

# Regional Surveillance Report: March 2014

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## SUMMARY

- **Health Service Region 2**

- There were a total of 25 cases reported in Health Service Region 2 for the month.
- Reported cases of the following diseases differed from the five-year monthly median: Campylobacteriosis, Pertussis, Salmonellosis, Shigellosis, *Streptococcus pneumoniae*, invasive, Typhoid Fever, and Varicella (Chickenpox).
- Reported cases of Campylobacteriosis, Pertussis, and Varicella (Chickenpox) were beyond historical limits for the five-year monthly median.

- **Health Service Region 3**

- There were a total of 397 cases in Health Service Region 3 for the month.
- Reported cases of the following diseases differed from the five-year monthly median: Amebiasis, Botulism (adult and infant), Campylobacteriosis, Cryptosporidiosis, Cyclosporiasis, *Haemophilus influenzae*, invasive, Hepatitis B, acute, Hepatitis E, acute, Influenza-associated pediatric mortality, Mumps, Pertussis, Salmonellosis, Shiga toxin-producing *Escherichia coli* (STEC), Shigellosis, *Streptococcus pneumoniae*, invasive, Streptococcus, Invasive Group A, Streptococcus, Invasive Group B, Varicella (Chickenpox), and Yersiniosis.
- Reported cases of Amebiasis, Shiga toxin-producing *Escherichia coli* (STEC), and Streptococcus, Invasive Group A were beyond historical limits for the five-year monthly median.

- **Outbreak Investigations**

- A gastrointestinal illness outbreak was reported and investigated by Dallas County in a long term care facility.
- A Norovirus outbreak was reported and investigated by Dallas County in a rehabilitation facility.
- A Norovirus outbreak was reported and investigated by DSHS in a rehabilitation facility in Hood County.
- A Shigellosis outbreak was reported and investigated by DSHS in a school district in Ellis 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.*

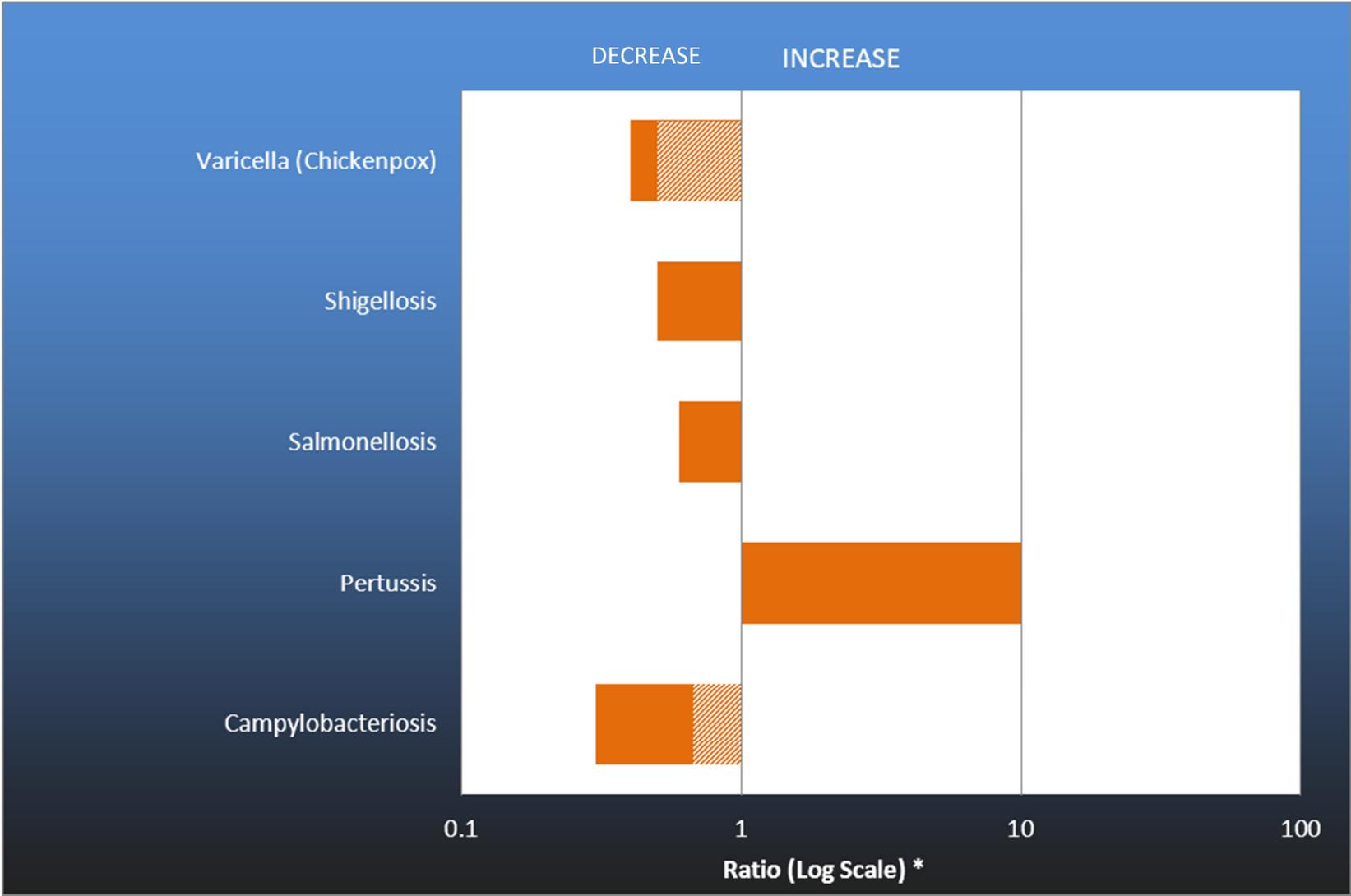
**Table 1: Reported Disease Case Counts in Health Service Region 2, March 2014**

<u>Disease</u>	<u>March 2014</u>	<u>January - December 2014</u>	<u>5-Year Monthly Median F</u>	<u>Total Cases in Previous Years</u>					<u>Counties Reporting during March 2014 (Counts)</u>
				<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2013</u>	
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	1	3	3	42	37	42	71	36	Taylor (1)
Creutzfeldt-Jakob Disease (CJD)	0	0	0	1	0	1	0	0	
Cryptosporidiosis	0	1	0	6	1	10	8	4	
Cyclosporiasis	0	0	0	0	1	0	0	4	
Diphtheria	0	0	0	0	0	0	0	0	
<i>Haemophilus influenzae</i> , invasive	0	0	0	0	0	0	0	0	
Hepatitis A, acute	0	1	0	4	4	4	5	3	
Hepatitis B, acute	1	2	1	18	13	9	7	4	Clay (1)
Hepatitis B, perinatal	0	0	0	0	0	0	0	0	
Hepatitis C, acute	0	0	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	1	0	0	3	2	4	3	
Listeriosis	0	0	0	0	0	2	0	0	
Measles	0	0	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	10	12	1	15	15	9	31	77	Knox (1), Mitchell (5), Scurry (2), Taylor (2)

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				<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2013</u>	
Poliomyelitis, acute paralytic	0	0	0	0	0	0	0	0	
Rubella (including congenital)	0	0	0	0	0	0	0	0	
Salmonellosis	3	15	5	100	126	139	199	136	Hardeman (1), Nolan (1), Taylor (1)
Shiga toxin-producing <i>Escherichia coli</i> (STEC)	0	6	1	12	9	20	13	15	
Shigellosis	1	4	2	30	21	63	185	42	Jones (1)
Smallpox	0	0	0	0	0	0	0	0	
<i>Streptococcus pneumoniae</i> , invasive	3	9	0	0	10	18	24	14	Hardeman (1), Montague (1), Taylor (1)
Streptococcus, Invasive Group A	0	1	1	4	9	9	6	5	
Streptococcus, Invasive Group B	2	5	2	8	12	19	11	19	Scurry (1), Taylor (1)
Typhoid Fever	1	1	0	0	0	0	0	0	Taylor (1)
Varicella (Chickenpox)	3	8	8	149	34	112	84	48	Haskell (1), Nolan (1), Taylor (1)
Vibrio infection (including cholera)	0	0	0	0	1	3	0	1	
VISA	0	0	0	0	0	0	1	2	
VRSA	0	0	0	0	0	0	0	0	
Yersiniosis	0	0	0	0	1	0	0	0	
<b>Total</b>	<b>25</b>	<b>70</b>		<b>417</b>	<b>318</b>	<b>466</b>	<b>650</b>	<b>417</b>	

F 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.

**FIGURE I. Notifiable Diseases Exceeding Five-year Monthly Median for March 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

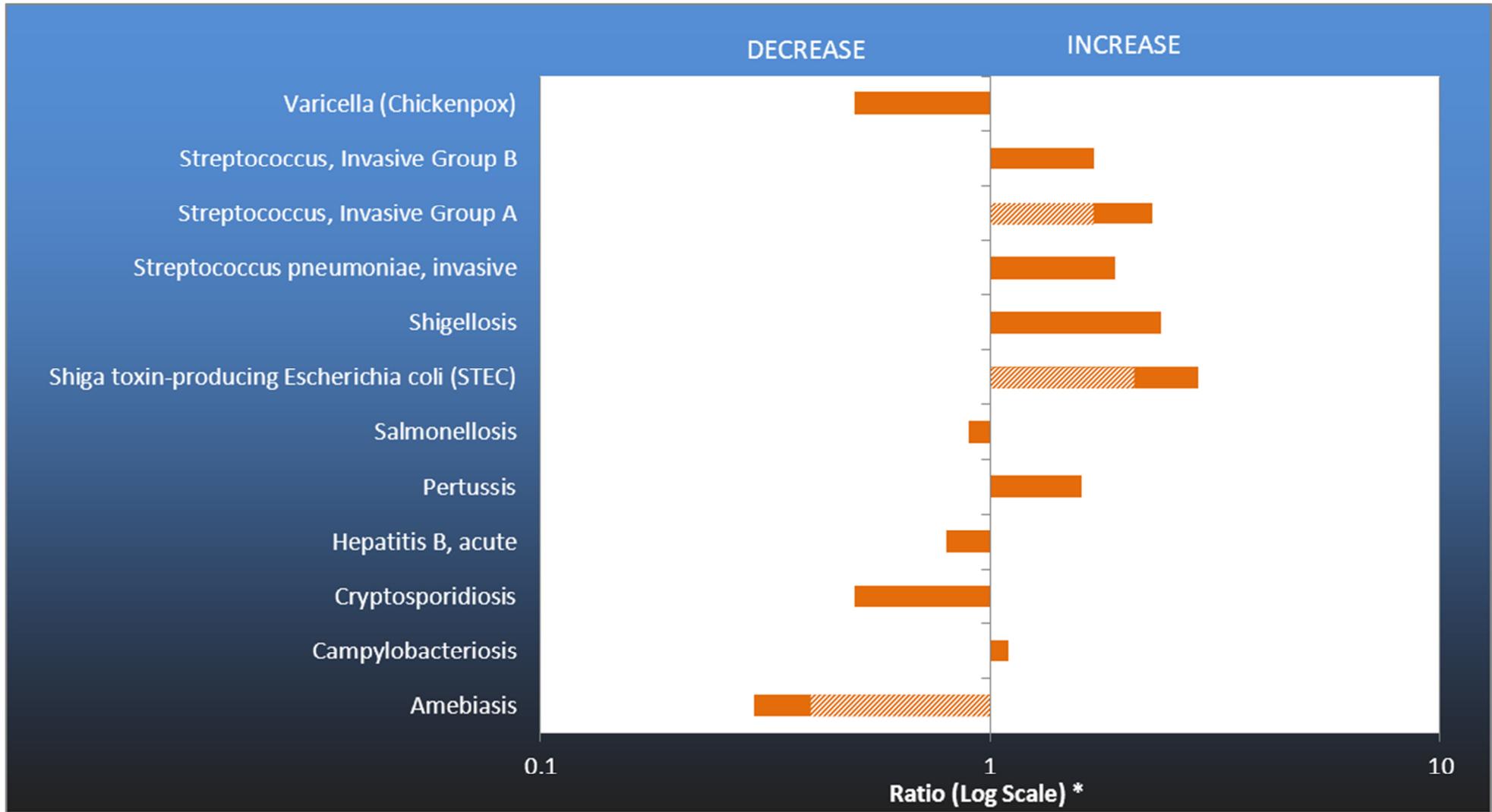
**Table 2: Reported Disease Case Counts in Health Service Region 3, March 2014**

Disease	March 2014	January - December 2014	5-Year Monthly Median †	Total Cases in Previous Years					Counties Reporting during March 2014 (Counts)
				2009	2010	2011	2012	2013	
Amebiasis	2	12	7	100	117	53	56	65	Dallas (2)
Amebic meningitis and encephalitis	0	0	0	0	1	0	0	0	
Botulism (adult and infant)	1	2	0	0	1	1	0	2	Collin (1)
Campylobacteriosis	33	104	30	493	374	438	572	606	Collin (7), Dallas (15), Denton (3), Ellis (1), Erath (1), Parker (1), Tarrant (5)
Creutzfeldt-Jakob Disease (CJD)	0	0	0	7	10	2	6	2	
Cryptosporidiosis	3	16	6	119	164	126	98	128	Tarrant (3)
Cyclosporiasis	1	2	0	7	8	9	13	183	Collin (1)
Diphtheria	0	0	0	0	0	0	0	0	
<i>Haemophilus influenzae</i> , invasive	1	2	0	1	2	1	2	0	Dallas (1)
Hepatitis A, acute	0	4	4	79	64	54	62	27	
Hepatitis B, acute	3	5	4	155	130	42	38	24	Collin (1), Dallas (1), Rockwall (1)
Hepatitis B, perinatal	0	0	0	1	1	1	1	1	
Hepatitis C, acute	1	3	1	9	8	8	20	11	Tarrant (1)
Hepatitis E, acute	1	3	0	4	7	7	4	4	Dallas (1)
Influenza-associated pediatric mortality	1	4	0	10	2	5	5	1	Tarrant (1)
Legionellosis	3	19	3	57	69	52	59	68	Dallas (3)
Listeriosis	0	0	0	8	5	14	8	9	
Measles	0	3	0	0	0	3	0	25	
Mumps	1	2	0	11	12	7	5	1	Tarrant (1)
<i>Neisseria meningitidis</i> , invasive	0	1	1	17	13	10	13	13	

<u>Disease</u>	<u>March 2014</u>	<u>January - December 2014</u>	<u>5-Year Monthly Median †</u>	<u>Total Cases in Previous Years</u>					<u>Counties Reporting during March 2014 (Counts)</u>
				<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2013</u>	
Pertussis	63	220	40	702	657	282	675	1,849	Collin (17), Dallas (9), Denton (5), Ellis (1), Rockwall (3), Tarrant (28)
Poliomyelitis, acute paralytic	0	0	0	0	0	0	0	0	
Rubella (including congenital)	0	0	0	0	0	0	0	0	
Salmonellosis	49	136	52	1,021	1,275	1,208	1,245	1,144	Collin (6), Dallas (16), Denton (3), Ellis (1), Johnson (2), Kaufman (2), Navarro (1), Palo Pinto (1), Rockwall (3), Tarrant (14)
Shiga toxin-producing <i>Escherichia coli</i> (STEC)	20	62	7	93	148	145	125	161	Collin (3), Dallas (8), Denton (3), Ellis (1), Hood (1), Parker (1), Tarrant (1), Wise (2)
Shigellosis	45	148	19	260	630	676	376	666	Collin (1), Dallas (18), Denton (3), Ellis (7), Grayson (1), Navarro (1), Rockwall (1), Tarrant (13)
Smallpox	0	0	0	0	0	0	0	0	
<i>Streptococcus pneumoniae</i> , invasive	74	223	38	0	301	413	458	499	Collin (3), Dallas (29), Denton (5), Ellis (3), Fannin (2), Hunt (1), Johnson (2), Kaufman (1), Parker (2), Tarrant (26)
Streptococcus, Invasive Group A	25	81	11	104	111	152	104	118	Collin (2), Dallas (12), Denton (2), Rockwall (1), Tarrant (8)
Streptococcus, Invasive Group B	33	107	19	197	261	288	292	281	Dallas (18), Denton (3), Johnson (1), Rockwall (1), Tarrant (10)
Typhoid Fever	0	2	0	7	10	11	8	7	
Varicella (Chickenpox)	36	113	67	1,322	783	710	614	513	Collin (6), Dallas (10), Denton (4), Johnson (2), Tarrant (14)
Vibrio infection (including cholera)	0	0	0	8	16	9	16	10	
VISA	0	0	0	0	4	1	7	2	
VRSA	0	0	0	0	0	0	0	0	
Yersiniosis	1	3	0	4	5	4	5	12	Dallas (1)
<b>Total</b>	<b>397</b>	<b>1,277</b>		<b>4,796</b>	<b>5,189</b>	<b>4,732</b>	<b>4,887</b>	<b>6,432</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.

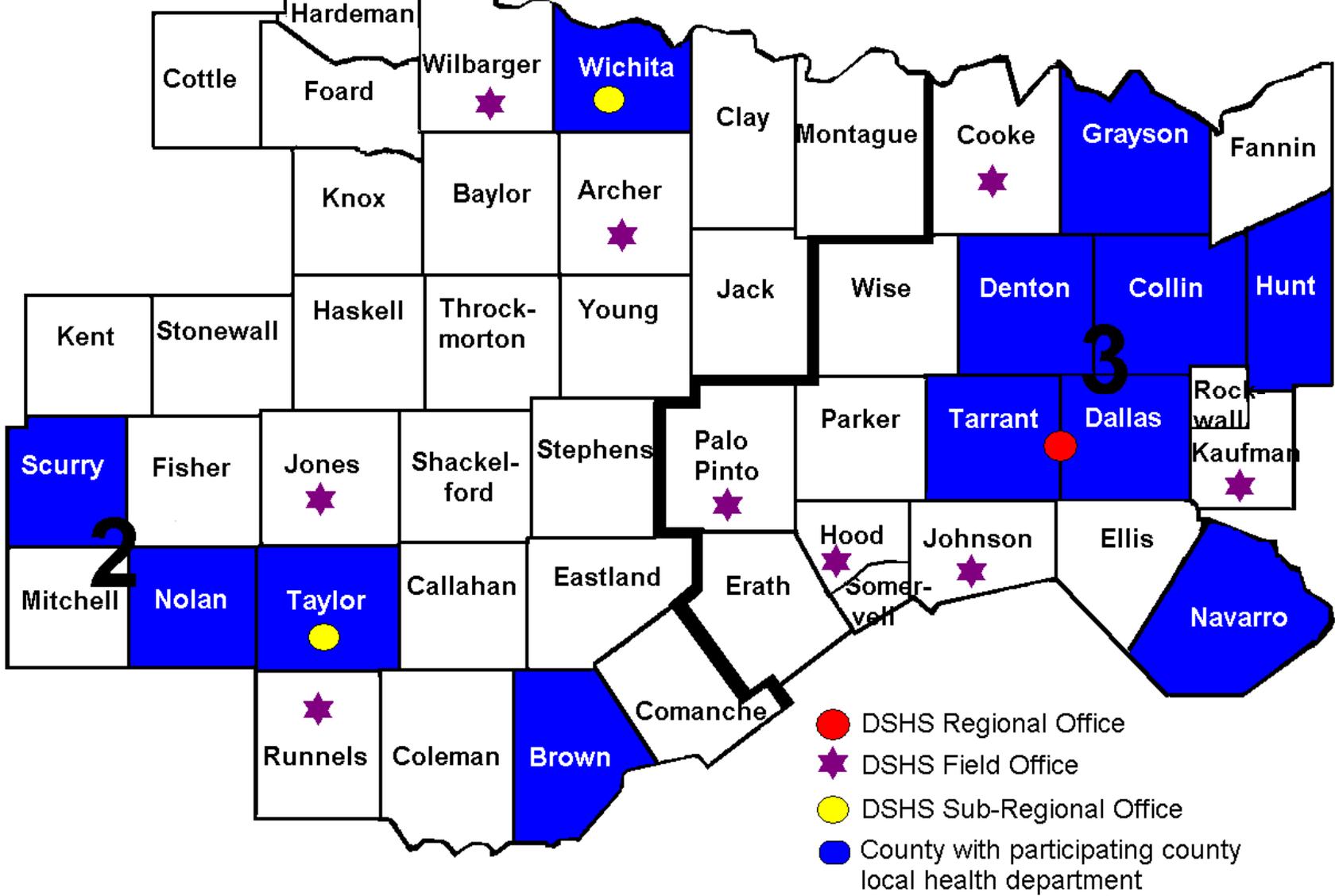
**FIGURE II. Notifiable Diseases Exceeding Five-year Monthly Median for March 2014, Health Service Region 3**



\*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



- DSHS Regional Office
- ★ DSHS Field Office
- DSHS Sub-Regional Office
- County with participating county local health department

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