

HEALTH SERVICE REGION 4 - 2016
CASES AND RATES (CASES PER 100,000 POPULATION¹)

COUNTY	2016 POP.	AMEBIASIS		ASCARIASIS		BOTULISM, INFANT		BRUCELLOSIS	
		CASES	RATES	CASES	RATES	CASES	RATES	CASES	RATES
ANDERSON	60,739	0	0.0	0	0.0	0	0.0	0	0.0
BOWIE	94,087	0	0.0	0	0.0	0	0.0	0	0.0
CAMP	13,611	0	0.0	0	0.0	0	0.0	0	0.0
CASS	31,473	0	0.0	0	0.0	0	0.0	0	0.0
CHEROKEE	54,785	0	0.0	1	1.8	0	0.0	0	0.0
DELTA	5,561	0	0.0	0	0.0	0	0.0	0	0.0
FRANKLIN	11,345	1	8.8	0	0.0	0	0.0	0	0.0
GREGG	130,315	0	0.0	0	0.0	0	0.0	0	0.0
HARRISON	69,524	0	0.0	0	0.0	0	0.0	0	0.0
HENDERSON	81,959	0	0.0	0	0.0	0	0.0	0	0.0
HOPKINS	37,105	0	0.0	0	0.0	0	0.0	0	0.0
LAMAR	51,822	0	0.0	0	0.0	0	0.0	0	0.0
MARION	11,151	0	0.0	0	0.0	0	0.0	0	0.0
MORRIS	13,529	0	0.0	0	0.0	0	0.0	0	0.0
PANOLA	25,122	0	0.0	0	0.0	0	0.0	0	0.0
RAINS	12,239	0	0.0	0	0.0	0	0.0	0	0.0
RED RIVER	13,286	0	0.0	0	0.0	0	0.0	0	0.0
RUSK	59,148	0	0.0	0	0.0	0	0.0	0	0.0
SMITH	229,067	0	0.0	0	0.0	2	61.7	1	0.4
TITUS	35,469	0	0.0	0	0.0	0	0.0	0	0.0
UPSHUR	42,803	0	0.0	0	0.0	0	0.0	0	0.0
VAN ZANDT	55,976	0	0.0	0	0.0	0	0.0	0	0.0
WOOD	46,000	0	0.0	0	0.0	0	0.0	0	0.0
REGIONAL TOTALS	1,186,116	1	0.1	1	0.1	2	13.1	1	0.1
STATEWIDE TOTALS	28,240,245	190	0.7	6	0.0	7	1.7	43	0.2

HEALTH SERVICE REGION 4 - 2016
CASES AND RATES (CASES PER 100,000 POPULATION¹)

COUNTY	2016 POP.	CAMPYLOBACTERIOSIS		CARBAPENEM-RESISTANT ENTEROBACTERIACEAE (CRE)		CHAGAS, CHRONIC INDETERMINATE		CHICKENPOX (VARICELLA)	
		CASES	RATES	CASES	RATES	CASES	RATES	CASES	RATES
ANDERSON	60,739	23	37.9	0	0.0	1	1.6	0	0.0
BOWIE	94,087	9	9.6	1	1.1	0	0.0	0	0.0
CAMP	13,611	0	0.0	0	0.0	0	0.0	0	0.0
CASS	31,473	2	6.4	1	3.2	0	0.0	0	0.0
CHEROKEE	54,785	4	7.3	0	0.0	0	0.0	0	0.0
DELTA	5,561	0	0.0	0	0.0	0	0.0	0	0.0
FRANKLIN	11,345	0	0.0	0	0.0	0	0.0	0	0.0
GREGG	130,315	12	9.2	7	5.4	0	0.0	7	5.4
HARRISON	69,524	3	4.3	1	1.4	0	0.0	0	0.0
HENDERSON	81,959	6	7.3	0	0.0	0	0.0	1	1.2
HOPKINS	37,105	10	27.0	0	0.0	0	0.0	0	0.0
LAMAR	51,822	3	5.8	1	1.9	0	0.0	2	3.9
MARION	11,151	0	0.0	2	17.9	0	0.0	0	0.0
MORRIS	13,529	2	14.8	1	7.4	0	0.0	0	0.0
PANOLA	25,122	1	4.0	0	0.0	0	0.0	0	0.0
RAINS	12,239	3	24.5	0	0.0	0	0.0	0	0.0
RED RIVER	13,286	1	7.5	0	0.0	0	0.0	0	0.0
RUSK	59,148	7	11.8	0	0.0	0	0.0	0	0.0
SMITH	229,067	30	13.1	3	1.3	0	0.0	6	2.6
TITUS	35,469	3	8.5	1	2.8	0	0.0	0	0.0
UPSHUR	42,803	8	18.7	1	2.3	0	0.0	0	0.0
VAN ZANDT	55,976	6	10.7	1	1.8	0	0.0	0	0.0
WOOD	46,000	13	28.3	2	4.3	0	0.0	1	2.2

REGIONAL TOTALS	1,186,116	146	12.3	22	1.9	1	0.1	17	1.4
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STATEWIDE TOTALS	28,240,245	4,667	16.5	1,240	4.4	19	0.1	1,341	4.7
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HEALTH SERVICE REGION 4 - 2016
CASES AND RATES (CASES PER 100,000 POPULATION¹)

COUNTY	2016 POP.	CRYPTOSPORIDIOSIS		CYCLOSPORIASIS		DENGUE		EHRlichia CHAFFEENSIS	
		CASES	RATES	CASES	RATES	CASES	RATES	CASES	RATES
ANDERSON	60,739	0	0.0	0	0.0	0	0.0	1	1.6
BOWIE	94,087	0	0.0	2	2.1	0	0.0	1	1.1
CAMP	13,611	0	0.0	0	0.0	0	0.0	0	0.0
CASS	31,473	0	0.0	0	0.0	0	0.0	0	0.0
CHEROKEE	54,785	0	0.0	0	0.0	0	0.0	0	0.0
DELTA	5,561	0	0.0	0	0.0	0	0.0	0	0.0
FRANKLIN	11,345	0	0.0	0	0.0	0	0.0	1	8.8
GREGG	130,315	1	0.8	0	0.0	1	0.8	0	0.0
HARRISON	69,524	1	1.4	0	0.0	0	0.0	0	0.0
HENDERSON	81,959	1	1.2	0	0.0	0	0.0	0	0.0
HOPKINS	37,105	0	0.0	0	0.0	0	0.0	0	0.0
LAMAR	51,822	1	1.9	0	0.0	0	0.0	0	0.0
MARION	11,151	0	0.0	0	0.0	0	0.0	0	0.0
MORRIS	13,529	0	0.0	0	0.0	0	0.0	0	0.0
PANOLA	25,122	0	0.0	0	0.0	0	0.0	0	0.0
RAINS	12,239	1	8.2	0	0.0	0	0.0	0	0.0
RED RIVER	13,286	0	0.0	0	0.0	0	0.0	0	0.0
RUSK	59,148	2	3.4	0	0.0	0	0.0	1	1.7
SMITH	229,067	3	1.3	0	0.0	0	0.0	0	0.0
TITUS	35,469	0	0.0	0	0.0	0	0.0	1	2.8
UPSHUR	42,803	0	0.0	0	0.0	0	0.0	0	0.0
VAN ZANDT	55,976	2	3.6	0	0.0	0	0.0	0	0.0
WOOD	46,000	0	0.0	0	0.0	0	0.0	0	0.0
REGIONAL TOTALS	1,186,116	12	1.0	2	0.2	1	0.1	5	0.4
STATEWIDE TOTALS	28,240,245	735	2.6	148	0.5	42	0.1	15	0.1

HEALTH SERVICE REGION 4 - 2016
CASES AND RATES (CASES PER 100,000 POPULATION¹)

COUNTY	2016 POP.	<i>ESCHERICHIA COLI, SHIGA TOXIN- PRODUCING (STEC)</i>		<i>HAEMOPHILUS INFLUENZAE, INVASIVE</i>		HEMOLYTIC UREMIC SYNDROME		HEPATITIS A, ACUTE	
		CASES	RATES	CASES	RATES	CASES	RATES	CASES	RATES
ANDERSON	60,739	0	0.0	0	0.0	0	0.0	0	0.0
BOWIE	94,087	5	5.3	0	0.0	0	0.0	0	0.0
CAMP	13,611	0	0.0	0	0.0	0	0.0	0	0.0
CASS	31,473	1	3.2	0	0.0	0	0.0	0	0.0
CHEROKEE	54,785	2	3.7	0	0.0	0	0.0	0	0.0
DELTA	5,561	1	18.0	0	0.0	0	0.0	0	0.0
FRANKLIN	11,345	1	8.8	0	0.0	0	0.0	0	0.0
GREGG	130,315	2	1.5	3	2.3	0	0.0	1	0.8
HARRISON	69,524	0	0.0	2	2.9	0	0.0	0	0.0
HENDERSON	81,959	3	3.7	5	6.1	0	0.0	1	1.2
HOPKINS	37,105	2	5.4	0	0.0	0	0.0	0	0.0
LAMAR	51,822	1	1.9	0	0.0	0	0.0	0	0.0
MARION	11,151	0	0.0	0	0.0	0	0.0	0	0.0
MORRIS	13,529	0	0.0	1	7.4	0	0.0	0	0.0
PANOLA	25,122	1	4.0	0	0.0	0	0.0	0	0.0
RAINS	12,239	1	8.2	0	0.0	0	0.0	0	0.0
RED RIVER	13,286	0	0.0	0	0.0	0	0.0	0	0.0
RUSK	59,148	2	3.4	0	0.0	0	0.0	0	0.0
SMITH	229,067	4	1.7	0	0.0	1	0.4	0	0.0
TITUS	35,469	0	0.0	0	0.0	0	0.0	0	0.0
UPSHUR	42,803	3	7.0	1	2.3	0	0.0	0	0.0
VAN ZANDT	55,976	1	1.8	2	3.6	0	0.0	0	0.0
WOOD	46,000	2	4.3	0	0.0	0	0.0	0	0.0
REGIONAL TOTALS	1,186,116	32	2.7	14	1.2	1	0.1	2	0.2
STATEWIDE TOTALS	28,240,245	1,015	3.6	317	1.1	14	0.0	139	0.5

**HEALTH SERVICE REGION 4 - 2016
CASES AND RATES (CASES PER 100,000 POPULATION¹)**

COUNTY	2016 POP.	HEPATITIS B, ACUTE		HEPATITIS C, ACUTE		LEGIONELLOSIS		LISTERIOSIS	
		CASES	RATES	CASES	RATES	CASES	RATES	CASES	RATES
ANDERSON	60,739	0	0.0	0	0.0	2	3.3	0	0.0
BOWIE	94,087	0	0.0	0	0.0	2	2.1	0	0.0
CAMP	13,611	0	0.0	0	0.0	0	0.0	0	0.0
CASS	31,473	0	0.0	0	0.0	0	0.0	0	0.0
CHEROKEE	54,785	0	0.0	0	0.0	2	3.7	0	0.0
DELTA	5,561	0	0.0	0	0.0	1	18.0	0	0.0
FRANKLIN	11,345	0	0.0	0	0.0	0	0.0	0	0.0
GREGG	130,315	0	0.0	1	0.8	0	0.0	0	0.0
HARRISON	69,524	0	0.0	0	0.0	0	0.0	0	0.0
HENDERSON	81,959	1	1.2	2	2.4	0	0.0	0	0.0
HOPKINS	37,105	1	2.7	0	0.0	2	5.4	1	2.7
LAMAR	51,822	0	0.0	1	1.9	0	0.0	0	0.0
MARION	11,151	0	0.0	0	0.0	0	0.0	0	0.0
MORRIS	13,529	0	0.0	0	0.0	0	0.0	0	0.0
PANOLA	25,122	0	0.0	0	0.0	0	0.0	0	0.0
RAINS	12,239	0	0.0	0	0.0	0	0.0	0	0.0
RED RIVER	13,286	0	0.0	0	0.0	0	0.0	1	7.5
RUSK	59,148	2	3.4	1	1.7	0	0.0	0	0.0
SMITH	229,067	2	0.9	0	0.0	8	3.5	0	0.0
TITUS	35,469	0	0.0	0	0.0	0	0.0	0	0.0
UPSHUR	42,803	0	0.0	0	0.0	0	0.0	0	0.0
VAN ZANDT	55,976	0	0.0	0	0.0	3	5.4	0	0.0
WOOD	46,000	0	0.0	0	0.0	3	6.5	0	0.0
REGIONAL TOTALS	1,186,116	6	0.5	5	0.4	23	1.9	2	0.2
STATEWIDE TOTALS	28,240,245	156	0.6	40	0.1	270	1.0	34	0.1

HEALTH SERVICE REGION 4 - 2016
CASES AND RATES (CASES PER 100,000 POPULATION¹)

COUNTY	2016 POP.	LYME DISEASE		MALARIA		MENINGOCOCCAL INFECTION		MULTIDRUG-RESISTANT ACINETOBACTER (MDR-A)	
		CASES	RATES	CASES	RATES	CASES	RATES	CASES	RATES
ANDERSON	60,739	0	0.0	0	0.0	0	0.0	1	1.6
BOWIE	94,087	0	0.0	0	0.0	0	0.0	14	14.9
CAMP	13,611	0	0.0	0	0.0	0	0.0	1	7.3
CASS	31,473	0	0.0	0	0.0	0	0.0	4	12.7
CHEROKEE	54,785	0	0.0	0	0.0	0	0.0	2	3.7
DELTA	5,561	0	0.0	0	0.0	0	0.0	0	0.0
FRANKLIN	11,345	0	0.0	0	0.0	0	0.0	0	0.0
GREGG	130,315	0	0.0	1	0.8	0	0.0	18	13.8
HARRISON	69,524	0	0.0	0	0.0	0	0.0	6	8.6
HENDERSON	81,959	1	1.2	0	0.0	0	0.0	1	1.2
HOPKINS	37,105	2	5.4	0	0.0	0	0.0	0	0.0
LAMAR	51,822	0	0.0	0	0.0	0	0.0	5	9.6
MARION	11,151	0	0.0	0	0.0	0	0.0	1	9.0
MORRIS	13,529	1	7.4	0	0.0	0	0.0	2	14.8
PANOLA	25,122	0	0.0	0	0.0	1	4.0	2	8.0
RAINS	12,239	0	0.0	0	0.0	0	0.0	2	16.3
RED RIVER	13,286	0	0.0	0	0.0	0	0.0	1	7.5
RUSK	59,148	0	0.0	0	0.0	0	0.0	1	1.7
SMITH	229,067	0	0.0	0	0.0	0	0.0	9	3.9
TITUS	35,469	0	0.0	0	0.0	0	0.0	1	2.8
UPSHUR	42,803	0	0.0	0	0.0	0	0.0	4	9.3
VAN ZANDT	55,976	0	0.0	1	1.8	0	0.0	2	3.6
WOOD	46,000	0	0.0	1	2.2	0	0.0	1	2.2
REGIONAL TOTALS	1,186,116	4	0.3	3	0.3	1	0.1	78	6.6
STATEWIDE TOTALS	28,240,245	71	0.3	159	0.6	23	0.1	1,006	3.6

**HEALTH SERVICE REGION 4 - 2016
CASES AND RATES (CASES PER 100,000 POPULATION¹)**

COUNTY	2016 POP.	PERTUSSIS		PRION DISEASES		SALMONELLOSIS		SHIGELLOSIS	
		CASES	RATES	CASES	RATES	CASES	RATES	CASES	RATES
ANDERSON	60,739	0	0.0	0	0.0	25	41.2	3	4.9
BOWIE	94,087	0	0.0	0	0.0	19	20.2	13	13.8
CAMP	13,611	0	0.0	0	0.0	3	22.0	2	14.7
CASS	31,473	0	0.0	0	0.0	7	22.2	2	6.4
CHEROKEE	54,785	0	0.0	0	0.0	9	16.4	1	1.8
DELTA	5,561	0	0.0	0	0.0	2	36.0	0	0.0
FRANKLIN	11,345	0	0.0	0	0.0	3	26.4	0	0.0
GREGG	130,315	2	1.5	0	0.0	41	31.5	33	25.3
HARRISON	69,524	0	0.0	0	0.0	25	36.0	5	7.2
HENDERSON	81,959	2	2.4	0	0.0	16	19.5	14	17.1
HOPKINS	37,105	0	0.0	0	0.0	7	18.9	1	2.7
LAMAR	51,822	0	0.0	1	1.9	9	17.4	3	5.8
MARION	11,151	0	0.0	0	0.0	3	26.9	0	0.0
MORRIS	13,529	0	0.0	0	0.0	8	59.1	1	7.4
PANOLA	25,122	1	4.0	0	0.0	5	19.9	1	4.0
RAINS	12,239	0	0.0	0	0.0	2	16.3	1	8.2
RED RIVER	13,286	0	0.0	0	0.0	1	7.5	0	0.0
RUSK	59,148	0	0.0	0	0.0	11	18.6	15	25.4
SMITH	229,067	11	4.8	0	0.0	53	23.1	19	8.3
TITUS	35,469	0	0.0	0	0.0	7	19.7	1	2.8
UPSHUR	42,803	0	0.0	0	0.0	17	39.7	6	14.0
VAN ZANDT	55,976	2	3.6	0	0.0	12	21.4	27	48.2
WOOD	46,000	6	13.0	1	2.2	9	19.6	4	8.7
REGIONAL TOTALS	1,186,116	24	2.0	2	0.2	294	24.8	152	12.8
STATEWIDE TOTALS	28,240,245	1,286	4.6	32	0.1	5,901	20.9	4,386	15.5

**HEALTH SERVICE REGION 4 - 2016
CASES AND RATES (CASES PER 100,000 POPULATION¹)**

COUNTY	2016 POP.	SPOTTED FEVER GP RICKETTSIOSES		STREPTOCOCCUS, GROUP A		STREPTOCOCCUS, GROUP B		STREPTOCOCCUS PNEUMONIAE	
		CASES	RATES	CASES	RATES	CASES	RATES	CASES	RATES
ANDERSON	60,739	0	0.0	1	1.6	1	1.6	2	3.3
BOWIE	94,087	1	1.1	2	2.1	9	9.6	12	12.8
CAMP	13,611	0	0.0	0	0.0	0	0.0	0	0.0
CASS	31,473	1	3.2	1	3.2	5	15.9	4	12.7
CHEROKEE	54,785	0	0.0	0	0.0	1	1.8	0	0.0
DELTA	5,561	0	0.0	0	0.0	0	0.0	0	0.0
FRANKLIN	11,345	0	0.0	0	0.0	0	0.0	0	0.0
GREGG	130,315	0	0.0	4	3.1	9	6.9	15	11.5
HARRISON	69,524	0	0.0	1	1.4	6	8.6	9	12.9
HENDERSON	81,959	0	0.0	0	0.0	2	2.4	3	3.7
HOPKINS	37,105	0	0.0	0	0.0	1	2.7	2	5.4
LAMAR	51,822	1	1.9	1	1.9	3	5.8	7	13.5
MARION	11,151	0	0.0	0	0.0	0	0.0	2	17.9
MORRIS	13,529	0	0.0	0	0.0	1	7.4	1	7.4
PANOLA	25,122	0	0.0	1	4.0	1	4.0	0	0.0
RAINS	12,239	0	0.0	0	0.0	1	8.2	1	8.2
RED RIVER	13,286	0	0.0	1	7.5	0	0.0	1	7.5
RUSK	59,148	1	1.7	1	1.7	3	5.1	3	5.1
SMITH	229,067	1	0.4	1	0.4	6	2.6	5	2.2
TITUS	35,469	0	0.0	0	0.0	0	0.0	0	0.0
UPSHUR	42,803	0	0.0	2	4.7	5	11.7	1	2.3
VAN ZANDT	55,976	0	0.0	1	1.8	3	5.4	3	5.4
WOOD	46,000	0	0.0	0	0.0	0	0.0	4	8.7
REGIONAL TOTALS	1,186,116	5	0.4	17	1.4	57	4.8	75	6.3
STATEWIDE TOTALS	28,240,245	87	0.3	706	2.5	1,761	6.2	1,737	6.2

**HEALTH SERVICE REGION 4 - 2016
CASES AND RATES (CASES PER 100,000 POPULATION¹)**

COUNTY	2016 POP.	VIBRIO VULNIFICUS		VISA		WEST NILE FEVER		WEST NILE NEUROINVASIVE DISEASE	
		CASES	RATES	CASES	RATES	CASES	RATES	CASES	RATES
ANDERSON	60,739	0	0.0	0	0.0	0	0.0	1	1.6
BOWIE	94,087	0	0.0	0	0.0	2	2.1	0	0.0
CAMP	13,611	0	0.0	0	0.0	0	0.0	0	0.0
CASS	31,473	0	0.0	0	0.0	2	6.4	0	0.0
CHEROKEE	54,785	0	0.0	0	0.0	0	0.0	1	1.8
DELTA	5,561	0	0.0	0	0.0	0	0.0	0	0.0
FRANKLIN	11,345	0	0.0	0	0.0	0	0.0	1	8.8
GREGG	130,315	0	0.0	0	0.0	0	0.0	4	3.1
HARRISON	69,524	0	0.0	0	0.0	0	0.0	0	0.0
HENDERSON	81,959	0	0.0	1	1.2	0	0.0	4	4.9
HOPKINS	37,105	0	0.0	0	0.0	2	5.4	2	5.4
LAMAR	51,822	0	0.0	0	0.0	0	0.0	2	3.9
MARION	11,151	0	0.0	0	0.0	0	0.0	0	0.0
MORRIS	13,529	0	0.0	0	0.0	0	0.0	0	0.0
PANOLA	25,122	0	0.0	0	0.0	0	0.0	0	0.0
RAINS	12,239	0	0.0	0	0.0	0	0.0	1	8.2
RED RIVER	13,286	0	0.0	0	0.0	0	0.0	1	7.5
RUSK	59,148	0	0.0	0	0.0	0	0.0	3	5.1
SMITH	229,067	1	0.4	0	0.0	1	0.4	5	2.2
TITUS	35,469	0	0.0	0	0.0	1	2.8	0	0.0
UPSHUR	42,803	0	0.0	0	0.0	0	0.0	1	2.3
VAN ZANDT	55,976	0	0.0	0	0.0	2	3.6	3	5.4
WOOD	46,000	0	0.0	0	0.0	3	6.5	1	2.2
REGIONAL TOTALS	1,186,116	1	0.1	1	0.1	13	1.1	30	2.5
STATEWIDE TOTALS	28,240,245	36	0.1	13	0.0	118	0.4	252	0.9

**HEALTH SERVICE REGION 4 - 2016
CASES AND RATES (CASES PER 100,000 POPULATION¹)**

COUNTY	2016 POP.	YERSINIOSIS		ZIKA VIRUS DISEASE	
		CASES	RATES	CASES	RATES
ANDERSON	60,739	0	0.0	0	0.0
BOWIE	94,087	2	2.1	0	0.0
CAMP	13,611	0	0.0	0	0.0
CASS	31,473	0	0.0	0	0.0
CHEROKEE	54,785	0	0.0	0	0.0
DELTA	5,561	0	0.0	0	0.0
FRANKLIN	11,345	0	0.0	0	0.0
GREGG	130,315	0	0.0	1	0.8
HARRISON	69,524	1	1.4	0	0.0
HENDERSON	81,959	0	0.0	0	0.0
HOPKINS	37,105	0	0.0	0	0.0
LAMAR	51,822	0	0.0	0	0.0
MARION	11,151	1	9.0	0	0.0
MORRIS	13,529	0	0.0	0	0.0
PANOLA	25,122	0	0.0	0	0.0
RAINS	12,239	0	0.0	0	0.0
RED RIVER	13,286	0	0.0	0	0.0
RUSK	59,148	0	0.0	1	1.7
SMITH	229,067	0	0.0	1	0.4
TITUS	35,469	0	0.0	0	0.0
UPSHUR	42,803	0	0.0	1	2.3
VAN ZANDT	55,976	0	0.0	0	0.0
WOOD	46,000	0	0.0	0	0.0
REGIONAL TOTALS	1,186,116	4	0.3	4	0.3
STATEWIDE TOTALS	28,240,245	58	0.2	315	1.1

¹ DSHS Center for Health Statistics projected 2016 Texas population data <https://www.dshs.texas.gov/chs/popdat/ST2016p.shtm> accessed 09/13/2016.