

**HEALTH SERVICE REGION 4 - 2017  
CASES AND RATES (CASES PER 100,000 POPULATION<sup>1</sup>)**

COUNTY	2017 POP.	AMEBIASIS		ANAPLASMA PHAGOCYTOPHILUM		ANCYLOSTOMIASIS (HOOKWORM)		ASCARIASIS	
		CASES	RATES	CASES	RATES	CASES	RATES	CASES	RATES
ANDERSON	61,127	0	0.0	0	0.0	0	0.0	0	0.0
BOWIE	94,325	0	0.0	0	0.0	0	0.0	0	0.0
CAMP	13,809	0	0.0	0	0.0	0	0.0	0	0.0
CASS	31,624	0	0.0	0	0.0	0	0.0	0	0.0
CHEROKEE	55,487	0	0.0	0	0.0	0	0.0	0	0.0
DELTA	5,623	0	0.0	0	0.0	0	0.0	0	0.0
FRANKLIN	11,470	0	0.0	0	0.0	0	0.0	0	0.0
GREGG	131,827	1	0.8	0	0.0	0	0.0	1	0.8
HARRISON	70,179	0	0.0	0	0.0	0	0.0	0	0.0
HENDERSON	82,521	0	0.0	0	0.0	0	0.0	0	0.0
HOPKINS	37,465	0	0.0	0	0.0	0	0.0	0	0.0
LAMAR	52,162	0	0.0	0	0.0	0	0.0	0	0.0
MARION	11,220	0	0.0	0	0.0	0	0.0	0	0.0
MORRIS	13,625	0	0.0	0	0.0	0	0.0	0	0.0
PANOLA	25,325	0	0.0	0	0.0	0	0.0	0	0.0
RAINS	12,461	0	0.0	0	0.0	0	0.0	0	0.0
RED RIVER	13,345	0	0.0	0	0.0	0	0.0	0	0.0
RUSK	60,164	0	0.0	0	0.0	0	0.0	0	0.0
SMITH	232,478	0	0.0	0	0.0	0	0.0	1	0.4
TITUS	36,032	0	0.0	0	0.0	0	0.0	0	0.0
UPSHUR	43,368	0	0.0	0	0.0	0	0.0	0	0.0
VAN ZANDT	56,528	0	0.0	0	0.0	0	0.0	0	0.0
WOOD	46,650	0	0.0	0	0.0	0	0.0	0	0.0
<b>REGIONAL TOTALS</b>	<b>1,198,815</b>	<b>1</b>	<b>0.1</b>	<b>0</b>	<b>0.0</b>	<b>0</b>	<b>0.0</b>	<b>2</b>	<b>0.2</b>
<b>STATEWIDE TOTALS</b>	<b>28,797,290</b>	<b>147</b>	<b>0.5</b>	<b>2</b>	<b>0.0</b>	<b>10</b>	<b>0.0</b>	<b>75</b>	<b>0.3</b>

**HEALTH SERVICE REGION 4 - 2017**  
**CASES AND RATES (CASES PER 100,000 POPULATION<sup>1</sup>)**

COUNTY	2017 POP.	BOTULISM, INFANT <sup>2</sup>		BRUCELLOSIS		CAMPYLOBACTERIOSIS		CARBAPENEM- RESISTANT ENTEROBACTERIACEAE (CRE)	
		CASES	RATES	CASES	RATES	CASES	RATES	CASES	RATES
ANDERSON	61,127	0	0.0	0	0.0	22	36.0	0	0.0
BOWIE	94,325	0	0.0	0	0.0	6	6.4	5	5.3
CAMP	13,809	0	0.0	0	0.0	2	14.5	0	0.0
CASS	31,624	0	0.0	0	0.0	2	6.3	0	0.0
CHEROKEE	55,487	0	0.0	0	0.0	7	12.6	1	1.8
DELTA	5,623	0	0.0	0	0.0	1	17.8	0	0.0
FRANKLIN	11,470	0	0.0	0	0.0	1	8.7	1	8.7
GREGG	131,827	0	0.0	0	0.0	17	12.9	5	3.8
HARRISON	70,179	1	109.9	0	0.0	3	4.3	2	2.8
HENDERSON	82,521	0	0.0	0	0.0	9	10.9	0	0.0
HOPKINS	37,465	0	0.0	0	0.0	5	13.3	0	0.0
LAMAR	52,162	0	0.0	0	0.0	4	7.7	1	1.9
MARION	11,220	0	0.0	0	0.0	1	8.9	0	0.0
MORRIS	13,625	0	0.0	0	0.0	2	14.7	1	7.3
PANOLA	25,325	0	0.0	0	0.0	2	7.9	1	3.9
RAINS	12,461	0	0.0	0	0.0	2	16.1	0	0.0
RED RIVER	13,345	0	0.0	0	0.0	2	15.0	1	7.5
RUSK	60,164	0	0.0	0	0.0	2	3.3	3	5.0
SMITH	232,478	0	0.0	1	0.4	44	18.9	1	0.4
TITUS	36,032	1	169.2	0	0.0	2	5.6	0	0.0
UPSHUR	43,368	0	0.0	0	0.0	9	20.8	0	0.0
VAN ZANDT	56,528	0	0.0	0	0.0	12	21.2	1	1.8
WOOD	46,650	1	214.6	0	0.0	13	27.9	0	0.0
<b>REGIONAL TOTALS</b>	<b>1,198,815</b>	<b>3</b>	<b>19.5</b>	<b>1</b>	<b>0.1</b>	<b>170</b>	<b>14.2</b>	<b>23</b>	<b>1.9</b>
<b>STATEWIDE TOTALS</b>	<b>28,797,290</b>	<b>8</b>	<b>1.9</b>	<b>26</b>	<b>0.1</b>	<b>5,449</b>	<b>18.9</b>	<b>1,139</b>	<b>4.0</b>

**HEALTH SERVICE REGION 4 - 2017  
CASES AND RATES (CASES PER 100,000 POPULATION<sup>1</sup>)**

COUNTY	2017 POP.	CHAGAS, CHRONIC INDETERMINATE		CHAGAS, CHRONIC SYMPTOMATIC		CHICKENPOX (VARICELLA)		CHIKUNGUNYA	
		CASES	RATES	CASES	RATES	CASES	RATES	CASES	RATES
ANDERSON	61,127	0	0.0	0	0.0	1	1.6	0	0.0
BOWIE	94,325	0	0.0	0	0.0	0	0.0	0	0.0
CAMP	13,809	0	0.0	0	0.0	0	0.0	0	0.0
CASS	31,624	0	0.0	0	0.0	0	0.0	0	0.0
CHEROKEE	55,487	0	0.0	0	0.0	1	1.8	0	0.0
DELTA	5,623	0	0.0	0	0.0	0	0.0	0	0.0
FRANKLIN	11,470	0	0.0	0	0.0	1	8.7	0	0.0
GREGG	131,827	0	0.0	0	0.0	4	3.0	0	0.0
HARRISON	70,179	0	0.0	0	0.0	0	0.0	0	0.0
HENDERSON	82,521	1	1.2	0	0.0	1	1.2	0	0.0
HOPKINS	37,465	0	0.0	0	0.0	0	0.0	0	0.0
LAMAR	52,162	0	0.0	0	0.0	1	1.9	0	0.0
MARION	11,220	0	0.0	0	0.0	0	0.0	0	0.0
MORRIS	13,625	0	0.0	0	0.0	0	0.0	0	0.0
PANOLA	25,325	0	0.0	0	0.0	0	0.0	0	0.0
RAINS	12,461	0	0.0	0	0.0	1	8.0	0	0.0
RED RIVER	13,345	0	0.0	0	0.0	0	0.0	0	0.0
RUSK	60,164	0	0.0	0	0.0	0	0.0	0	0.0
SMITH	232,478	0	0.0	0	0.0	7	3.0	0	0.0
TITUS	36,032	0	0.0	0	0.0	0	0.0	0	0.0
UPSHUR	43,368	0	0.0	0	0.0	0	0.0	0	0.0
VAN ZANDT	56,528	0	0.0	0	0.0	1	1.8	0	0.0
WOOD	46,650	0	0.0	0	0.0	0	0.0	0	0.0
REGIONAL TOTALS	1,198,815	1	0.1	0	0.0	18	1.5	0	0.0
STATEWIDE TOTALS	28,797,290	25	0.1	8	0.0	1,146	4.0	15	0.1

**HEALTH SERVICE REGION 4 - 2017  
CASES AND RATES (CASES PER 100,000 POPULATION<sup>1</sup>)**

COUNTY	2017 POP.	CRYPTOSPORIDIOSIS		CYCLOSPORIASIS		CYSTICERCOSIS		DENGUE	
		CASES	RATES	CASES	RATES	CASES	RATES	CASES	RATES
ANDERSON	61,127	0	0.0	0	0.0	0	0.0	0	0.0
BOWIE	94,325	4	4.2	1	1.1	0	0.0	0	0.0
CAMP	13,809	0	0.0	0	0.0	0	0.0	0	0.0
CASS	31,624	0	0.0	0	0.0	0	0.0	0	0.0
CHEROKEE	55,487	0	0.0	0	0.0	0	0.0	0	0.0
DELTA	5,623	0	0.0	0	0.0	0	0.0	0	0.0
FRANKLIN	11,470	0	0.0	0	0.0	0	0.0	0	0.0
GREGG	131,827	1	0.8	1	0.8	0	0.0	0	0.0
HARRISON	70,179	0	0.0	0	0.0	0	0.0	0	0.0
HENDERSON	82,521	0	0.0	0	0.0	0	0.0	0	0.0
HOPKINS	37,465	0	0.0	0	0.0	0	0.0	0	0.0
LAMAR	52,162	4	7.7	0	0.0	0	0.0	0	0.0
MARION	11,220	0	0.0	0	0.0	0	0.0	0	0.0
MORRIS	13,625	0	0.0	0	0.0	0	0.0	0	0.0
PANOLA	25,325	1	3.9	1	3.9	0	0.0	0	0.0
RAINS	12,461	0	0.0	1	8.0	0	0.0	0	0.0
RED RIVER	13,345	0	0.0	1	7.5	0	0.0	0	0.0
RUSK	60,164	0	0.0	0	0.0	0	0.0	0	0.0
SMITH	232,478	1	0.4	0	0.0	0	0.0	1	0.4
TITUS	36,032	0	0.0	0	0.0	0	0.0	0	0.0
UPSHUR	43,368	0	0.0	0	0.0	0	0.0	0	0.0
VAN ZANDT	56,528	2	3.5	0	0.0	1	1.8	0	0.0
WOOD	46,650	0	0.0	1	2.1	0	0.0	0	0.0
REGIONAL TOTALS	1,198,815	13	1.1	6	0.5	1	0.1	1	0.1
STATEWIDE TOTALS	28,797,290	1,157	4.0	319	1.1	10	0.0	40	0.1

**HEALTH SERVICE REGION 4 - 2017**  
**CASES AND RATES (CASES PER 100,000 POPULATION<sup>1</sup>)**

COUNTY	2017 POP.	DENGUE, SEVERE		DENGUE-LIKE ILLNESS		EHRlichia CHAFFEENSIS		ESCHERICHIA COLI, SHIGA TOXIN-PRODUCING (STEC)	
		CASES	RATES	CASES	RATES	CASES	RATES	CASES	RATES
ANDERSON	61,127	0	0.0	0	0.0	1	1.6	1	1.6
BOWIE	94,325	0	0.0	0	0.0	1	1.1	7	7.4
CAMP	13,809	0	0.0	0	0.0	1	7.2	0	0.0
CASS	31,624	0	0.0	0	0.0	0	0.0	2	6.3
CHEROKEE	55,487	0	0.0	0	0.0	0	0.0	0	0.0
DELTA	5,623	0	0.0	0	0.0	0	0.0	0	0.0
FRANKLIN	11,470	0	0.0	0	0.0	0	0.0	0	0.0
GREGG	131,827	0	0.0	0	0.0	0	0.0	1	0.8
HARRISON	70,179	0	0.0	0	0.0	0	0.0	1	1.4
HENDERSON	82,521	0	0.0	0	0.0	1	1.2	3	3.6
HOPKINS	37,465	0	0.0	0	0.0	0	0.0	2	5.3
LAMAR	52,162	0	0.0	0	0.0	0	0.0	0	0.0
MARION	11,220	0	0.0	0	0.0	0	0.0	0	0.0
MORRIS	13,625	0	0.0	0	0.0	0	0.0	0	0.0
PANOLA	25,325	0	0.0	0	0.0	0	0.0	0	0.0
RAINS	12,461	0	0.0	0	0.0	0	0.0	0	0.0
RED RIVER	13,345	0	0.0	0	0.0	0	0.0	1	7.5
RUSK	60,164	0	0.0	0	0.0	0	0.0	1	1.7
SMITH	232,478	0	0.0	0	0.0	0	0.0	1	0.4
TITUS	36,032	0	0.0	0	0.0	0	0.0	0	0.0
UPSHUR	43,368	0	0.0	0	0.0	0	0.0	1	2.3
VAN ZANDT	56,528	0	0.0	0	0.0	0	0.0	3	5.3
WOOD	46,650	0	0.0	0	0.0	2	4.3	4	8.6
REGIONAL TOTALS	1,198,815	0	0.0	0	0.0	6	0.5	28	2.3
STATEWIDE TOTALS	28,240,245	1	0.0	2	0.0	17	0.1	1,131	3.9

**HEALTH SERVICE REGION 4 - 2017**  
**CASES AND RATES (CASES PER 100,000 POPULATION<sup>1</sup>)**

COUNTY	2017 POP.	HAEMOPHILUS INFLUENZAE, INVASIVE		HANTAVIRUS PULMONARY SYNDROME		HEMOLYTIC UREMIC SYNDROME		HEPATITIS A, ACUTE	
		CASES	RATES	CASES	RATES	CASES	RATES	CASES	RATES
ANDERSON	61,127	1	1.6	0	0.0	0	0.0	0	0.0
BOWIE	94,325	4	4.2	0	0.0	0	0.0	0	0.0
CAMP	13,809	0	0.0	0	0.0	0	0.0	0	0.0
CASS	31,624	0	0.0	0	0.0	0	0.0	0	0.0
CHEROKEE	55,487	0	0.0	0	0.0	0	0.0	0	0.0
DELTA	5,623	0	0.0	0	0.0	0	0.0	0	0.0
FRANKLIN	11,470	0	0.0	0	0.0	0	0.0	0	0.0
GREGG	131,827	1	0.8	0	0.0	0	0.0	0	0.0
HARRISON	70,179	1	1.4	0	0.0	0	0.0	0	0.0
HENDERSON	82,521	1	1.2	0	0.0	0	0.0	0	0.0
HOPKINS	37,465	0	0.0	0	0.0	0	0.0	0	0.0
LAMAR	52,162	1	1.9	0	0.0	0	0.0	1	1.9
MARION	11,220	0	0.0	0	0.0	0	0.0	0	0.0
MORRIS	13,625	0	0.0	0	0.0	0	0.0	0	0.0
PANOLA	25,325	0	0.0	0	0.0	0	0.0	0	0.0
RAINS	12,461	0	0.0	0	0.0	0	0.0	0	0.0
RED RIVER	13,345	0	0.0	0	0.0	0	0.0	0	0.0
RUSK	60,164	1	1.7	0	0.0	0	0.0	0	0.0
SMITH	232,478	4	1.7	0	0.0	0	0.0	0	0.0
TITUS	36,032	0	0.0	0	0.0	0	0.0	0	0.0
UPSHUR	43,368	2	4.6	0	0.0	0	0.0	0	0.0
VAN ZANDT	56,528	0	0.0	0	0.0	0	0.0	0	0.0
WOOD	46,650	0	0.0	0	0.0	2	4.3	0	0.0
REGIONAL TOTALS	1,198,815	16	1.3	0	0.0	2	0.2	1	0.1
STATEWIDE TOTALS	28,797,290	403	1.4	2	0.0	24	0.1	129	0.4

**HEALTH SERVICE REGION 4 - 2017  
CASES AND RATES (CASES PER 100,000 POPULATION<sup>1</sup>)**

COUNTY	2017 POP.	HEPATITIS B, ACUTE		HEPATITIS B, PERINATAL (AGE <24 MONTHS) <sup>3</sup>		HEPATITIS C, ACUTE		HEPATITIS E, ACUTE	
		CASES	RATES	CASES	RATES	CASES	RATES	CASES	RATES
ANDERSON	61,127	0	0.0	0	0.0	0	0.0	0	0.0
BOWIE	94,325	0	0.0	0	0.0	0	0.0	0	0.0
CAMP	13,809	0	0.0	0	0.0	0	0.0	0	0.0
CASS	31,624	0	0.0	0	0.0	0	0.0	0	0.0
CHEROKEE	55,487	0	0.0	0	0.0	1	1.8	0	0.0
DELTA	5,623	1	17.8	0	0.0	0	0.0	0	0.0
FRANKLIN	11,470	0	0.0	0	0.0	0	0.0	0	0.0
GREGG	131,827	1	0.8	0	0.0	0	0.0	0	0.0
HARRISON	70,179	0	0.0	0	0.0	0	0.0	0	0.0
HENDERSON	82,521	0	0.0	0	0.0	1	1.2	0	0.0
HOPKINS	37,465	0	0.0	0	0.0	0	0.0	0	0.0
LAMAR	52,162	2	3.8	0	0.0	2	3.8	0	0.0
MARION	11,220	0	0.0	0	0.0	0	0.0	0	0.0
MORRIS	13,625	0	0.0	0	0.0	0	0.0	0	0.0
PANOLA	25,325	0	0.0	0	0.0	0	0.0	0	0.0
RAINS	12,461	0	0.0	0	0.0	0	0.0	0	0.0
RED RIVER	13,345	0	0.0	0	0.0	0	0.0	0	0.0
RUSK	60,164	0	0.0	0	0.0	0	0.0	0	0.0
SMITH	232,478	0	0.0	0	0.0	2	0.9	0	0.0
TITUS	36,032	0	0.0	0	0.0	0	0.0	0	0.0
UPSHUR	43,368	1	2.3	0	0.0	1	2.3	0	0.0
VAN ZANDT	56,528	0	0.0	0	0.0	0	0.0	0	0.0
WOOD	46,650	0	0.0	0	0.0	0	0.0	0	0.0
<b>REGIONAL TOTALS</b>	<b>1,198,815</b>	<b>5</b>	<b>0.4</b>	<b>0</b>	<b>0.0</b>	<b>7</b>	<b>0.6</b>	<b>0</b>	<b>0.0</b>
<b>STATEWIDE TOTALS</b>	<b>28,797,290</b>	<b>106</b>	<b>0.4</b>	<b>2</b>	<b>0.2</b>	<b>56</b>	<b>0.2</b>	<b>20</b>	<b>0.1</b>

**HEALTH SERVICE REGION 4 - 2017**  
**CASES AND RATES (CASES PER 100,000 POPULATION<sup>1</sup>)**

COUNTY	2017 POP.	INFLUENZA, NOVEL A		INFLUENZA-ASSOCIATED PEDIATRIC MORTALITY <sup>4</sup>		LEGIONELLOSIS		LEISHMANIASIS	
		CASES	RATES	CASES	RATES	CASES	RATES	CASES	RATES
ANDERSON	61,127	0	0.0	0	0.0	0	0.0	0	0.0
BOWIE	94,325	0	0.0	0	0.0	2	2.1	0	0.0
CAMP	13,809	0	0.0	0	0.0	0	0.0	0	0.0
CASS	31,624	0	0.0	0	0.0	0	0.0	0	0.0
CHEROKEE	55,487	0	0.0	0	0.0	0	0.0	0	0.0
DELTA	5,623	0	0.0	0	0.0	0	0.0	0	0.0
FRANKLIN	11,470	0	0.0	0	0.0	0	0.0	0	0.0
GREGG	131,827	0	0.0	0	0.0	1	0.8	0	0.0
HARRISON	70,179	0	0.0	0	0.0	1	1.4	0	0.0
HENDERSON	82,521	0	0.0	0	0.0	1	1.2	0	0.0
HOPKINS	37,465	0	0.0	0	0.0	0	0.0	0	0.0
LAMAR	52,162	0	0.0	0	0.0	1	1.9	0	0.0
MARION	11,220	0	0.0	0	0.0	0	0.0	0	0.0
MORRIS	13,625	0	0.0	0	0.0	0	0.0	0	0.0
PANOLA	25,325	0	0.0	0	0.0	0	0.0	0	0.0
RAINS	12,461	0	0.0	0	0.0	1	8.0	0	0.0
RED RIVER	13,345	0	0.0	0	0.0	0	0.0	0	0.0
RUSK	60,164	0	0.0	0	0.0	1	1.7	0	0.0
SMITH	232,478	0	0.0	0	0.0	16	6.9	0	0.0
TITUS	36,032	0	0.0	0	0.0	1	2.8	0	0.0
UPSHUR	43,368	0	0.0	0	0.0	0	0.0	0	0.0
VAN ZANDT	56,528	0	0.0	0	0.0	3	5.3	0	0.0
WOOD	46,650	0	0.0	1	11.3	3	6.4	0	0.0
<b>REGIONAL TOTALS</b>	<b>1,198,815</b>	<b>0</b>	<b>0.0</b>	<b>1</b>	<b>0.4</b>	<b>31</b>	<b>2.6</b>	<b>0</b>	<b>0.0</b>
<b>STATEWIDE TOTALS</b>	<b>28,797,290</b>	<b>1</b>	<b>0.0</b>	<b>12</b>	<b>0.2</b>	<b>327</b>	<b>1.1</b>	<b>8</b>	<b>0.0</b>



**HEALTH SERVICE REGION 4 - 2017**  
**CASES AND RATES (CASES PER 100,000 POPULATION<sup>1</sup>)**

COUNTY	2017 POP.	LISTERIOSIS		LYME DISEASE		MALARIA		MEASLES	
		CASES	RATES	CASES	RATES	CASES	RATES	CASES	RATES
ANDERSON	61,127	0	0.0	0	0.0	0	0.0	0	0.0
BOWIE	94,325	1	1.1	1	1.1	0	0.0	0	0.0
CAMP	13,809	0	0.0	0	0.0	0	0.0	0	0.0
CASS	31,624	0	0.0	1	3.2	0	0.0	0	0.0
CHEROKEE	55,487	0	0.0	0	0.0	0	0.0	0	0.0
DELTA	5,623	0	0.0	0	0.0	0	0.0	0	0.0
FRANKLIN	11,470	0	0.0	0	0.0	0	0.0	0	0.0
GREGG	131,827	0	0.0	0	0.0	0	0.0	0	0.0
HARRISON	70,179	1	1.4	0	0.0	0	0.0	0	0.0
HENDERSON	82,521	0	0.0	0	0.0	0	0.0	0	0.0
HOPKINS	37,465	0	0.0	0	0.0	0	0.0	0	0.0
LAMAR	52,162	1	1.9	1	1.9	0	0.0	0	0.0
MARION	11,220	0	0.0	0	0.0	0	0.0	0	0.0
MORRIS	13,625	0	0.0	0	0.0	0	0.0	0	0.0
PANOLA	25,325	0	0.0	0	0.0	0	0.0	0	0.0
RAINS	12,461	0	0.0	0	0.0	0	0.0	0	0.0
RED RIVER	13,345	0	0.0	0	0.0	0	0.0	0	0.0
RUSK	60,164	0	0.0	0	0.0	0	0.0	0	0.0
SMITH	232,478	0	0.0	0	0.0	3	1.3	0	0.0
TITUS	36,032	0	0.0	0	0.0	0	0.0	0	0.0
UPSHUR	43,368	0	0.0	0	0.0	0	0.0	0	0.0
VAN ZANDT	56,528	0	0.0	0	0.0	0	0.0	0	0.0
WOOD	46,650	0	0.0	0	0.0	0	0.0	0	0.0
REGIONAL TOTALS	1,198,815	3	0.3	3	0.3	3	0.3	0	0.0
STATEWIDE TOTALS	28,797,290	42	0.1	66	0.2	158	0.5	1	0.0

**HEALTH SERVICE REGION 4 - 2017  
CASES AND RATES (CASES PER 100,000 POPULATION<sup>1</sup>)**

COUNTY	2017 POP.	MENINGOCOCCAL INFECTION		MULTIDRUG-RESISTANT ACINETOBACTER (MDR-A)		MUMPS		PERTUSSIS	
		CASES	RATES	CASES	RATES	CASES	RATES	CASES	RATES
ANDERSON	61,127	0	0.0	1	1.6	3	4.9	1	1.6
BOWIE	94,325	0	0.0	8	8.5	0	0.0	1	1.1
CAMP	13,809	0	0.0	0	0.0	0	0.0	1	7.2
CASS	31,624	0	0.0	3	9.5	0	0.0	0	0.0
CHEROKEE	55,487	0	0.0	1	1.8	0	0.0	7	12.6
DELTA	5,623	0	0.0	0	0.0	0	0.0	0	0.0
FRANKLIN	11,470	0	0.0	0	0.0	0	0.0	0	0.0
GREGG	131,827	0	0.0	12	9.1	0	0.0	2	1.5
HARRISON	70,179	0	0.0	4	5.7	0	0.0	0	0.0
HENDERSON	82,521	0	0.0	3	3.6	0	0.0	4	4.8
HOPKINS	37,465	0	0.0	1	2.7	0	0.0	3	8.0
LAMAR	52,162	0	0.0	4	7.7	2	3.8	1	1.9
MARION	11,220	0	0.0	0	0.0	0	0.0	0	0.0
MORRIS	13,625	0	0.0	1	7.3	0	0.0	0	0.0
PANOLA	25,325	0	0.0	0	0.0	0	0.0	0	0.0
RAINS	12,461	0	0.0	1	8.0	0	0.0	1	8.0
RED RIVER	13,345	0	0.0	0	0.0	0	0.0	0	0.0
RUSK	60,164	0	0.0	3	5.0	0	0.0	2	3.3
SMITH	232,478	0	0.0	6	2.6	1	0.4	40	17.2
TITUS	36,032	0	0.0	0	0.0	0	0.0	0	0.0
UPSHUR	43,368	0	0.0	1	2.3	0	0.0	1	2.3
VAN ZANDT	56,528	0	0.0	1	1.8	0	0.0	1	1.8
WOOD	46,650	0	0.0	3	6.4	0	0.0	4	8.6
REGIONAL TOTALS	1,198,815	0	0.0	53	4.4	6	0.5	69	5.8
STATEWIDE TOTALS	28,797,290	17	0.1	1,144	4.0	470	1.6	1,765	6.1

**HEALTH SERVICE REGION 4 - 2017  
CASES AND RATES (CASES PER 100,000 POPULATION<sup>1</sup>)**

COUNTY	2017 POP.	Q FEVER, ACUTE		Q FEVER, CHRONIC		RICKETTSIA, UNSPECIFIED		RUBELLA		RUBELLA, CONGENITAL SYNDROME <sup>2</sup>	
		CASES	RATES	CASES	RATES	CASES	RATES	CASES	RATES	CASES	RATES
ANDERSON	61,127										
BOWIE	94,325										
CAMP	13,809										
CASS	31,624										
CHEROKEE	55,487										
DELTA	5,623										
FRANKLIN	11,470										
GREGG	131,827										
HARRISON	70,179										
HENDERSON	82,521										
HOPKINS	37,465										
LAMAR	52,162										
MARION	11,220										
MORRIS	13,625										
PANOLA	25,325										
RAINS	12,461										
RED RIVER	13,345										
RUSK	60,164										
SMITH	232,478										
TITUS	36,032										
UPSHUR	43,368										
VAN ZANDT	56,528										
WOOD	46,650										
<b>REGIONAL TOTALS</b>	<b>1,198,815</b>	<b>1</b>	<b>0.1</b>	<b>0</b>	<b>0.0</b>	<b>1</b>	<b>0.1</b>	<b>0</b>	<b>0.0</b>	<b>0</b>	<b>0.0</b>
<b>STATEWIDE TOTALS</b>	<b>28,797,290</b>	<b>17</b>	<b>0.1</b>	<b>3</b>	<b>0.0</b>	<b>9</b>	<b>0.0</b>	<b>1</b>	<b>0.0</b>	<b>2</b>	<b>0.0</b>

**HEALTH SERVICE REGION 4 - 2017  
CASES AND RATES (CASES PER 100,000 POPULATION<sup>1</sup>)**

COUNTY	2017 POP.	SALMONELLOSIS		SHIGELLOSIS		SPOTTED FEVER RICKETTSIOSSES		STREPTOCOCCUS PNEUMONIAE	
		CASES	RATES	CASES	RATES	CASES	RATES	CASES	RATES
ANDERSON	61,127	6	9.8	0	0.0	0	0.0	0	0.0
BOWIE	94,325	16	17.0	3	3.2	4	4.2	10	10.6
CAMP	13,809	4	29.0	1	7.2	1	7.2	1	7.2
CASS	31,624	1	3.2	1	3.2	0	0.0	7	22.1
CHEROKEE	55,487	8	14.4	1	1.8	0	0.0	2	3.6
DELTA	5,623	1	17.8	0	0.0	0	0.0	1	17.8
FRANKLIN	11,470	1	8.7	1	8.7	0	0.0	0	0.0
GREGG	131,827	28	21.2	2	1.5	0	0.0	17	12.9
HARRISON	70,179	9	12.8	0	0.0	0	0.0	4	5.7
HENDERSON	82,521	14	17.0	8	9.7	1	1.2	2	2.4
HOPKINS	37,465	4	10.7	0	0.0	0	0.0	0	0.0
LAMAR	52,162	4	7.7	0	0.0	1	1.9	2	3.8
MARION	11,220	1	8.9	0	0.0	1	8.9	1	8.9
MORRIS	13,625	5	36.7	0	0.0	0	0.0	1	7.3
PANOLA	25,325	3	11.8	1	3.9	0	0.0	2	7.9
RAINS	12,461	2	16.1	0	0.0	0	0.0	0	0.0
RED RIVER	13,345	5	37.5	2	15.0	0	0.0	2	15.0
RUSK	60,164	6	10.0	3	5.0	1	1.7	8	13.3
SMITH	232,478	27	11.6	14	6.0	0	0.0	10	4.3
TITUS	36,032	2	5.6	5	13.9	0	0.0	0	0.0
UPSHUR	43,368	8	18.4	2	4.6	0	0.0	8	18.4
VAN ZANDT	56,528	6	10.6	0	0.0	0	0.0	3	5.3
WOOD	46,650	11	23.6	1	2.1	0	0.0	2	4.3
REGIONAL TOTALS	1,198,815	172	14.3	45	3.8	9	0.8	83	6.9
STATEWIDE TOTALS	28,797,290	5,113	17.8	1,522	5.3	106	0.4	1,798	6.2

**HEALTH SERVICE REGION 4 - 2017  
CASES AND RATES (CASES PER 100,000 POPULATION<sup>1</sup>)**

COUNTY	2017 POP.	STREPTOCOCCUS, GROUP A		STREPTOCOCCUS, GROUP B		TAENIASIS		TETANUS	
		CASES	RATES	CASES	RATES	CASES	RATES	CASES	RATES
ANDERSON	61,127	0	0.0	0	0.0	0	0.0	0	0.0
BOWIE	94,325	2	2.1	8	8.5	0	0.0	0	0.0
CAMP	13,809	0	0.0	0	0.0	0	0.0	0	0.0
CASS	31,624	1	3.2	6	19.0	0	0.0	0	0.0
CHEROKEE	55,487	2	3.6	0	0.0	0	0.0	0	0.0
DELTA	5,623	0	0.0	0	0.0	0	0.0	0	0.0
FRANKLIN	11,470	0	0.0	1	8.7	0	0.0	0	0.0
GREGG	131,827	9	6.8	14	10.6	0	0.0	0	0.0
HARRISON	70,179	0	0.0	3	4.3	0	0.0	0	0.0
HENDERSON	82,521	1	1.2	1	1.2	0	0.0	0	0.0
HOPKINS	37,465	0	0.0	0	0.0	0	0.0	0	0.0
LAMAR	52,162	0	0.0	3	5.8	0	0.0	0	0.0
MARION	11,220	0	0.0	1	8.9	0	0.0	0	0.0
MORRIS	13,625	1	7.3	7	51.4	0	0.0	0	0.0
PANOLA	25,325	1	3.9	1	3.9	0	0.0	0	0.0
RAINS	12,461	1	8.0	0	0.0	0	0.0	0	0.0
RED RIVER	13,345	0	0.0	0	0.0	0	0.0	0	0.0
RUSK	60,164	0	0.0	4	6.6	0	0.0	0	0.0
SMITH	232,478	4	1.7	6	2.6	0	0.0	0	0.0
TITUS	36,032	0	0.0	1	2.8	0	0.0	0	0.0
UPSHUR	43,368	3	6.9	6	13.8	0	0.0	0	0.0
VAN ZANDT	56,528	1	1.8	6	10.6	0	0.0	0	0.0
WOOD	46,650	1	2.1	0	0.0	0	0.0	0	0.0
REGIONAL TOTALS	1,198,815	27	2.3	68	5.7	0	0.0	0	0.0
STATEWIDE TOTALS	28,797,290	851	3.0	1,929	6.7	1	0.0	1	0.0

**HEALTH SERVICE REGION 4 - 2017  
CASES AND RATES (CASES PER 100,000 POPULATION<sup>1</sup>)**

COUNTY	2017 POP.	TRICHURIASIS		TULAREMIA		TYPHOID FEVER		TYPHUS, MURINE	
		CASES	RATES	CASES	RATES	CASES	RATES	CASES	RATES
ANDERSON	61,127	0	0.0	0	0.0	0	0.0	0	0.0
BOWIE	94,325	0	0.0	0	0.0	0	0.0	0	0.0
CAMP	13,809	0	0.0	0	0.0	0	0.0	0	0.0
CASS	31,624	0	0.0	0	0.0	0	0.0	0	0.0
CHEROKEE	55,487	0	0.0	0	0.0	0	0.0	0	0.0
DELTA	5,623	0	0.0	0	0.0	0	0.0	0	0.0
FRANKLIN	11,470	0	0.0	0	0.0	0	0.0	0	0.0
GREGG	131,827	0	0.0	0	0.0	0	0.0	0	0.0
HARRISON	70,179	0	0.0	0	0.0	0	0.0	0	0.0
HENDERSON	82,521	0	0.0	0	0.0	0	0.0	0	0.0
HOPKINS	37,465	0	0.0	0	0.0	0	0.0	0	0.0
LAMAR	52,162	0	0.0	0	0.0	0	0.0	0	0.0
MARION	11,220	0	0.0	0	0.0	0	0.0	0	0.0
MORRIS	13,625	0	0.0	0	0.0	0	0.0	0	0.0
PANOLA	25,325	0	0.0	0	0.0	0	0.0	0	0.0
RAINS	12,461	0	0.0	0	0.0	0	0.0	0	0.0
RED RIVER	13,345	0	0.0	0	0.0	0	0.0	0	0.0
RUSK	60,164	0	0.0	0	0.0	0	0.0	0	0.0
SMITH	232,478	0	0.0	0	0.0	0	0.0	0	0.0
TITUS	36,032	0	0.0	0	0.0	0	0.0	0	0.0
UPSHUR	43,368	0	0.0	0	0.0	0	0.0	0	0.0
VAN ZANDT	56,528	0	0.0	0	0.0	0	0.0	0	0.0
WOOD	46,650	0	0.0	0	0.0	0	0.0	0	0.0
REGIONAL TOTALS	1,198,815	0	0.0	0	0.0	0	0.0	0	0.0
STATEWIDE TOTALS	28,797,290	12	0.0	1	0.0	27	0.1	519	1.8

**HEALTH SERVICE REGION 4 - 2017**  
**CASES AND RATES (CASES PER 100,000 POPULATION<sup>1</sup>)**

COUNTY	2017 POP.	VIBRIO PARAHAEMOLYTICUS		VIBRIO VULNIFICUS		VIBRIO, OTHER/UNSPECIFIED		VISA	
		CASES	RATES	CASES	RATES	CASES	RATES	CASES	RATES
ANDERSON	61,127	0	0.0	0	0.0	0	0.0	0	0.0
BOWIE	94,325	0	0.0	0	0.0	0	0.0	0	0.0
CAMP	13,809	0	0.0	0	0.0	0	0.0	0	0.0
CASS	31,624	0	0.0	0	0.0	0	0.0	0	0.0
CHEROKEE	55,487	0	0.0	0	0.0	0	0.0	0	0.0
DELTA	5,623	0	0.0	0	0.0	0	0.0	0	0.0
FRANKLIN	11,470	0	0.0	0	0.0	0	0.0	0	0.0
GREGG	131,827	0	0.0	0	0.0	0	0.0	0	0.0
HARRISON	70,179	0	0.0	1	1.4	0	0.0	0	0.0
HENDERSON	82,521	1	1.2	0	0.0	0	0.0	0	0.0
HOPKINS	37,465	0	0.0	0	0.0	0	0.0	0	0.0
LAMAR	52,162	0	0.0	0	0.0	0	0.0	0	0.0
MARION	11,220	0	0.0	0	0.0	0	0.0	0	0.0
MORRIS	13,625	0	0.0	0	0.0	0	0.0	0	0.0
PANOLA	25,325	0	0.0	0	0.0	0	0.0	0	0.0
RAINS	12,461	0	0.0	0	0.0	0	0.0	0	0.0
RED RIVER	13,345	0	0.0	0	0.0	0	0.0	0	0.0
RUSK	60,164	0	0.0	0	0.0	0	0.0	0	0.0
SMITH	232,478	0	0.0	0	0.0	0	0.0	0	0.0
TITUS	36,032	0	0.0	0	0.0	0	0.0	0	0.0
UPSHUR	43,368	0	0.0	0	0.0	0	0.0	0	0.0
VAN ZANDT	56,528	0	0.0	0	0.0	0	0.0	0	0.0
WOOD	46,650								
REGIONAL TOTALS	1,198,815	1	0.1	1	0.1	0	0.0	0	0.0
STATEWIDE TOTALS	28,797,290	30	0.1	34	0.1	119	0.4	3	0.0

**HEALTH SERVICE REGION 4 - 2017  
CASES AND RATES (CASES PER 100,000 POPULATION<sup>1</sup>)**

COUNTY	2017 POP.	WEST NILE FEVER		WEST NILE NEUROINVASIVE DISEASE		YERSINIOSIS		ZIKA VIRUS DISEASE	
		CASES	RATES	CASES	RATES	CASES	RATES	CASES	RATES
ANDERSON	61,127	0	0.0	0	0.0	0	0.0	0	0.0
BOWIE	94,325	0	0.0	2	2.1	4	4.2	0	0.0
CAMP	13,809	0	0.0	0	0.0	0	0.0	0	0.0
CASS	31,624	0	0.0	0	0.0	0	0.0	0	0.0
CHEROKEE	55,487	0	0.0	0	0.0	1	1.8	0	0.0
DELTA	5,623	0	0.0	0	0.0	0	0.0	0	0.0
FRANKLIN	11,470	0	0.0	0	0.0	0	0.0	0	0.0
GREGG	131,827	0	0.0	0	0.0	0	0.0	0	0.0
HARRISON	70,179	0	0.0	0	0.0	0	0.0	0	0.0
HENDERSON	82,521	0	0.0	0	0.0	0	0.0	0	0.0
HOPKINS	37,465	0	0.0	0	0.0	0	0.0	0	0.0
LAMAR	52,162	0	0.0	0	0.0	0	0.0	0	0.0
MARION	11,220	0	0.0	0	0.0	1	8.9	0	0.0
MORRIS	13,625	0	0.0	0	0.0	0	0.0	0	0.0
PANOLA	25,325	1	3.9	0	0.0	0	0.0	0	0.0
RAINS	12,461	0	0.0	0	0.0	0	0.0	0	0.0
RED RIVER	13,345	0	0.0	0	0.0	0	0.0	0	0.0
RUSK	60,164	0	0.0	0	0.0	0	0.0	0	0.0
SMITH	232,478	0	0.0	1	0.4	0	0.0	2	0.9
TITUS	36,032	0	0.0	0	0.0	0	0.0	0	0.0
UPSHUR	43,368	0	0.0	0	0.0	0	0.0	1	2.3
VAN ZANDT	56,528	1	1.8	1	1.8	0	0.0	0	0.0
WOOD	46,650	0	0.0	0	0.0	0	0.0	0	0.0
<b>REGIONAL TOTALS</b>	<b>1,198,815</b>	<b>2</b>	<b>0.2</b>	<b>4</b>	<b>0.3</b>	<b>6</b>	<b>0.5</b>	<b>3</b>	<b>0.3</b>
<b>STATEWIDE TOTALS</b>	<b>28,797,290</b>	<b>48</b>	<b>0.2</b>	<b>87</b>	<b>0.3</b>	<b>46</b>	<b>0.2</b>	<b>55</b>	<b>0.2</b>

<sup>1</sup> DSHS Center for Health Statistics projected 2017 Texas population data (/CHS/Popdat/Dtl/Dtl2017p.xls - link currently inactive) accessed 1/3/2017.

<sup>2</sup> Infant botulism and congenital rubella syndrome rates are calculated using the Texas populations under 1 year of age.

<sup>3</sup> Perinatal hepatitis B cases are defined as infants >1 month of age through 24 months of age who were born in the US to HBsAg positive mothers. The rates were calculated using the population under 2 years of age, which approximates this cohort.

<sup>4</sup> Influenza-associated pediatric mortality cases are calculated using the population under 18 years of age.