

Regional Surveillance Report: July 2015

SUMMARY

- **Health Service Region 2**

- There were a total of 66 cases reported in Health Service Region 2 for the month.
- Reported cases of Campylobacteriosis, Cryptosporidiosis, Cyclosporiasis, Hepatitis A, Pertussis, Salmonellosis and Shigellosis were beyond historical limits for the five-year monthly median (highlighted in Table 1).

- **Health Service Region 3**

- There were a total of 621 cases in Health Service Region 3 for the month.
- Reported cases of Campylobacter, Cryptosporidiosis, Cyclosporiasis, Hepatitis C (acute), Legionellosis, Salmonellosis, Streptococcus Group A (invasive), Streptococcus Group B (invasive) and Varicella were beyond historical limits for the five-year monthly median (highlighted in Table 2).

- **Outbreak Investigations**

- A Shigellosis outbreak was investigated in Tarrant County involving a childcare facility.
- A Legionellosis outbreak was investigated in Dallas County involving rehabilitation facility.
- Two Pertussis outbreaks were investigated in Denton County involving a school, church and residence.
- A Cyclosporiasis outbreak was investigated by local and DSHS regional public health departments statewide.

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, July 2015

Disease	July 2015	January - July 2015	5-Year Monthly Median F	Total Cases in Previous Years					Counties Reporting during July 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	22	65	5	37	38	71	43	39	Brown(2), Comanche(2), Hardeman(2), Jones(1), Nolan(6), Taylor(1), Wichita(6), Wilbarger(2)
Creutzfeldt-Jakob Disease (CJD)	0	0	0	0	0	0	1	0	
Cryptosporidiosis	6	13	0	8	4	9	10	1	Nolan (1), Runnels (1), Taylor (1), Wichita (2), Wilbarger (1)
Cyclosporiasis	3	5	0	1	4	0	0	1	Archer (1), Taylor (2)
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	1	2	0	2	3	5	4	4	Taylor (1)
Hepatitis B, acute	0	3	0	4	4	7	9	13	
Hepatitis B, perinatal	0	0	0	0	0	0	0	0	
Hepatitis C, acute	0	7	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	1	5	0	16	0	0	0	0	Haskell (1)
Mumps	0	0	0	1	0	0	2	2	
<i>Neisseria meningitidis</i> , invasive	0	0	0	0	0	0	0	4	
Pertussis	6	30	2	24	77	31	9	15	Archer (1), Brown (1), Callahan (1), Wichita (3)

Disease	July 2015	January - July 2015	5-Year Monthly Median †	Total Cases in Previous Years					Counties Reporting during July 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	17	53	12	117	133	200	140	127	Brown (1), Callahan (1), Foard (1), Hardeman (1), Jones (2), Knox (1), Montague (2), Scurry (1), Taylor (3), Wichita (3), Wilbarger (1)
Shiga toxin-producing <i>Escherichia coli</i> (STEC)	2	14	2	26	15	13	20	9	Archer (1), Haskell (1)
Shigellosis	8	23	2	20	41	187	63	30	Archer (1), Brown (1), Callahan (1), Wichita (1), Young (4)
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	14	1	7	5	7	9	9	
Streptococcus, Invasive Group B	0	20	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)	0	23	2	33	48	84	112	34	
Vibrio infection (including cholera)	0	0	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	66	317		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 June 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 graph above.

Current Ratio
 Historical Limits

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

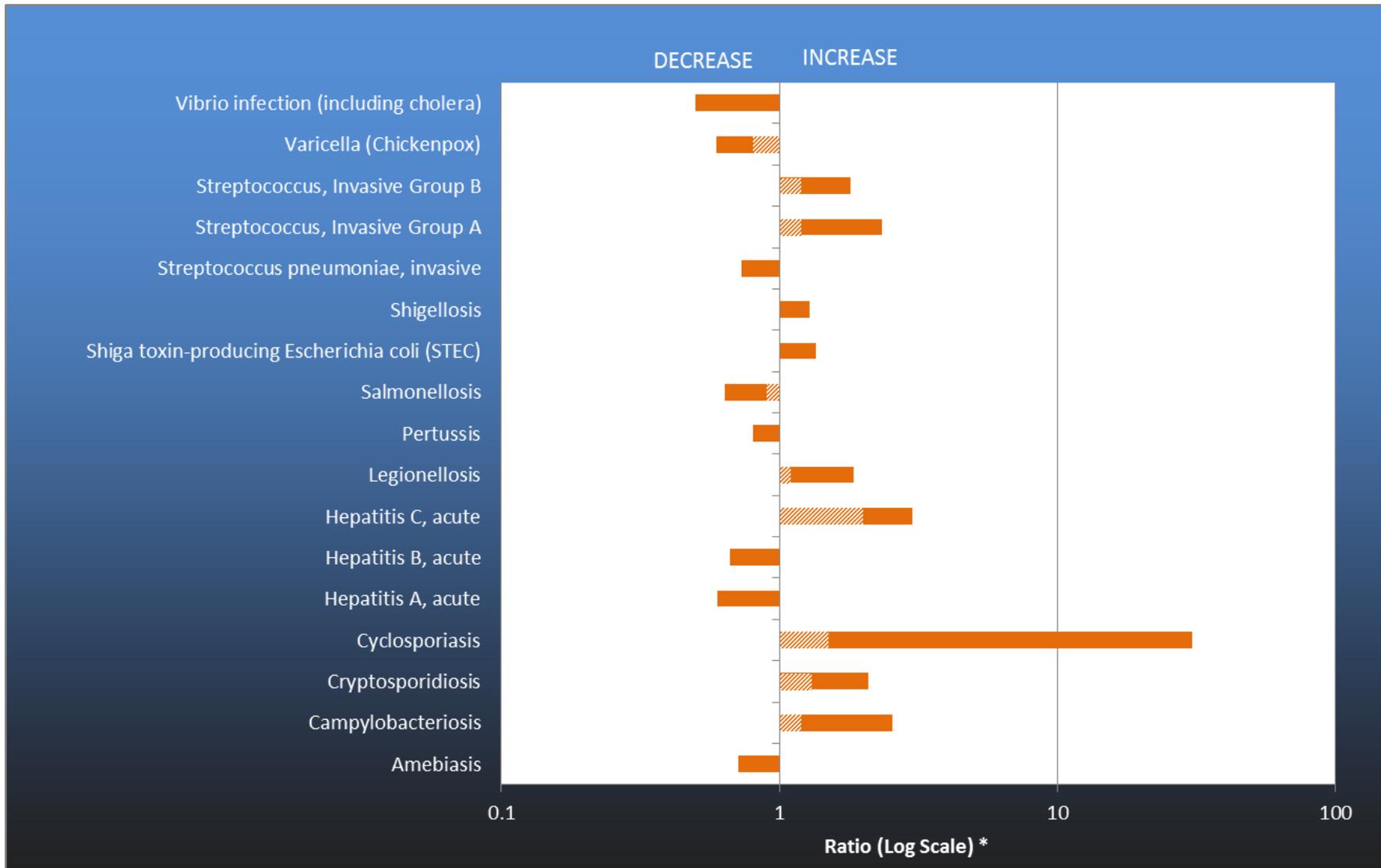
Disease	July 2015	January – July 2015	5-Year Monthly Median †	Total Cases in Previous Years					Counties Reporting during July 2015 (Counts)
				2014	2013	2012	2011	2010	
Amebiasis	5	26	7	46	65	56	53	117	Dallas (3), Ellis (1), Tarrant (1)
Amebic meningitis and encephalitis	0	0	0	0	0	0	0	1	
Botulism (adult and infant)	0	0	0	1	2	0	1	1	
Campylobacteriosis	148	500	58	657	606	572	438	374	Collin (11), Cooke (2), Dallas (55), Denton (15), Ellis (4), Erath (1), Hood (1), Hunt (1), Johnson (11), Kaufman (1), Navarro (1), Palo Pinto (5), Parker (5), Rockwall (2), Tarrant (31), Wise (2)
Creutzfeldt-Jakob Disease (CJD)	0	1	0	9	1	6	2	10	
Cryptosporidiosis	25	66	12	97	128	98	126	164	Collin (5), Dallas (10), Denton (2), Grayson (1), Hunt (1), Rockwall (1), Tarrant (5)
Cyclosporiasis	61	77	2	118	183	13	9	8	Collin (12), Dallas (20), Denton (11), Ellis (3), Hood (1), Johnson (2), Parker (3), Rockwall (1), Tarrant (8)
Diphtheria	0	0	0	0	0	0	0	0	
<i>Haemophilus influenzae</i> , invasive	0	1	0	3	0	2	1	2	
Hepatitis A, acute	3	23	5	27	27	62	55	64	Dallas (1), Denton (1), Tarrant (1)
Hepatitis B, acute	2	17	3	22	24	38	42	130	Denton (1), Johnson (1)
Hepatitis B, perinatal	0	0	0	1	1	1	1	1	
Hepatitis C, acute	3	13	1	19	11	20	8	8	Dallas (3)
Hepatitis E, acute	0	0	0	5	4	4	7	7	
Influenza-associated pediatric mortality	0	3	0	5	2	5	5	2	
Legionellosis	13	72	7	105	68	59	52	69	Collin (1), Cooke (1), Dallas (5), Kaufman (1), Tarrant (4), Wise (1)

Disease	July 2015	January - July 2015	5-Year Monthly Median †	Total Cases in Previous Years					Counties Reporting during July 2015 (Counts)
				2014	2013	2012	2011	2010	
Listeriosis	1	4	1	5	9	8	14	5	Dallas (1)
Measles	0	1	0	4	25	0	3	0	
MDROs†	19	162	0	206	0	0	0	0	Collin (1), Cooke (1), Dallas (9), Denton (2), Kaufman (1), Tarrant (4), Wise (1)
Mumps	0	2	0	5	1	5	7	12	
<i>Neisseria meningitidis</i> , invasive	0	2	0	5	13	13	10	13	
Pertussis	61	390	76	1,041	1,850	675	282	657	Collin (5), Dallas (8), Denton (7), Ellis (2), Erath (1), Grayson (1), Parker (1), Tarrant (35), Wise (1)
Poliomyelitis, acute paralytic	0	0	0	0	0	0	0	0	
Rubella (including congenital)	1	1	0	0	0	0	0	0	Tarrant (1)
Salmonellosis	86	547	135	1,137	1,142	1,245	1,208	1,275	Collin (6), Dallas (21), Denton (8), Ellis (2), Erath (2), Fannin (1), Hood (4), Johnson (2), Kaufman (2), Palo Pinto (3), Parker (2), Rockwall (3), Tarrant (28), Wise (2)
Shiga toxin-producing <i>Escherichia coli</i> (STEC)	19	108	14	222	162	125	145	148	Collin (2), Dallas (4), Denton (2), Hunt (1), Kaufman (1), Parker (1), Rockwall (1), Tarrant (6), Wise (1)
Shigellosis	76	336	59	739	667	376	676	630	Collin (17), Dallas (23), Denton (1), Ellis (5), Grayson (1), Johnson (1), Palo Pinto (1), Paker (1), Tarrant (26)
Smallpox	0	0	0	0	0	0	0	0	
<i>Streptococcus pneumoniae</i> , invasive	11	305	15	518	499	458	413	533	Collin (3), Dallas (6), Denton (1), Erath (1)
Streptococcus, Invasive Group A	21	127	9	202	118	104	152	111	Collin (1), Dallas (10), Denton (2), Hood (1), Palo Pinto (1), Parker (1), Tarrant (5)

Disease	July 2015	January - July 2015	5-Year Monthly Median †	Total Cases in Previous Years					Counties Reporting during July 2015 (Counts)
				2014	2013	2012	2011	2010	
Streptococcus, Invasive Group B	45	290	25	421	281	292	288	261	Collin (6), Dallas (21), Denton (4), Johnson (2), Kaufman (1), Parker (1), Rockwall (1), Tarrant (9)
Tetanus	0	0	0	1	0	0	1	0	
Typhoid Fever	1	3	1	9	7	8	11	10	Denton (1)
Varicella (Chickenpox)	19	235	32	499	513	614	710	783	Dallas (3), Denton (5), Hunt (1), Kaufman (1), Parker (1), Tarrant (8)
Vibrio infection (including cholera)	1	3	2	16	10	16	9	16	Somervell (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	621	3,321		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

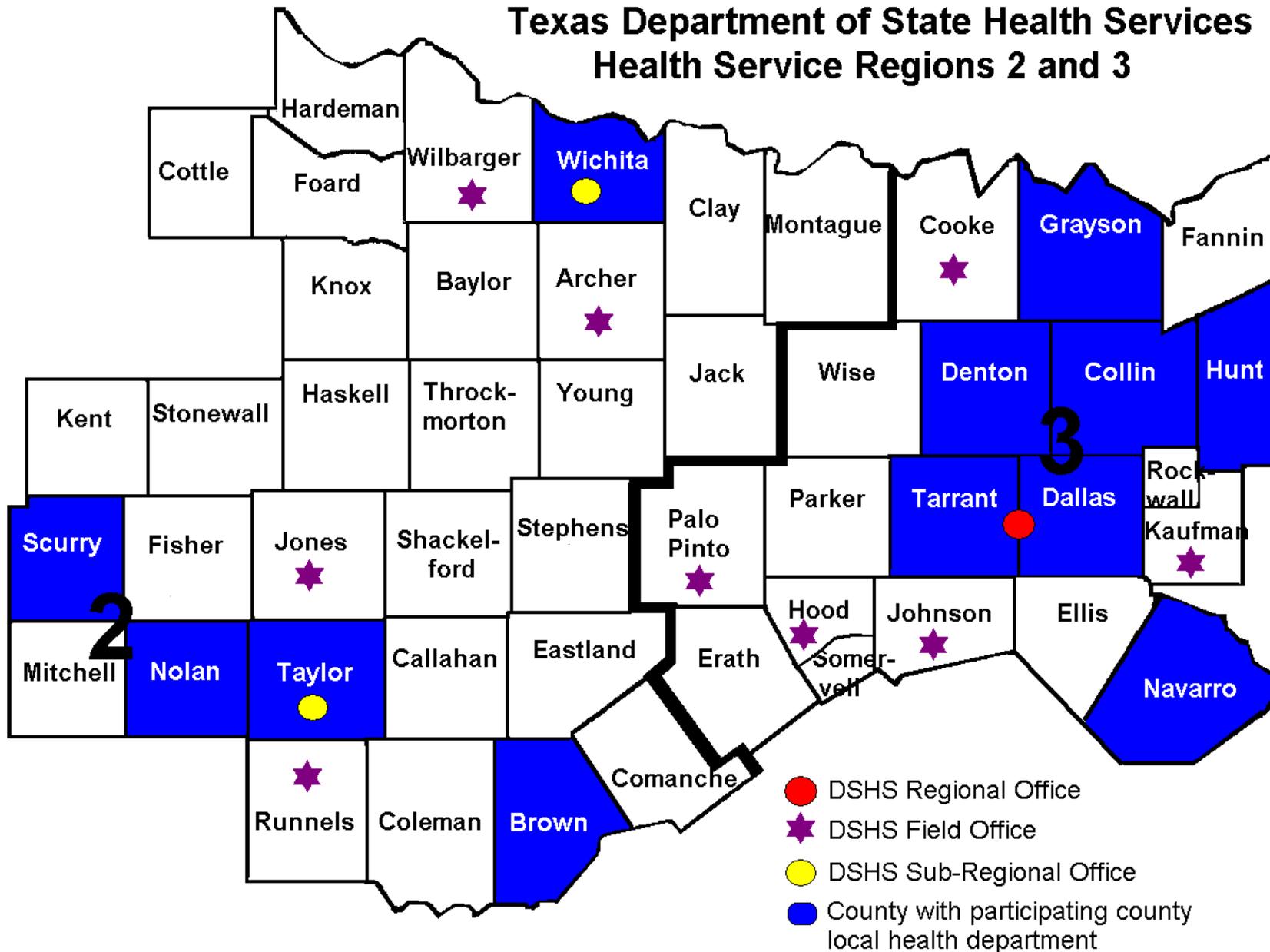
FIGURE II. Notifiable Diseases Exceeding Five-year Monthly Median for July 2015, Health Service Region 3



*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 graph 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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