

# Regional Surveillance Report: March 2015

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## SUMMARY

- **Health Service Region 2**

- There were a total of 35 cases reported in Health Service Region 2 for the month.
- Reported cases of Campylobacteriosis, Salmonellosis, Shiga toxin-producing *Escherichia coli* (STEC), *Streptococcus pneumoniae* invasive, Streptococcus Group A invasive, and Varicella (Chickenpox) were beyond historical limits for the five-year monthly median.

- **Health Service Region 3**

- There were a total of 371 cases in Health Service Region 3 for the month.
- Reported cases of Varicella (Chickenpox) were beyond historical limits for the five-year monthly median.

- **Outbreak Investigations**

- A Varicella outbreak was reported and investigated by DSHS in a Kaufman County private school.
- A gastrointestinal illness outbreak was reported and investigated by DSHS in a Rockwall County long-term care facility.
- Four separate gastrointestinal illness outbreaks were reported and investigated by Collin County in a four long-term care facilities.

***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.*

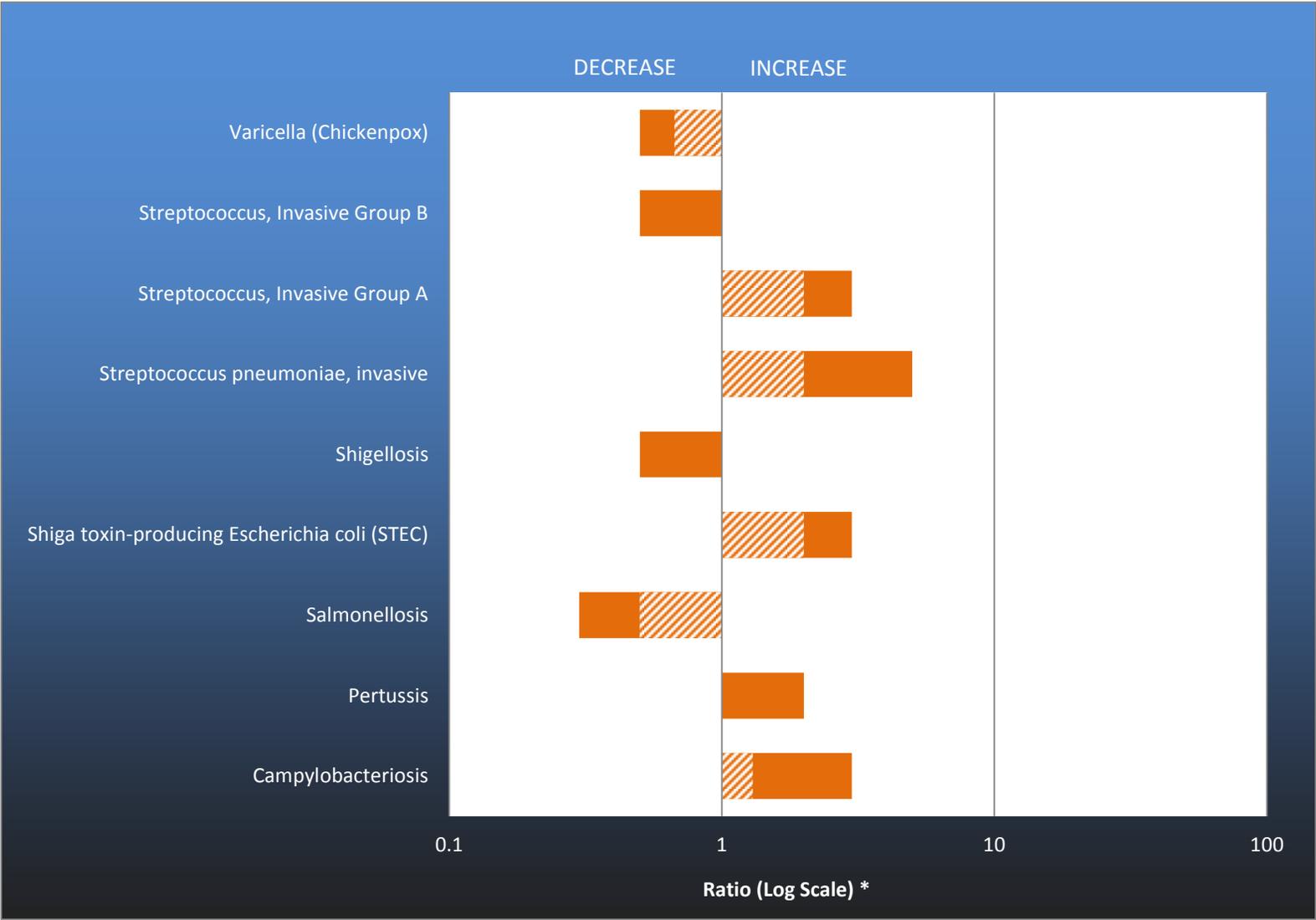
**Table 1: Reported Disease Case Counts in Health Service Region 2, March 2015**

Disease	March 2015	January - December 2015	5-Year Monthly Median F	Total Cases in Previous Years					Counties Reporting during March 2015 (Counts)
				2010	2011	2012	2013	2014	
Amebiasis	0	0	0	9	0	1	0	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	9	17	3	39	43	71	38	38	Jack (1), Scurry (1), Taylor (1), Wichita (5), Wilbarger (1)
Creutzfeldt-Jakob Disease (CJD)	0	0	0	0	1	0	0	0	
Cryptosporidiosis	0	1	0	1	10	9	4	8	
Cyclosporiasis	0	0	0	1	0	0	4	1	
Diphtheria	0	0	0	0	0	0	0	0	
<i>Haemophilus influenzae</i> , invasive	0	0	0	0	0	0	0	1	
Hepatitis A, acute	0	0	0	4	4	5	3	2	
Hepatitis B, acute	0	1	1	13	9	7	4	4	
Hepatitis B, perinatal	0	0	0	0	0	0	0	0	
Hepatitis C, acute	2	6	0	5	2	0	4	11	Taylor (1), Wichita (1)
Hepatitis E, acute	0	0	0	0	0	0	0	0	
Influenza-associated pediatric mortality	0	0	0	1	0	0	0	0	
Legionellosis	2	2	0	3	2	4	3	5	Jones (1), Montague (1)
Listeriosis	0	0	0	0	2	0	0	0	
Measles	0	1	0	0	0	0	0	3	
MDROs	1	3	0	0	0	0	0	13	Taylor (1)
Mumps	0	0	0	2	2	0	0	1	
<i>Neisseria meningitidis</i> , invasive	0	0	0	4	0	0	0	0	
Pertussis	2	6	1	15	9	31	77	23	Comanche (1), Stephens (1)

Disease	March 2015	January - December 2015	5-Year Monthly Median †	Total Cases in Previous Years					Counties Reporting during March 2015 (Counts)
				2010	2011	2012	2013	2014	
Poliomyelitis, acute paralytic	0	0	0	0	0	0	0	0	
Rubella (including congenital)	0	0	0	0	0	0	0	0	
Salmonellosis	1	12	4	127	140	200	133	116	Nolan (1)
Shiga toxin-producing <i>Escherichia coli</i> (STEC)	3	6	1	9	20	13	15	25	Archer (1), Jack (1), Wichita (1)
Shigellosis	1	8	2	21	63	187	41	18	Mitchell (1)
Smallpox	0	0	0	0	0	0	0	0	
<i>Streptococcus pneumoniae</i> , invasive	5	23	1	10	18	24	14	22	Clay (1), Coleman (1), Comanche (1), Taylor (1), Young (1)
Streptococcus, Invasive Group A	3	11	1	9	9	7	5	7	Taylor (2), Wichita (1)
Streptococcus, Invasive Group B	1	9	2	12	20	11	19	24	Taylor (1)
Tetanus	0	0	0	0	0	0	0	0	
Typhoid Fever	0	0	0	0	0	0	0	1	
Varicella (Chickenpox)	3	7	6	34	112	84	48	33	Taylor (3)
Vibrio infection (including cholera)	0	0	0	1	3	0	1	2	
Viral Hemorrhagic Fever	0	0		0	0	0	0	0	
VISA	1	1	0	0	0	1	1	1	Taylor (1)
VRSA	0	0	0	0	0	0	0	0	
Yersiniosis	1	2	0	1	0	0	0	0	Taylor (1)
<b>Total</b>	<b>35</b>	<b>116</b>		<b>321</b>	<b>469</b>	<b>655</b>	<b>414</b>	<b>359</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 March 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).

Current Ratio
  Historical Limits

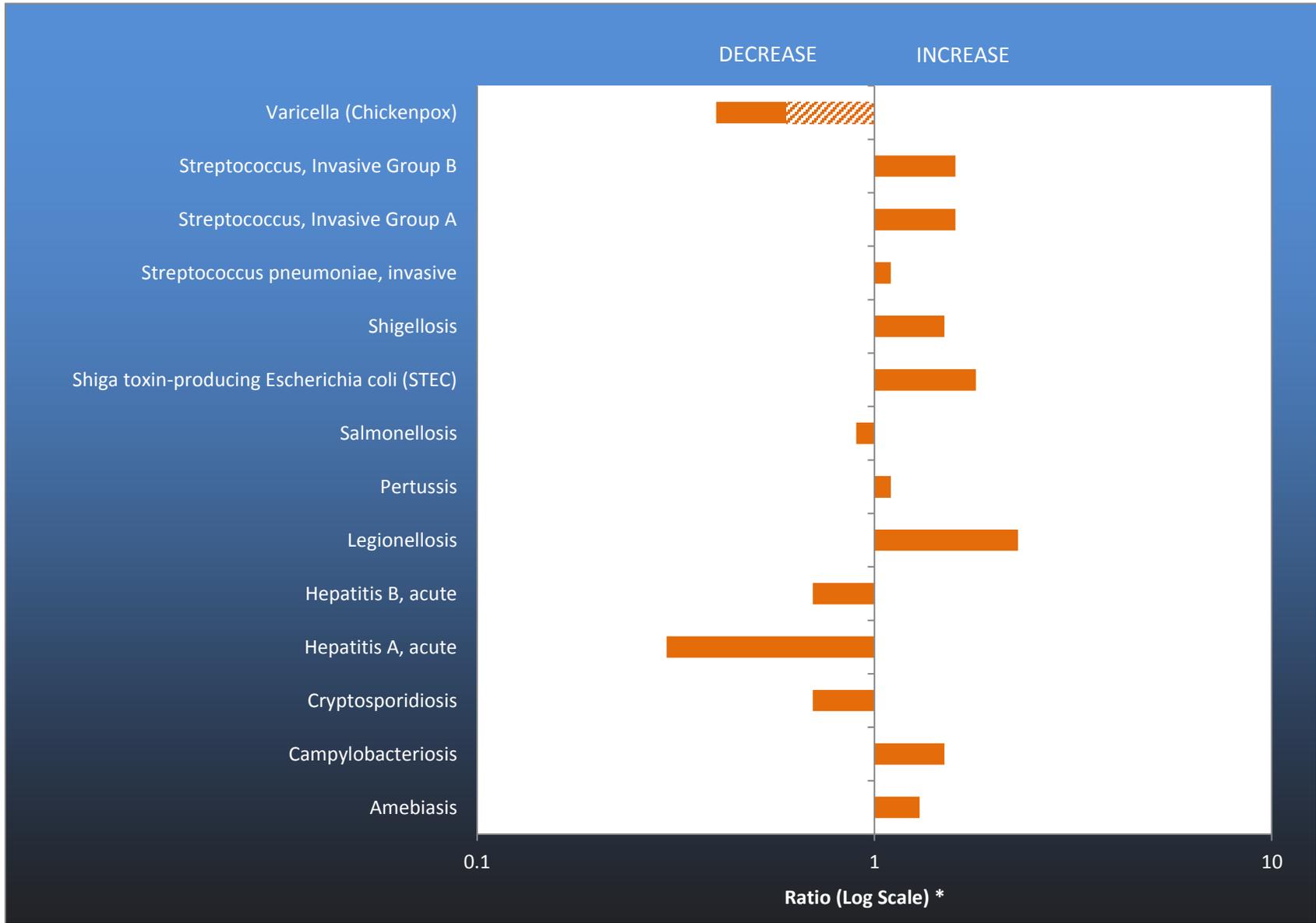
**Table 2: Reported Disease Case Counts in Health Service Region 3, March 2015**

Disease	March 2015	January – December 2015	5-Year Monthly Median †	Total Cases in Previous Years					Counties Reporting during March 2015 (Counts)
				2010	2011	2012	2013	2013	
Amebiasis	8	14	6	117	53	56	65	44	Dallas (4), Denton (1), Ellis (1), Tarrant (2)
Amebic meningitis and encephalitis	0	0	0	1	0	0	0	0	
Botulism (adult and infant)	0	0	0	1	1	0	2	1	
Campylobacteriosis	44	143	30	374	438	572	606	656	Collin (1), Cooke (1), Dallas (11), Denton (7), Hunt (1), Johnson (4), Kaufman (5), Navarro (1), Palo Pinto (1), Tarrant (12)
Creutzfeldt-Jakob Disease (CJD)	0	2	0	10	2	6	1	1	
Cryptosporidiosis	4	15	6	164	126	98	128	96	Dallas (4)
Cyclosporiasis	0	0	0	8	9	13	183	116	
Diphtheria	0	0	0	0	0	0	0	0	
<i>Haemophilus influenzae</i> , invasive	0	1	0	2	1	2	0	3	
Hepatitis A, acute	1	7	4	64	55	62	27	27	Collin (1)
Hepatitis B, acute	2	9	3	130	42	38	24	22	Dallas (1), Tarrant (1)
Hepatitis B, perinatal	0	0	0	1	1	1	1	1	
Hepatitis C, acute	1	6	1	8	8	20	11	20	Ellis (1)
Hepatitis E, acute	0	0	0	7	7	4	4	5	
Influenza-associated pediatric mortality	1	3	1	2	5	5	2	6	Rockwall (1)
Legionellosis	7	24	3	69	52	59	68	101	Collin (2), Dallas (3), Denton (1), Tarrant (1)
Listeriosis	0	1	0	5	14	8	9	4	
Measles	0	1	0	0	3	0	25	4	
MDROs†	30	70	0	0	0	0	0	187	Collin (5), Dallas (16), Ellis (1), Hunt (1), Johnson (2), Parker (1), Tarrant (4)
Mumps	0	1	1	12	7	5	1	5	
<i>Neisseria meningitidis</i> , invasive	0	2	1	13	10	13	13	5	

Disease	March 2015	January - December 2015	5-Year Monthly Median †	Total Cases in Previous Years					Counties Reporting during March 2015 (Counts)
				2010	2011	2012	2013	2014	
Pertussis	43	150	40	657	282	675	1,850	1,031	Collin (6), Dallas (4), Denton (1), Kaufman (1), Parker (4), Rockwall (3), Tarrant (24)
Poliomyelitis, acute paralytic	0	0	0	0	0	0	0	0	
Rubella (including congenital)	0	0	0	0	0	0	0	0	
Salmonellosis	47	180	51	1,275	1,208	1,245	1,142	1,127	Collin (6), Dallas (4), Denton (5), Ellis (4), Erath (1), Grayson (1), Hood (1), Hunt (1), Johnson (3), Palo Pinto (1), Tarrant (20)
Shiga toxin-producing <i>Escherichia coli</i> (STEC)	16	31	9	148	145	125	162	218	Dallas (5), Denton (5), Ellis (1), Parker (1), Tarrant (4)
Shigellosis	34	100	22	630	676	376	667	738	Collin (1), Dallas (11), Denton (2), Johnson (3), Kaufman (1), Navarro (1), Rockwall (1), Tarrant (14)
Smallpox	0	0	0	0	0	0	0	0	
<i>Streptococcus pneumoniae</i> , invasive	49	196	45	301	413	458	499	517	Collin (4), Cooke (1), Dallas (21), Denton (2), Ellis (1), Fannin (1), Johnson (2), Navarro (1), Palo Pinto (1), Parker (1), Rockwall (3), Tarrant (11)
Streptococcus, Invasive Group A	19	62	12	111	152	104	118	201	Collin (2), Dallas (6), Ellis (1), Johnson (1), Tarrant (9)
Streptococcus, Invasive Group B	39	110	24	261	288	292	281	422	Collin (2), Dallas (19), Denton (2), Erath (1), Navarro (1), Palo Pinto (1), Tarrant (13)
Tetanus	0	0	0	0	1	0	0	1	
Typhoid Fever	0	0	0	10	11	8	7	9	
Varicella (Chickenpox)	24	98	64	783	710	614	513	498	Collin (4), Dallas (10), Denton (5), Erath (1), Rockwall (1), Tarrant (3)
Vibrio infection (including cholera)	1	1	0	16	9	16	10	16	Denton (1)
Viral Hemorrhagic Fever (Ebola)	0	0	0	0	0	0	0	3	
VISA	1	1	0	4	1	7	2	1	Ellis (1)
VRSA	0	0	0	0	0	0	0	0	
Yersiniosis	0	1	0	5	4	5	12	6	
<b>Total</b>	<b>371</b>	<b>1,229</b>		<b>5,189</b>	<b>4,734</b>	<b>4,887</b>	<b>6,433</b>	<b>6,092</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. †MROs=Multi Drug Resistant Organisms

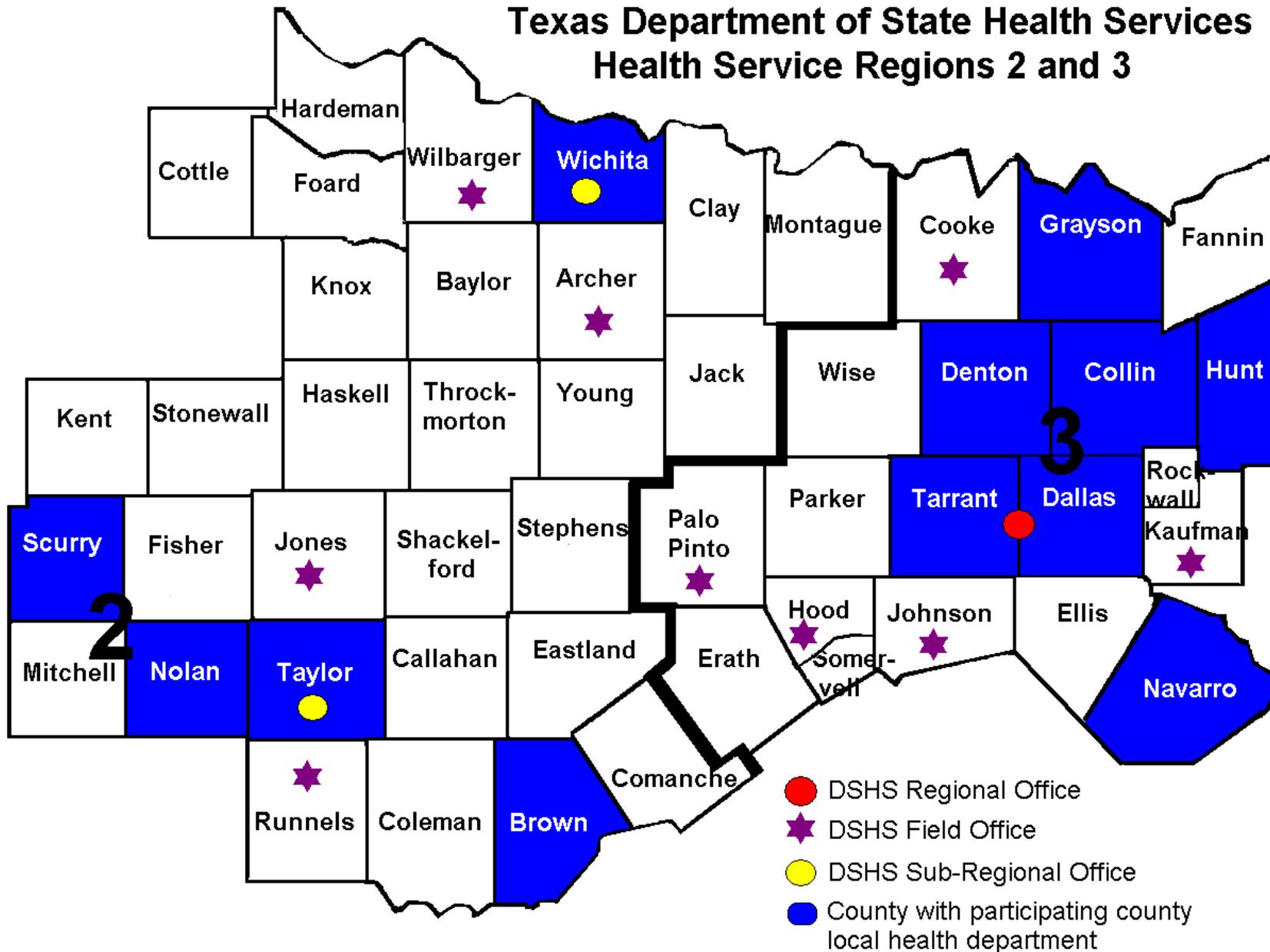
**FIGURE II. Notifiable Diseases Exceeding Five-year Monthly Median for March 2015, Health Service Region 3**



\*Ratio of current monthly total to median of 15 month totals (from previous, comparable, and subsequent months for the past 5 years).

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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