

**HEALTH SERVICE REGION 4 - 2013  
CASES AND RATES (CASES PER 100,000 POPULATION<sup>1</sup>)**

COUNTY	2013 POP.	BOTULISM, INFANT <sup>2</sup>		BRUCELLOSIS		CAMPYLOBACTERIOSIS		CHICKENPOX (VARICELLA)	
		CASES	RATES	CASES	RATES	CASES	RATES	CASES	RATES
ANDERSON	58,564	0	0.0	0	0.0	0	0.0	1	1.7
BOWIE	93,739	0	0.0	0	0.0	3	3.2	5	5.3
CAMP	14,026	0	0.0	0	0.0	1	7.1	0	0.0
CASS	30,535	0	0.0	0	0.0	1	3.3	0	0.0
CHEROKEE	51,037	0	0.0	0	0.0	2	3.9	4	7.8
DELTA	5,299	0	0.0	0	0.0	0	0.0	0	0.0
FRANKLIN	11,419	0	0.0	0	0.0	0	0.0	0	0.0
GREGG	127,691	0	0.0	0	0.0	1	0.8	2	1.6
HARRISON	69,231	0	0.0	0	0.0	1	1.4	2	2.9
HENDERSON	83,987	0	0.0	1	1.2	1	1.2	1	1.2
HOPKINS	35,305	0	0.0	0	0.0	1	2.8	1	2.8
LAMAR	50,652	0	0.0	0	0.0	1	2.0	2	3.9
MARION	10,987	0	0.0	0	0.0	0	0.0	1	9.1
MORRIS	13,610	0	0.0	0	0.0	0	0.0	0	0.0
PANOLA	24,394	0	0.0	0	0.0	0	0.0	2	8.2
RAINS	11,475	0	0.0	0	0.0	1	8.7	0	0.0
RED RIVER	14,372	0	0.0	0	0.0	1	7.0	0	0.0
RUSK	50,805	0	0.0	0	0.0	1	2.0	6	11.8
SMITH	219,840	1	29.2	0	0.0	5	2.3	5	2.3
TITUS	33,290	0	0.0	0	0.0	1	3.0	0	0.0
UPSHUR	39,110	0	0.0	0	0.0	1	2.6	6	15.3
VAN ZANDT	55,195	1	132.8	0	0.0	4	7.2	0	0.0
WOOD	47,297	0	0.0	0	0.0	0	0.0	1	2.1
<b>REGIONAL TOTALS</b>	<b>1,151,860</b>	<b>2</b>	<b>12.6</b>	<b>1</b>	<b>0.1</b>	<b>26</b>	<b>2.3</b>	<b>39</b>	<b>3.4</b>
<b>STATEWIDE TOTALS</b>	<b>26,932,619</b>	<b>7</b>	<b>1.7</b>	<b>11</b>	<b>0.0</b>	<b>2,640</b>	<b>9.8</b>	<b>1,874</b>	<b>7.0</b>

**HEALTH SERVICE REGION 4 - 2013  
CASES AND RATES (CASES PER 100,000 POPULATION<sup>1</sup>)**

COUNTY	2013 POP.	CREUTZFELDT-JAKOB DISEASE		CRYPTOSPORIDIOSIS		CYCLOSPORIASIS		<i>EHRlichia CHAFFEENSIS</i>	
		CASES	RATES	CASES	RATES	CASES	RATES	CASES	RATES
ANDERSON	58,564	0	0.0	0	0.0	0	0.0	0	0.0
BOWIE	93,739	0	0.0	1	1.1	0	0.0	2	2.1
CAMP	14,026	0	0.0	0	0.0	0	0.0	0	0.0
CASS	30,535	0	0.0	0	0.0	1	3.3	0	0.0
CHEROKEE	51,037	0	0.0	0	0.0	0	0.0	0	0.0
DELTA	5,299	0	0.0	0	0.0	0	0.0	0	0.0
FRANKLIN	11,419	0	0.0	0	0.0	0	0.0	0	0.0
GREGG	127,691	0	0.0	0	0.0	0	0.0	0	0.0
HARRISON	69,231	1	1.4	0	0.0	0	0.0	0	0.0
HENDERSON	83,987	0	0.0	1	1.2	1	1.2	0	0.0
HOPKINS	35,305	0	0.0	0	0.0	0	0.0	0	0.0
LAMAR	50,652	0	0.0	1	2.0	0	0.0	0	0.0
MARION	10,987	0	0.0	0	0.0	0	0.0	0	0.0
MORRIS	13,610	0	0.0	0	0.0	0	0.0	0	0.0
PANOLA	24,394	0	0.0	0	0.0	0	0.0	0	0.0
RAINS	11,475	0	0.0	0	0.0	0	0.0	0	0.0
RED RIVER	14,372	0	0.0	0	0.0	0	0.0	0	0.0
RUSK	50,805	0	0.0	3	5.9	0	0.0	0	0.0
SMITH	219,840	0	0.0	0	0.0	2	0.9	0	0.0
TITUS	33,290	0	0.0	0	0.0	0	0.0	0	0.0
UPSHUR	39,110	0	0.0	0	0.0	0	0.0	0	0.0
VAN ZANDT	55,195	0	0.0	0	0.0	2	3.6	0	0.0
WOOD	47,297	0	0.0	0	0.0	0	0.0	0	0.0
<b>REGIONAL TOTALS</b>	<b>1,151,860</b>	<b>1</b>	<b>0.1</b>	<b>6</b>	<b>0.5</b>	<b>6</b>	<b>0.5</b>	<b>2</b>	<b>0.2</b>
<b>STATEWIDE TOTALS</b>	<b>26,932,619</b>	<b>14</b>	<b>0.1</b>	<b>412</b>	<b>1.5</b>	<b>351</b>	<b>1.3</b>	<b>8</b>	<b>0.0</b>

**HEALTH SERVICE REGION 4 - 2013  
CASES AND RATES (CASES PER 100,000 POPULATION<sup>1</sup>)**

COUNTY	2013 POP.	ESCHERICHIA COLI, SHIGA TOXIN-PRODUCING (STEC)		HEMOLYTIC UREMIC SYNDROME		HEPATITIS A, ACUTE		HEPATITIS B, ACUTE	
		CASES	RATES	CASES	RATES	CASES	RATES	CASES	RATES
ANDERSON	58,564	0	0.0	0	0.0	0	0.0	0	0.0
BOWIE	93,739	3	3.2	0	0.0	0	0.0	0	0.0
CAMP	14,026	0	0.0	0	0.0	0	0.0	0	0.0
CASS	30,535	3	9.8	0	0.0	0	0.0	0	0.0
CHEROKEE	51,037	0	0.0	0	0.0	0	0.0	0	0.0
DELTA	5,299	0	0.0	0	0.0	0	0.0	0	0.0
FRANKLIN	11,419	0	0.0	0	0.0	0	0.0	0	0.0
GREGG	127,691	1	0.8	1	0.8	1	0.8	3	2.3
HARRISON	69,231	1	1.4	0	0.0	0	0.0	1	1.4
HENDERSON	83,987	0	0.0	0	0.0	0	0.0	0	0.0
HOPKINS	35,305	1	2.8	0	0.0	0	0.0	2	5.7
LAMAR	50,652	0	0.0	0	0.0	0	0.0	0	0.0
MARION	10,987	0	0.0	0	0.0	0	0.0	1	9.1
MORRIS	13,610	0	0.0	0	0.0	0	0.0	0	0.0
PANOLA	24,394	1	4.1	0	0.0	0	0.0	2	8.2
RAINS	11,475	0	0.0	0	0.0	0	0.0	0	0.0
RED RIVER	14,372	0	0.0	0	0.0	1	7.0	0	0.0
RUSK	50,805	1	2.0	0	0.0	1	2.0	0	0.0
SMITH	219,840	0	0.0	0	0.0	1	0.5	0	0.0
TITUS	33,290	0	0.0	0	0.0	0	0.0	0	0.0
UPSHUR	39,110	0	0.0	0	0.0	0	0.0	1	2.6
VAN ZANDT	55,195	2	3.6	0	0.0	1	1.8	0	0.0
WOOD	47,297	0	0.0	0	0.0	0	0.0	0	0.0
<b>REGIONAL TOTALS</b>	<b>1,151,860</b>	<b>13</b>	<b>1.1</b>	<b>1</b>	<b>0.1</b>	<b>5</b>	<b>0.4</b>	<b>10</b>	<b>0.9</b>
<b>STATEWIDE TOTALS</b>	<b>26,932,619</b>	<b>606</b>	<b>2.3</b>	<b>20</b>	<b>0.1</b>	<b>109</b>	<b>0.4</b>	<b>142</b>	<b>0.5</b>

**HEALTH SERVICE REGION 4 - 2013  
CASES AND RATES (CASES PER 100,000 POPULATION<sup>1</sup>)**

COUNTY	2013 POP.	HEPATITIS B, PERINATAL <sup>2</sup> (AGE <24 MONTHS)		HEPATITIS C, ACUTE		LEGIONELLOSIS		LISTERIOSIS	
		CASES	RATES	CASES	RATES	CASES	RATES	CASES	RATES
ANDERSON	58,564	0	0.0	0	0.0	1	1.7	0	0.0
BOWIE	93,739	0	0.0	0	0.0	1	1.1	0	0.0
CAMP	14,026	0	0.0	0	0.0	0	0.0	0	0.0
CASS	30,535	0	0.0	0	0.0	0	0.0	0	0.0
CHEROKEE	51,037	0	0.0	0	0.0	1	2.0	0	0.0
DELTA	5,299	0	0.0	0	0.0	0	0.0	0	0.0
FRANKLIN	11,419	0	0.0	0	0.0	0	0.0	0	0.0
GREGG	127,691	0	0.0	0	0.0	0	0.0	0	0.0
HARRISON	69,231	0	0.0	0	0.0	0	0.0	1	1.4
HENDERSON	83,987	0	0.0	0	0.0	1	1.2	0	0.0
HOPKINS	35,305	0	0.0	0	0.0	1	2.8	0	0.0
LAMAR	50,652	0	0.0	0	0.0	0	0.0	0	0.0
MARION	10,987	0	0.0	0	0.0	0	0.0	0	0.0
MORRIS	13,610	0	0.0	0	0.0	0	0.0	0	0.0
PANOLA	24,394	0	0.0	0	0.0	0	0.0	0	0.0
RAINS	11,475	0	0.0	0	0.0	0	0.0	0	0.0
RED RIVER	14,372	0	0.0	0	0.0	0	0.0	0	0.0
RUSK	50,805	0	0.0	0	0.0	0	0.0	0	0.0
SMITH	219,840	0	0.0	0	0.0	0	0.0	0	0.0
TITUS	33,290	0	0.0	0	0.0	0	0.0	0	0.0
UPSHUR	39,110	0	0.0	1	2.6	0	0.0	0	0.0
VAN ZANDT	55,195	0	0.0	0	0.0	0	0.0	0	0.0
WOOD	47,297	0	0.0	0	0.0	1	2.1	0	0.0
<b>REGIONAL TOTALS</b>	<b>1,151,860</b>	<b>0</b>	<b>0.0</b>	<b>1</b>	<b>0.1</b>	<b>6</b>	<b>0.5</b>	<b>1</b>	<b>0.1</b>
<b>STATEWIDE TOTALS</b>	<b>26,932,619</b>	<b>2</b>	<b>0.2</b>	<b>28</b>	<b>0.1</b>	<b>168</b>	<b>0.6</b>	<b>28</b>	<b>0.1</b>

**HEALTH SERVICE REGION 4 - 2013  
CASES AND RATES (CASES PER 100,000 POPULATION<sup>1</sup>)**

COUNTY	2013 POP.	LYME DISEASE		PERTUSSIS		Q FEVER, ACUTE		SALMONELLOSIS	
		CASES	RATES	CASES	RATES	CASES	RATES	CASES	RATES
ANDERSON	58,564	0	0.0	0	0.0	0	0.0	6	10.2
BOWIE	93,739	1	1.1	3	3.2	0	0.0	17	18.1
CAMP	14,026	0	0.0	1	7.1	0	0.0	4	28.5
CASS	30,535	0	0.0	8	26.2	0	0.0	16	52.4
CHEROKEE	51,037	0	0.0	3	5.9	0	0.0	13	25.5
DELTA	5,299	0	0.0	0	0.0	0	0.0	3	56.6
FRANKLIN	11,419	0	0.0	1	8.8	0	0.0	3	26.3
GREGG	127,691	0	0.0	3	2.3	0	0.0	16	12.5
HARRISON	69,231	0	0.0	1	1.4	0	0.0	21	30.3
HENDERSON	83,987	0	0.0	7	8.3	0	0.0	11	13.1
HOPKINS	35,305	0	0.0	0	0.0	0	0.0	7	19.8
LAMAR	50,652	1	2.0	6	11.8	0	0.0	15	29.6
MARION	10,987	0	0.0	0	0.0	0	0.0	1	9.1
MORRIS	13,610	0	0.0	0	0.0	0	0.0	5	36.7
PANOLA	24,394	0	0.0	2	8.2	0	0.0	3	12.3
RAINS	11,475	0	0.0	0	0.0	1	8.7	2	17.4
RED RIVER	14,372	0	0.0	0	0.0	0	0.0	1	7.0
RUSK	50,805	1	2.0	2	3.9	0	0.0	7	13.8
SMITH	219,840	2	0.9	23	10.5	0	0.0	13	5.9
TITUS	33,290	0	0.0	2	6.0	0	0.0	3	9.0
UPSHUR	39,110	0	0.0	5	12.8	0	0.0	13	33.2
VAN ZANDT	55,195	1	1.8	7	12.7	0	0.0	8	14.5
WOOD	47,297	2	4.2	4	8.5	0	0.0	8	16.9
<b>REGIONAL TOTALS</b>	<b>1,151,860</b>	<b>8</b>	<b>0.7</b>	<b>78</b>	<b>6.8</b>	<b>1</b>	<b>0.1</b>	<b>196</b>	<b>17.0</b>
<b>STATEWIDE TOTALS</b>	<b>26,932,619</b>	<b>82</b>	<b>0.3</b>	<b>3,985</b>	<b>14.8</b>	<b>19</b>	<b>0.1</b>	<b>4,946</b>	<b>18.4</b>

**HEALTH SERVICE REGION 4 - 2013  
CASES AND RATES (CASES PER 100,000 POPULATION<sup>1</sup>)**

COUNTY	2013 POP.	SHIGELLOSIS		SPOTTED FEVER GP RICKETTSIOSES		STREPTOCOCCUS, GROUP A		STREPTOCOCCUS, GROUP B	
		Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate
ANDERSON	58,564	2	3.4	0	0.0	0	0.0	0	0.0
BOWIE	93,739	18	19.2	1	1.1	6	6.4	1	1.1
CAMP	14,026	1	7.1	0	0.0	0	0.0	1	7.1
CASS	30,535	1	3.3	2	6.5	1	3.3	3	9.8
CHEROKEE	51,037	1	2.0	0	0.0	1	2.0	1	2.0
DELTA	5,299	0	0.0	0	0.0	0	0.0	0	0.0
FRANKLIN	11,419	0	0.0	0	0.0	0	0.0	0	0.0
GREGG	127,691	14	11.0	0	0.0	2	1.6	3	2.3
HARRISON	69,231	3	4.3	0	0.0	0	0.0	3	4.3
HENDERSON	83,987	1	1.2	0	0.0	1	1.2	3	3.6
HOPKINS	35,305	0	0.0	0	0.0	0	0.0	0	0.0
LAMAR	50,652	11	21.7	0	0.0	2	3.9	0	0.0
MARION	10,987	2	18.2	0	0.0	0	0.0	0	0.0
MORRIS	13,610	2	14.7	0	0.0	1	7.3	0	0.0
PANOLA	24,394	1	4.1	0	0.0	0	0.0	0	0.0
RAINS	11,475	0	0.0	0	0.0	0	0.0	0	0.0
RED RIVER	14,372	0	0.0	0	0.0	0	0.0	0	0.0
RUSK	50,805	3	5.9	0	0.0	2	3.9	2	3.9
SMITH	219,840	1	0.5	0	0.0	0	0.0	6	2.7
TITUS	33,290	3	9.0	0	0.0	0	0.0	0	0.0
UPSHUR	39,110	1	2.6	0	0.0	2	5.1	3	7.7
VAN ZANDT	55,195	2	3.6	0	0.0	1	1.8	2	3.6
WOOD	47,297	0	0.0	0	0.0	1	2.1	2	4.2
<b>REGIONAL TOTALS</b>	<b>1,151,860</b>	<b>67</b>	<b>5.8</b>	<b>3</b>	<b>0.3</b>	<b>20</b>	<b>1.7</b>	<b>30</b>	<b>2.6</b>
<b>STATEWIDE TOTALS</b>	<b>26,932,619</b>	<b>2,386</b>	<b>8.9</b>	<b>83</b>	<b>0.3</b>	<b>419</b>	<b>1.6</b>	<b>1,050</b>	<b>3.9</b>

**HEALTH SERVICE REGION 4 - 2013  
CASES AND RATES (CASES PER 100,000 POPULATION<sup>1</sup>)**

COUNTY	2013 POP.	STREPTOCOCCUS PNEUMONIAE		VIBRIO VULNIFICUS		VISA		WEST NILE NEUROINVASIVE DISEASE		YERSINIOSIS	
		CASES	RATES	CASES	RATES	CASES	RATES	CASES	RATES		
ANDERSON	58,564	1	1.7	1	1.7	0	0.0	1	1.7	1	1.7
BOWIE	93,739	11	11.7	1	1.1	0	0.0	0	0.0	0	0.0
CAMP	14,026	1	7.1	0	0.0	0	0.0	0	0.0	0	0.0
CASS	30,535	3	9.8	0	0.0	0	0.0	0	0.0	0	0.0
CHEROKEE	51,037	7	13.7	0	0.0	0	0.0	0	0.0	0	0.0
DELTA	5,299	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
FRANKLIN	11,419	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
GREGG	127,691	10	7.8	0	0.0	0	0.0	0	0.0	1	0.8
HARRISON	69,231	6	8.7	0	0.0	0	0.0	0	0.0	0	0.0
HENDERSON	83,987	2	2.4	0	0.0	0	0.0	0	0.0	0	0.0
HOPKINS	35,305	1	2.8	0	0.0	0	0.0	0	0.0	0	0.0
LAMAR	50,652	6	11.8	0	0.0	0	0.0	0	0.0	0	0.0
MARION	10,987	3	27.3	0	0.0	0	0.0	0	0.0	0	0.0
MORRIS	13,610	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
PANOLA	24,394	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
RAINS	11,475	2	17.4	0	0.0	1	8.7	0	0.0	0	0.0
RED RIVER	14,372	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
RUSK	50,805	3	5.9	0	0.0	0	0.0	0	0.0	1	2.0
SMITH	219,840	13	5.9	0	0.0	0	0.0	0	0.0	0	0.0
TITUS	33,290	0	0.0	0	0.0	0	0.0	2	6.0	0	0.0
UPSHUR	39,110	3	7.7	0	0.0	0	0.0	0	0.0	0	0.0
VAN ZANDT	55,195	2	3.6	0	0.0	0	0.0	0	0.0	0	0.0
WOOD	47,297	2	4.2	0	0.0	0	0.0	0	0.0	0	0.0
<b>REGIONAL TOTALS</b>	<b>1,151,860</b>	<b>76</b>	<b>6.6</b>	<b>2</b>	<b>0.2</b>	<b>1</b>	<b>0.1</b>	<b>3</b>	<b>0.3</b>	<b>3</b>	<b>0.3</b>
<b>STATEWIDE TOTALS</b>	<b>26,932,619</b>	<b>1,715</b>	<b>6.4</b>	<b>22</b>	<b>0.1</b>	<b>8</b>	<b>0.0</b>	<b>113</b>	<b>0.4</b>	<b>35</b>	<b>0.1</b>

<sup>1</sup> DSHS Center for Health Statistics projected 2013 Texas population data <https://www.dshs.texas.gov/chs/popdat/ST2013p.shtm> accessed 01/25/2013.

<sup>2</sup> Infant botulism, Perinatal hepatitis B and Influenza-associated pediatric mortality rates are calculated using county populations < 1 y, < 2 y and < 18 y of age.