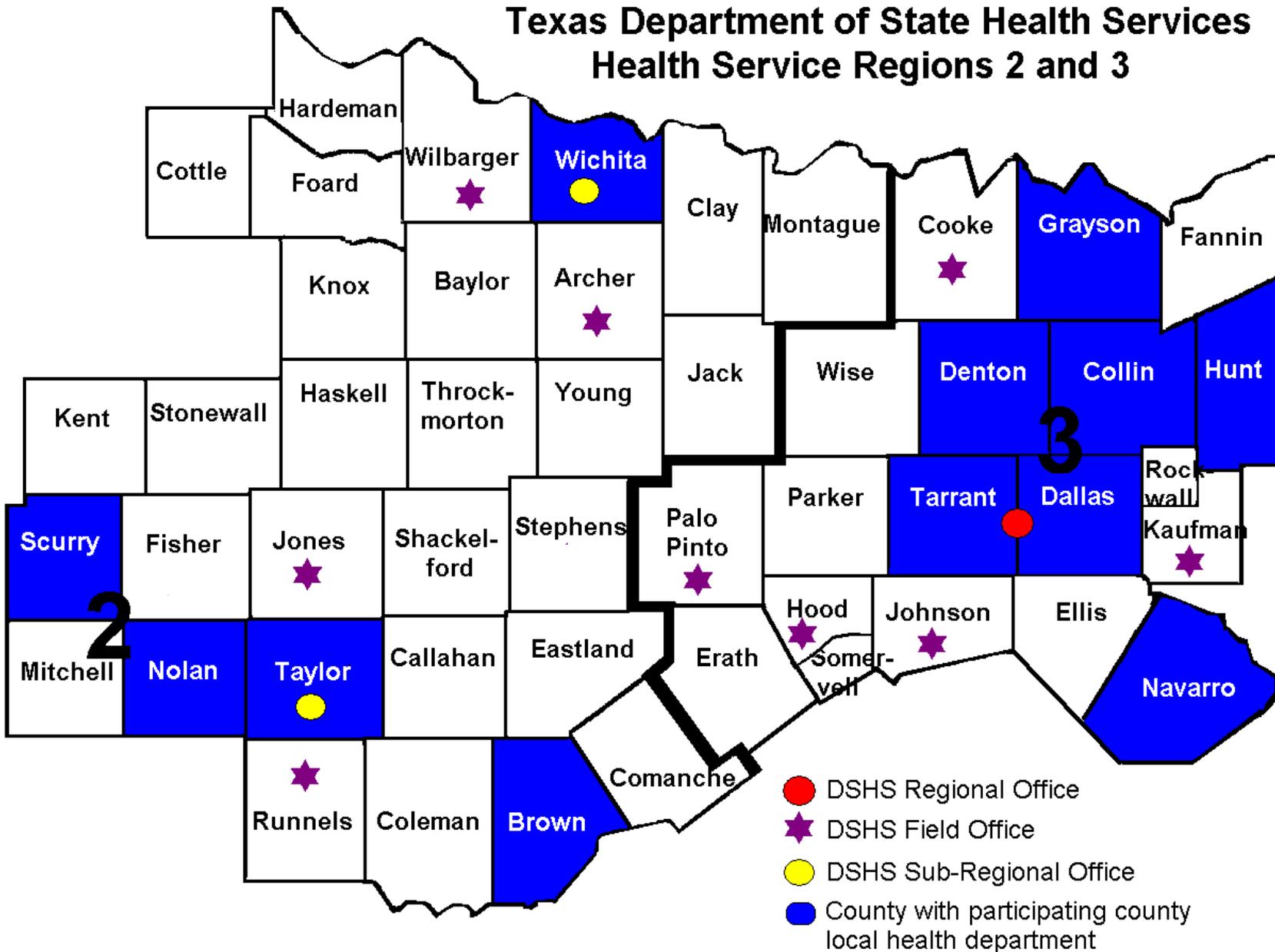
FIGURE II. Notifiable Diseases Exceeding Five-year Monthly Median for September 2015, Health Service Region 3



*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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