

Regional Surveillance Report: January 2014

SUMMARY

- **Health Service Region 2**

- There were a total of 26 cases reported in Health Service Region 2 for the month.
- Reported cases of the following diseases differed from the five-year monthly median: Campylobacteriosis, Hepatitis A, acute, Mumps, Pertussis, Salmonellosis, Shiga toxin-producing *Escherichia coli* (STEC), Shigellosis, *Streptococcus pneumoniae*, invasive, and Varicella (Chickenpox).
- Reported cases of *Streptococcus pneumoniae*, invasive, and Varicella (Chickenpox) were beyond historical limits for the five-year monthly median.

- **Health Service Region 3**

- There were a total of 483 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, *Haemophilus influenzae*, invasive, Hepatitis A, acute, Hepatitis B, acute, Hepatitis C, acute, Legionellosis, Measles, Pertussis, Salmonellosis, Shiga toxin-producing *Escherichia coli* (STEC), Shigellosis, *Streptococcus pneumoniae*, invasive, Streptococcus, Invasive Group A, Streptococcus, Invasive Group B, Typhoid Fever, Varicella (Chickenpox), and Yersiniosis.
- Reported cases of Amebiasis, Hepatitis C, acute, Legionellosis, Shigellosis, *Streptococcus pneumoniae*, invasive, and Streptococcus, Invasive Group A, and Typhoid Fever were beyond historical limits for the five-year monthly median.

- **Outbreak Investigations**

- A Pertussis outbreak was reported and investigated by Tarrant County.
- A Norovirus outbreak was reported and investigated by Grayson County in a behavioral health center.
- An influenza-like illness outbreak was reported and investigated by Scurry County in a correctional facility.
- An on-going Shigellosis outbreak and investigation is being conducted by Grayson County.

Please see the following tables and figures for more details.

NOTE: Counts include 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.

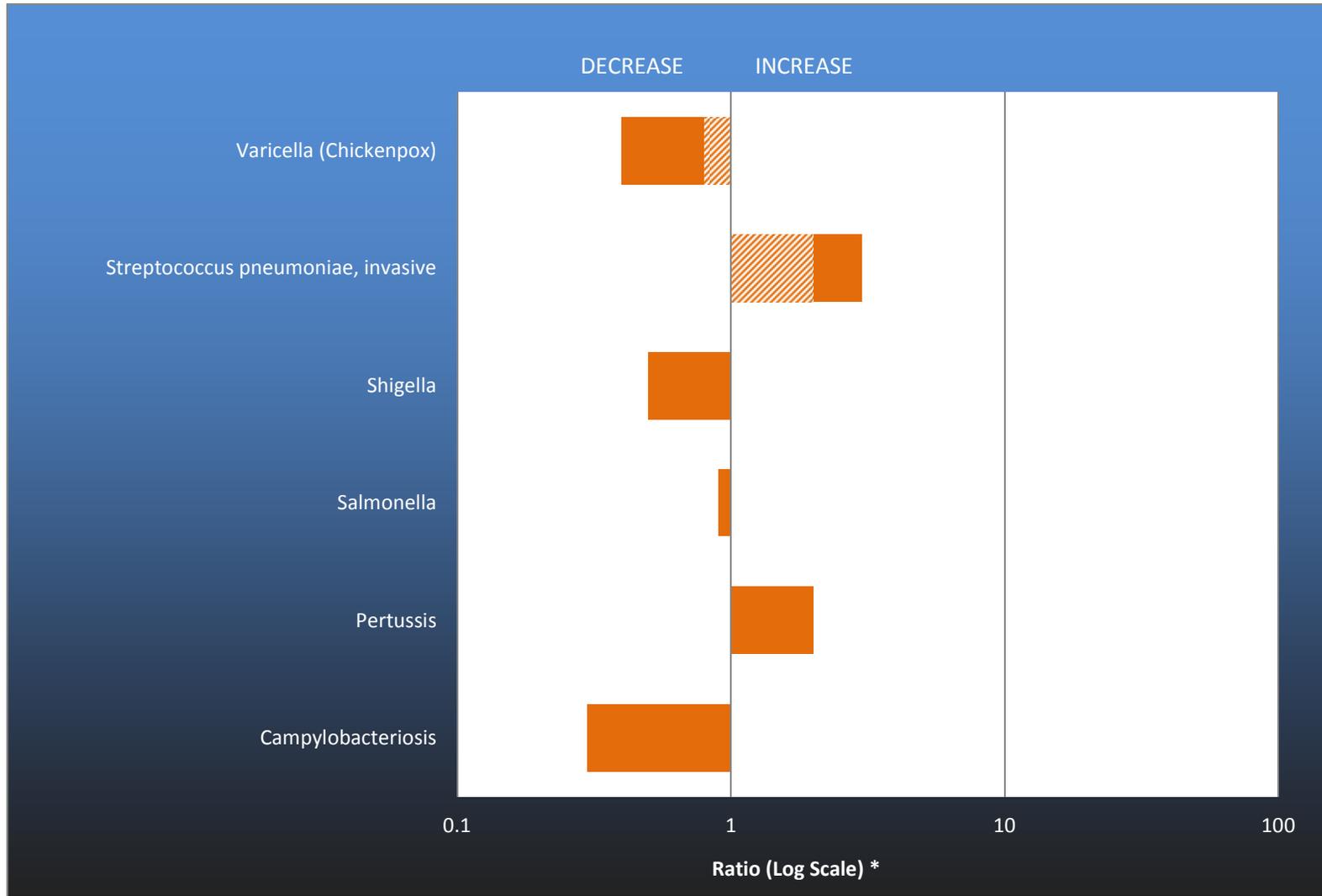
Table 1: Reported Disease Case Counts in Health Service Region 2, January 2014

<u>Disease</u>	<u>January 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 January 2014 (Counts)</u>
				<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2013</u>	
Amebiasis	0	0	0	11	10	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	1	3	42	39	38	73	41	Taylor (1)
Creutzfeldt-Jakob Disease (CJD)	0	0	0	1	0	1	0	0	
Cryptosporidiosis	0	0	0	6	1	10	7	6	
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	1	1	0	3	5	4	4	4	Wichita (1)
Hepatitis B, acute	1	1	1	19	13	8	8	4	Nolan (1)
Hepatitis B, perinatal	0	0	0	0	0	0	0	0	
Hepatitis C, acute	0	0	0	14	4	3	0	4	
Influenza-associated pediatric mortality	0	0	0	2	1	0	0	0	
Legionellosis	1	1	0	0	3	2	4	2	Clay (1)
Listeriosis	0	0	0	0	0	2	0	0	
Measles	0	0	0	0	0	0	0	0	
Mumps	1	1	0	2	2	2	0	0	Wichita (1)
<i>Neisseria meningitidis</i> , invasive	0	0	0	2	4	0	0	0	
Pertussis	2	2	1	15	15	10	30	79	Brown (1), Taylor (1)

<u>Disease</u>	<u>January 2014</u>	<u>January - December 2014</u>	<u>5-Year Monthly Median †</u>	<u>Total Cases in Previous Years</u>					<u>Counties Reporting during January 2014 (Counts)</u>
				<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	
Salmonella	7	7	8	104	126	142	202	133	Eastland (2), Foard (2), Taylor (3)
Shiga toxin-producing <i>Escherichia coli</i> (STEC)	4	4	0	14	9	20	11	15	Cottle (2), Wichita (1), Young (1)
Shigella	2	2	4	30	20	59	188	46	Eastland (2)
Smallpox	0	0	0	0	0	0	0	0	
<i>Streptococcus pneumoniae</i> , invasive	3	3	1	0	8	19	23	13	Coleman (1), Comanche (1), Jones (1)
Streptococcus, Invasive Group A	0	0	0	4	9	9	7	5	
Streptococcus, Invasive Group B	1	1	1	8	12	20	11	19	Jack (1)
Typhoid Fever	0	0	0	0	0	0	0	0	
Varicella (Chickenpox)	2	2	5	173	35	108	83	52	Nolan (1), Stephens (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	
Total	26	26		450	319	460	653	430	

† 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 January 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

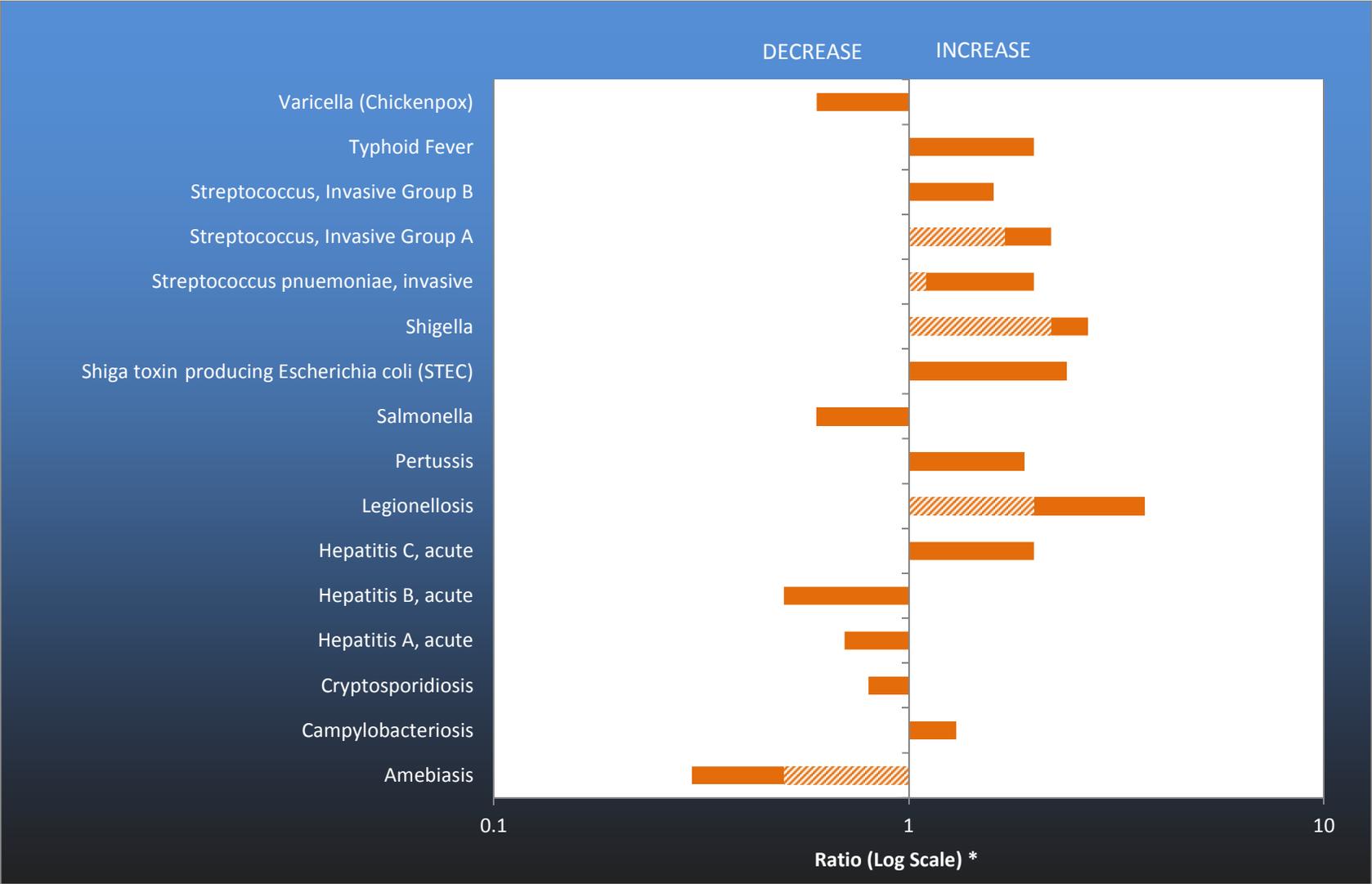
Table 2: Reported Disease Case Counts in Health Service Region 3, January 2014

Disease	January 2014	January - December 2014	5-Year Monthly Median †	Total Cases in Previous Years					Counties Reporting during January 2014 (Counts)
				2009	2010	2011	2012	2013	
Amebiasis	2	2	6	93	128	58	53	67	Dallas (2)
Amebic meningitis and encephalitis	0	0	0	0	0	0	0		
Botulism (adult and infant)	1	1	0	0	1	1	0	1	Dallas (1)
Campylobacteriosis	39	39	29	492	383	437	566	591	Collin (3), Dallas (9), Denton (3), Ellis (2), Grayson (1), Hood (1), Johnson (1), Kaufman (3), Rockwall (1), Tarrant (14), Wise (1)
Creutzfeldt-Jakob Disease (CJD)	0	0	0	7	12	1	7	0	
Cryptosporidiosis	6	6	8	120	155	132	104	119	Dallas (3), Denton (1), Tarrant (2)
Cyclosporiasis	0	0	0	7	8	8	14	156	
Diphtheria	0	0	0	0	0	0	0	0	
<i>Haemophilus influenzae</i> , invasive	1	1	0	2	2	1	1	1	Collin (1)
Hepatitis A, acute	2	2	3	79	67	54	61	29	Dallas (1), Tarrant (1)
Hepatitis B, acute	2	2	4	159	132	44	38	23	Dallas (1), Denton (1)
Hepatitis B, perinatal	0	0	0	1	1	1	1	1	
Hepatitis C, acute	2	2	1	9	7	9	20	9	Tarrant (2)
Influenza-associated pediatric mortality	0	0	0	9	3	3	5	2	
Legionellosis	11	11	3	59	68	53	56	67	Cooke (1), Dallas (1), Johnson (1), Kaufman (1), Parker(2), Tarrant (5)
Listeriosis	0	0	0	7	6	13	9	10	
Measles	2	2	0	0	0	3	0	25	Collin (2)
Mumps	0	0	0	10	13	7	5	1	
<i>Neisseria meningitidis</i> , invasive	1	1	1	17	10	13	13	13	Dallas (1)

<u>Disease</u>	<u>January 2014</u>	<u>January - December 2014</u>	<u>5-Year Monthly Median †</u>	<u>Total Cases in Previous Years</u>					<u>Counties Reporting during January 2014 (Counts)</u>
				<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2013</u>	
Pertussis	79	79	42	723	651	300	630	1,852	Collin (10), Dallas (17), Denton (17), Ellis (2), Hood (1), Johnson (1), Parker (1), Rockwall (1), Tarrant (29)
Poliomyelitis, acute paralytic	0	0	0	0	0	0	0	0	
Rubella (including congenital)	0	0	0	0	0	0	0	0	
Salmonella	45	45	70	1,056	1,260	1,216	1,258	1,128	Collin (5), Dallas (20), Denton (2), Ellis (1), Erath (3), Grayson (1), Hood (1), Hunt (1), Kaufman (1), Parker (3), Rockwall (1), Tarrant (6)
Shiga toxin-producing <i>Escherichia coli</i> (STEC)	19	19	8	92	141	149	130	151	Collin (1), Dallas (7), Denton (1), Grayson (1), Kaufman (1), Parker (1), Tarrant (7)
Shigella	71	71	26	257	617	690	379	629	Collin (2), Dallas (7), Denton (1), Ellis (5), Fannin (1), Grayson (49), Johnson (1), Parker (1), Tarrant (4)
Smallpox	0	0	0	0	0	0	0	0	
<i>Streptococcus pneumoniae</i> , invasive	99	99	49	0	249	455	404	530	Collin (5), Dallas (39), Denton (5), Ellis (4), Erath (1), Johnson (5), Navarro (1), Parker (1), Rockwall (2), Tarrant (34), Wise (2)
Streptococcus, Invasive Group A	28	28	13	109	107	153	105	112	Dallas (13), Denton (3), Ellis (1), Navarro (1), Parker (2), Tarrant (8)
Streptococcus, Invasive Group B	33	33	21	193	259	288	291	282	Cooke (1), Dallas (17), Denton (2), Johnson (2), Parker (1), Tarrant (10)
Typhoid Fever	2	2	1	10	10	11	7	7	Dallas (2)
Varicella (Chickenpox)	37	37	62	1,366	774	711	616	521	Collin (6), Dallas (15), Denton (5), Ellis (1), Johnson (2), Parker (1), Tarrant (7)
Vibrio infection (including cholera)	0	0	0	9	15	9	17	10	
VISA	0	0	0	0	4	1	6	3	
VRSA	0	0	0	0	0	0	0	0	
Yersiniosis	1	1	0	4	4	6	5	11	Dallas (1)
Total	483	483		4,890	5,087	4,827	4,801	6,351	

† 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.

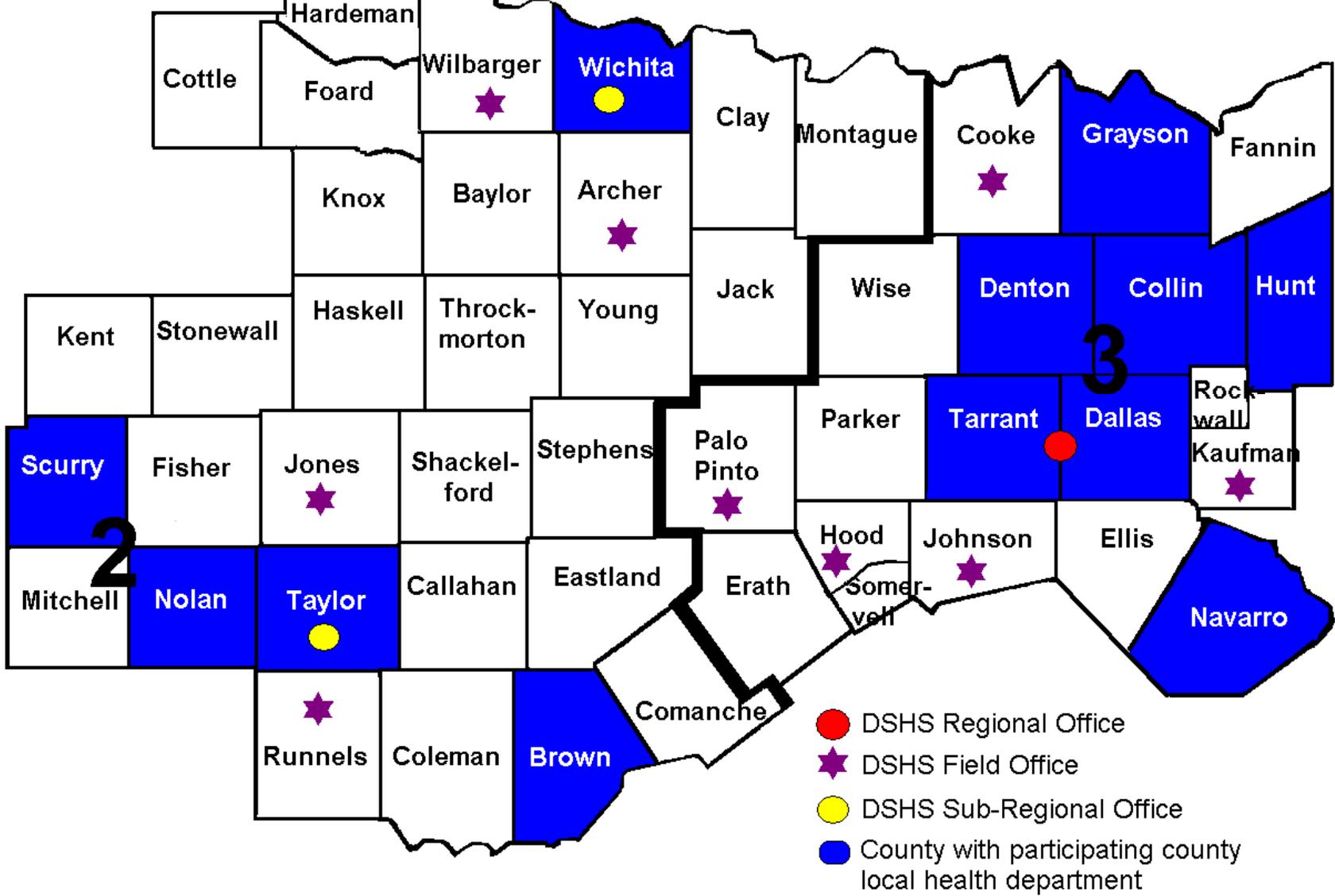
FIGURE II. Notifiable Diseases Exceeding Five-year Monthly Median for January 2014, Health Service Region 3



*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



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