

Regional Surveillance Report: April 2015

SUMMARY

- **Health Service Region 2**

- There were a total of 43 cases reported in Health Service Region 2 for the month.
- 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 431 cases in Health Service Region 3 for the month.
- There were no reported cases beyond historical limits for the five-year monthly median.

- **Outbreak Investigations**

- Pertussis outbreaks were reported and investigated by:
 - DSHS HSR 2/3 in a Parker County residence
 - DSHS HSR 2/3 in a Comanche County school
 - Denton County in a school
 - Tarrant County in a school
 - Tarrant County in a residence
- A gastrointestinal illness outbreak was reported and investigated by DSHS in a Parker County school.
- A campylobacteriosis outbreak was reported and investigated by DSHS associated with a Kaufman County dairy.

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.

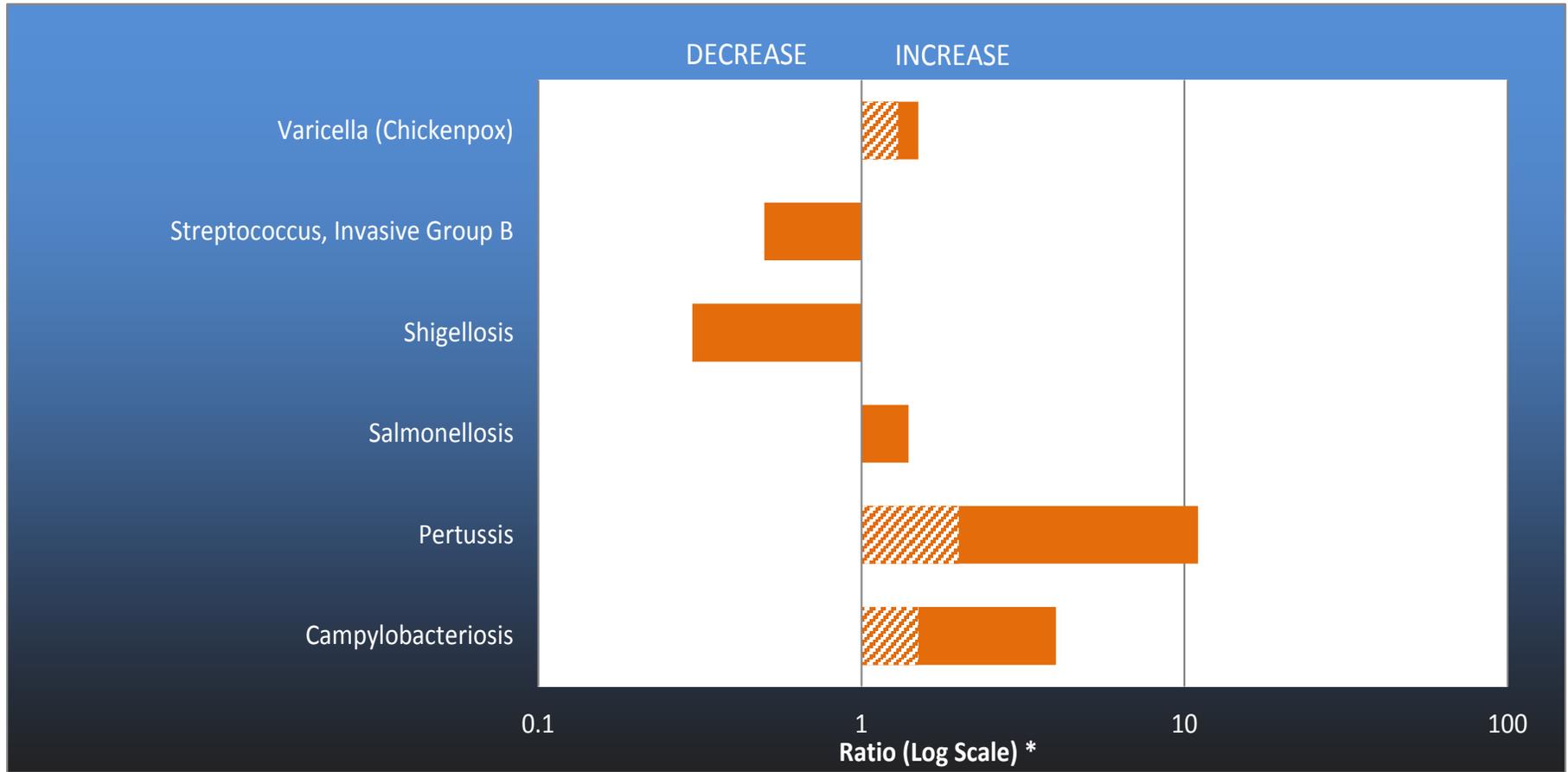
Table 1: Reported Disease Case Counts in Health Service Region 2, April 2015

Disease	April 2015	January - December 2015	5-Year Monthly Median F	Total Cases in Previous Years					Counties Reporting during April 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	8	25	2	37	42	71	36	37	Archer (1), Clay (1), Jack (1), Stephens (1), Wichita (4)
Creutzfeldt-Jakob Disease (CJD)	0	0	0	0	1	0	0	0	
Cryptosporidiosis	1	2	0	1	10	8	4	8	Eastland (1)
Cyclosporiasis	0	0	0	1	0	0	4	1	
Diphtheria	0	0	0	0	0	0	0	0	
<i>Haemophilus influenzae</i> , invasive	1	1	0	0	0	0	0	1	Eastland (1)
Hepatitis A, acute	1	1	0	4	4	5	3	2	Wichita (1)
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	0	6	0	5	2	0	4	11	
Hepatitis E, acute	0	0	0	0	0	0	0	0	
Influenza-associated pediatric mortality	0	0	0	1	0	0	0	0	
Legionellosis	0	2	0	3	2	4	3	6	
Listeriosis	0	0	0	0	2	0	0	0	
Measles	0	1	0	0	0	0	0	3	
MDROs	0	3	0	0	0	0	0	15	
Mumps	0	0	0	2	2	0	0	1	
<i>Neisseria meningitidis</i> , invasive	0	0	0	4	0	0	0	0	
Pertussis	11	17	1	15	9	31	77	24	Comanche (9), Taylor (1), Young (1)

Disease	April 2015	January - December 2015	5-Year Monthly Median †	Total Cases in Previous Years					Counties Reporting during April 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	7	20	5	126	139	199	133	117	Archer (1), Comanche (1), Eastland (1), Runnels (1), Taylor (1), Wichita (1), Young (1)
Shiga toxin-producing <i>Escherichia coli</i> (STEC)	1	7	1	9	20	13	15	26	Nolan (1)
Shigellosis	1	9	3	21	63	185	41	20	Scurry (1)
Smallpox	0	0	0	0	0	0	0	0	
<i>Streptococcus pneumoniae</i> , invasive	2	25	2	10	18	24	14	22	Wichita (2)
Streptococcus, Invasive Group A	0	10	0	9	9	6	5	7	
Streptococcus, Invasive Group B	1	10	2	12	19	11	19	24	Wichita (1)
Tetanus	0	0	0	0	0	0	0	0	
Typhoid Fever	0	0	0	0	0	0	0	1	
Varicella (Chickenpox)	9	17	6	34	112	84	48	33	Brown (1), Callahan (1), Comanche (1), Nolan (1), Taylor (2), Wichita (3)
Vibrio infection (including cholera)	0	0	0	1	3	0	1	2	
Viral Hemorrhagic Fever	0	0		0	0	0	0	0	
VISA	0	1	0	0	0	1	1	1	
VRSA	0	0	0	0	0	0	0	0	
Yersiniosis	0	2	0	1	0	0	0	1	
Total	43	160		318	466	650	412	367	

‡ 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 April 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

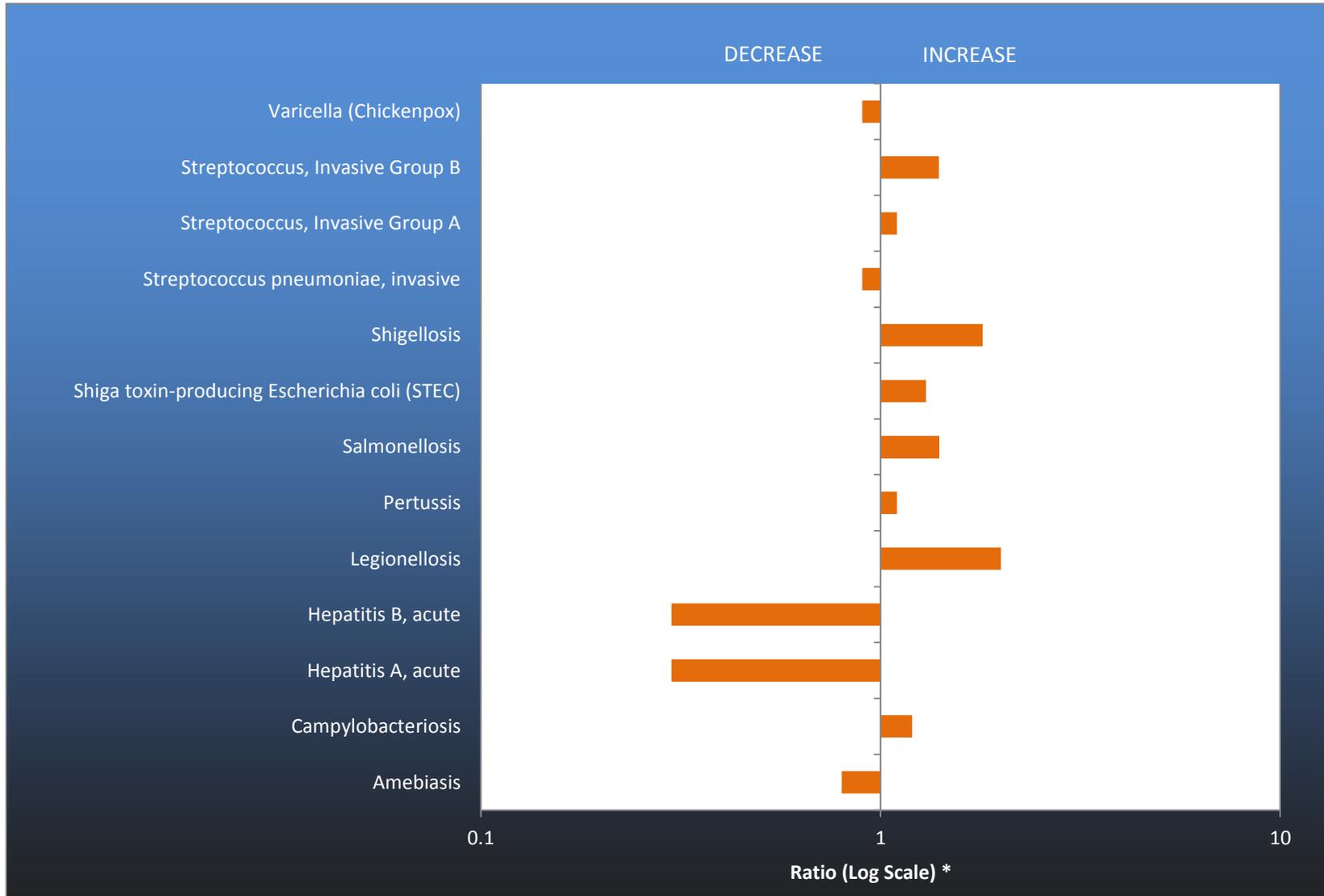
Table 2: Reported Disease Case Counts in Health Service Region 3, April 2015

Disease	April 2015	January – December 2015	5-Year Monthly Median †	Total Cases in Previous Years					Counties Reporting during April 2015 (Counts)
				2010	2011	2012	2013	2013	
Amebiasis	5	19	6	117	53	56	65	46	Collin (1), Dallas (4)
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	37	182	37	374	438	572	606	657	Collin (5), Dallas (7), Denton (5), Ellis (1), Hood (1), Johnson (6), Parker (1), Somervell (1), Tarrant (10)
Creutzfeldt-Jakob Disease (CJD)	0	1	0	10	2	6	1	9	
Cryptosporidiosis	7	23	6	164	126	98	128	96	Collin (1), Dallas (2), Denton (1), Kaufman (1), Tarrant (2)
Cyclosporiasis	1	1	0	8	9	13	183	118	Kaufman (1)
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	9	4	64	55	62	27	27	Dallas (1)
Hepatitis B, acute	1	10	3	130	42	38	24	22	Tarrant (1)
Hepatitis B, perinatal	0	0	0	1	1	1	1	1	
Hepatitis C, acute	0	7	1	8	8	20	11	19	
Hepatitis E, acute	0	0	0	7	7	4	4	5	
Influenza-associated pediatric mortality	0	3	0	2	5	5	2	5	
Legionellosis	8	32	4	69	52	59	68	105	Dallas (3), Tarrant (5)
Listeriosis	0	1	0	5	14	8	9	5	
Measles	0	1	0	0	3	0	25	4	
MDROs†	17	89	0	0	0	0	0	206	Collin (3), Dallas (3), Denton (1), Fannin (1), Palo Pinto (1), Tarrant (8)
Mumps	0	1	0	12	7	5	1	5	
<i>Neisseria meningitidis</i> , invasive	0	2	1	13	10	13	13	5	

Disease	April 2015	January - December 2015	5-Year Monthly Median †	Total Cases in Previous Years					Counties Reporting during April 2015 (Counts)
				2010	2011	2012	2013	2014	
Pertussis	55	208	48	657	282	675	1,850	1,041	Collin (3), Dallas (2), Denton (9), Kaufman (1), Parker (3), Rockwall (1), Tarrant (36)
Poliomyelitis, acute paralytic	0	0	0	0	0	0	0	0	
Rubella (including congenital)	0	0	0	0	0	0	0	0	
Salmonellosis	87	267	62	1,275	1,208	1,245	1,142	1,140	Collin (13), Dallas (16), Denton (14), Ellis (4), Erath (6), Johnson (5), Kaufman (2), Parker (2), Tarrant (23), Wise (2)
Shiga toxin-producing <i>Escherichia coli</i> (STEC)	13	45	10	148	145	125	162	224	Cooke (1), Dallas (3), Ellis (1), Hood (1), Parker (1), Tarrant (5), Wise (1)
Shigellosis	53	153	29	630	676	376	667	740	Collin (2), Dallas (22), Denton (5), Ellis (1), Fannin (1), Hood (1), Kaufman (1), Navarro (5), Tarrant (15)
Smallpox	0	0	0	0	0	0	0	0	
<i>Streptococcus pneumoniae</i> , invasive	34	232	39	301	413	458	499	519	Collin (4), Dallas (12), Denton (6), Ellis (1), Johnson (1), Navarro (1), Tarrant (9)
Streptococcus, Invasive Group A	12	77	11	111	152	104	118	202	Collin (1), Dallas (6), Denton (1), Ellis (1), Tarrant (3)
Streptococcus, Invasive Group B	33	146	24	261	288	292	281	421	Collin (5), Dallas (18), Denton (3), Ellis (1), Johnson (1), Tarrant (5)
Tetanus	0	0	0	0	1	0	0	1	
Typhoid Fever	1	1	0	10	11	8	7	9	Denton (1)
Varicella (Chickenpox)	63	162	67	783	710	614	513	499	Collin (7), Dallas (15), Denton (10), Erath (1), Fannin (1), Hunt (2), Kaufman (9), Parker (1), Rockwall (5), Tarrant (12)
Vibrio infection (including cholera)	0	1	0	16	9	16	10	16	
Viral Hemorrhagic Fever (Ebola)	0	0	0	0	0	0	0	3	
VISA	1	2	0	4	1	7	2	1	Collin (1)
VRSA	0	0	0	0	0	0	0	0	
Yersiniosis	2	3	0	5	4	5	12	6	Dallas (1), Tarrant (1)
Total	431	1,679		5,189	4,734	4,887	6,433	6,161	

† 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 April 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

