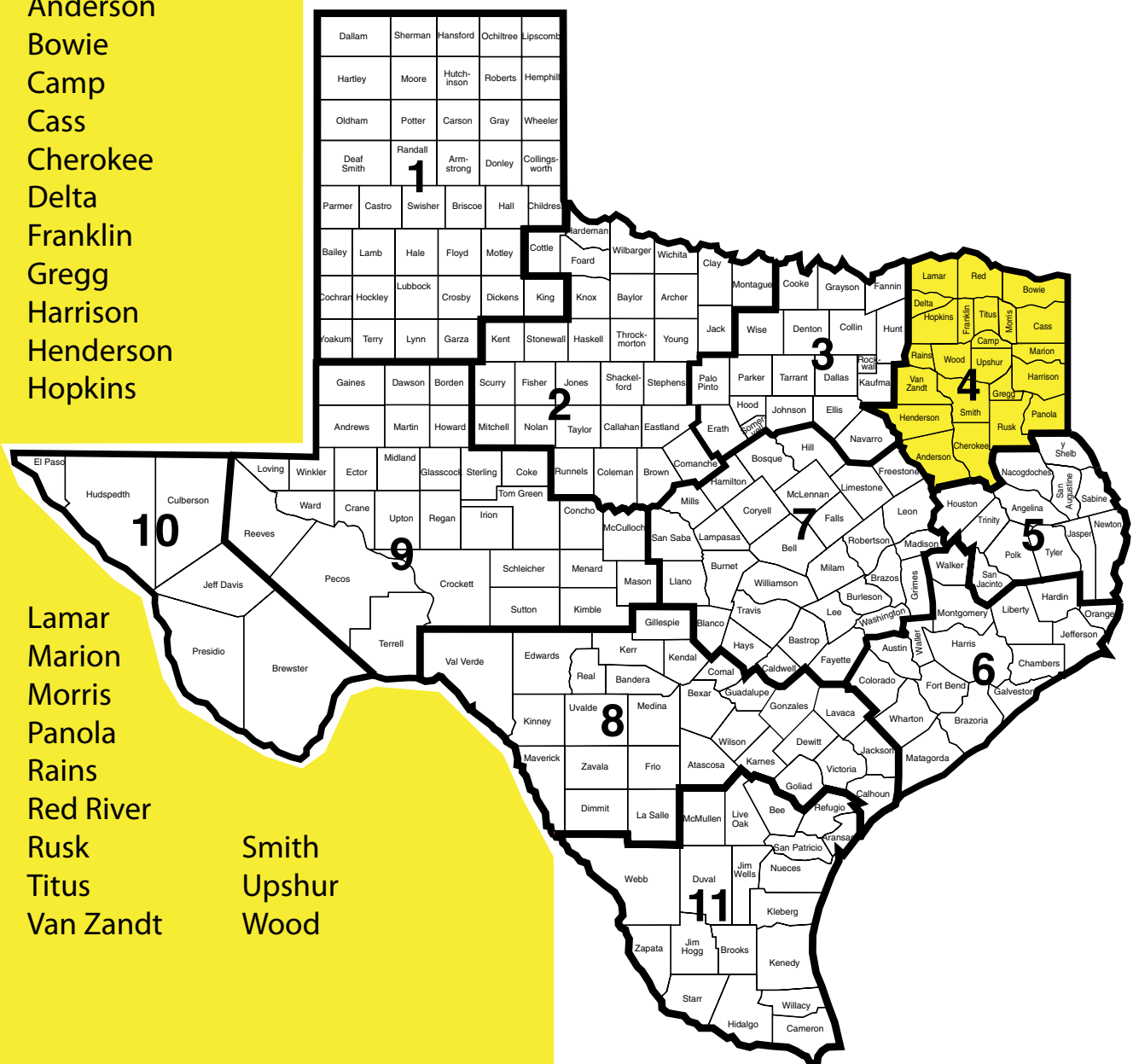


# Health Service Region 4

## Health Service Region 4 Counties:

Anderson  
 Bowie  
 Camp  
 Cass  
 Cherokee  
 Delta  
 Franklin  
 Gregg  
 Harrison  
 Henderson  
 Hopkins



Lamar  
 Marion  
 Morris  
 Panola  
 Rains  
 Red River  
 Rusk  
 Titus  
 Van Zandt

Smith  
 Upshur  
 Wood

**HEALTH SERVICE REGION 4 - 2007  
CASES AND RATES (CASES PER 100,000 POPULATION<sup>1</sup>)**

COUNTY	2007 POP.	AMEBIASIS		BOTULISM, FOODBORNE		BOTULISM, INFANT <sup>2</sup>		BRUCELLOSIS	
		CASES	RATES	CASES	RATES	CASES	RATES	CASES	RATES
ANDERSON	58,152	0	0.0	0	0.0	0	0.0	0	0.0
BOWIE	91,729	0	0.0	0	0.0	0	0.0	0	0.0
CAMP	13,121	0	0.0	0	0.0	0	0.0	0	0.0
CASS	30,235	0	0.0	0	0.0	0	0.0	0	0.0
CHEROKEE	50,385	0	0.0	0	0.0	0	0.0	0	0.0
DELTA	5,367	0	0.0	0	0.0	0	0.0	0	0.0
FRANKLIN	9,457	0	0.0	0	0.0	0	0.0	0	0.0
GREGG	118,278	1	0.8	0	0.0	0	0.0	0	0.0
HARRISON	66,425	0	0.0	0	0.0	0	0.0	0	0.0
HENDERSON	81,694	0	0.0	0	0.0	0	0.0	0	0.0
HOPKINS	33,636	0	0.0	0	0.0	0	0.0	0	0.0
LAMAR	50,229	0	0.0	0	0.0	0	0.0	0	0.0
MARION	11,252	0	0.0	0	0.0	0	0.0	0	0.0
MORRIS	13,245	0	0.0	0	0.0	0	0.0	0	0.0
PANOLA	23,485	0	0.0	0	0.0	0	0.0	0	0.0
RAINS	11,875	0	0.0	0	0.0	0	0.0	0	0.0
RED RIVER	14,416	0	0.0	0	0.0	0	0.0	0	0.0
RUSK	49,378	0	0.0	0	0.0	0	0.0	0	0.0
SMITH	193,377	0	0.0	0	0.0	0	0.0	0	0.0
TITUS	30,404	0	0.0	0	0.0	0	0.0	0	0.0
UPSHUR	38,161	0	0.0	0	0.0	0	0.0	0	0.0
VAN ZANDT	53,933	0	0.0	0	0.0	0	0.0	0	0.0
WOOD	41,250	1	2.4	0	0.0	0	0.0	0	0.0
<b>REGIONAL TOTALS</b>	1,089,484	2	0.2	0	0.0	0	0.0	0	0.0
<b>STATEWIDE TOTALS</b>	23,936,227	434	1.8	3	0.0	4	1.0	25	0.1

**HEALTH SERVICE REGION 4 - 2007  
CASES AND RATES (CASES PER 100,000 POPULATION<sup>1</sup>)**

	2007 POP.	CAMPYLOBACTERIOSIS		CHICKENPOX (VARICELLA)		CHOLERA		CREUTZFELDT- JAKOB DISEASE	
		CASES	RATES	CASES	RATES	CASES	RATES	CASES	RATES
ANDERSON	58,152	4	6.9	24	41.3	0	0.0	0	0.0
BOWIE	91,729	7	7.6	0	0.0	0	0.0	0	0.0
CAMP	13,121	1	7.6	1	7.6	0	0.0	0	0.0
CASS	30,235	1	3.3	18	59.5	0	0.0	0	0.0
CHEROKEE	50,385	11	21.8	35	69.5	0	0.0	0	0.0
DELTA	5,367	0	0.0	0	0.0	0	0.0	0	0.0
FRANKLIN	9,457	0	0.0	4	42.3	0	0.0	0	0.0
GREGG	118,278	8	6.8	108	91.3	0	0.0	0	0.0
HARRISON	66,425	3	4.5	7	10.5	0	0.0	0	0.0
HENDERSON	81,694	3	3.7	17	20.8	0	0.0	0	0.0
HOPKINS	33,636	1	3.0	3	8.9	0	0.0	0	0.0
LAMAR	50,229	1	2.0	7	13.9	0	0.0	0	0.0
MARION	11,252	0	0.0	1	8.9	0	0.0	0	0.0
MORRIS	13,245	1	7.6	2	15.1	0	0.0	0	0.0
PANOLA	23,485	0	0.0	5	21.3	0	0.0	0	0.0
RAINS	11,875	2	16.8	9	75.8	0	0.0	0	0.0
RED RIVER	14,416	0	0.0	0	0.0	0	0.0	0	0.0
RUSK	49,378	2	4.1	3	6.1	0	0.0	0	0.0
SMITH	193,377	11	5.7	72	37.2	0	0.0	0	0.0
TITUS	30,404	0	0.0	17	55.9	0	0.0	0	0.0
UPSHUR	38,161	4	10.5	3	7.9	0	0.0	0	0.0
VAN ZANDT	53,933	7	13.0	19	35.2	0	0.0	0	0.0
WOOD	41,250	2	4.8	59	143.0	0	0.0	0	0.0
<b>REGIONAL TOTALS</b>	1,089,484	69	6.3	414	38.0	0	0.0	0	0.0
<b>STATEWIDE TOTALS</b>	23,936,227	1,690	7.1	10061	42.0	1	0.0	14	0.1

**HEALTH SERVICE REGION 4 - 2007  
CASES AND RATES (CASES PER 100,000 POPULATION<sup>1</sup>)**

COUNTY	2007 POP.	CRYPTOSPORIDIOSIS		CYCLOSPORIASIS		CYSTICERCOSIS		DENGUE FEVER	
		CASES	RATES	CASES	RATES	CASES	RATES	CASES	RATES
ANDERSON	58,152	1	1.7	0	0.0	0	0.0	0	0.0
BOWIE	91,729	1	1.1	0	0.0	0	0.0	0	0.0
CAMP	13,121	0	0.0	0	0.0	0	0.0	0	0.0
CASS	30,235	0	0.0	0	0.0	0	0.0	0	0.0
CHEROKEE	50,385	0	0.0	0	0.0	1	2.0	0	0.0
DELTA	5,367	0	0.0	0	0.0	0	0.0	0	0.0
FRANKLIN	9,457	0	0.0	0	0.0	0	0.0	0	0.0
GREGG	118,278	0	0.0	0	0.0	0	0.0	0	0.0
HARRISON	66,425	0	0.0	0	0.0	0	0.0	0	0.0
HENDERSON	81,694	2	2.4	0	0.0	0	0.0	0	0.0
HOPKINS	33,636	0	0.0	0	0.0	0	0.0	0	0.0
LAMAR	50,229	4	8.0	0	0.0	0	0.0	0	0.0
MARION	11,252	0	0.0	0	0.0	0	0.0	0	0.0
MORRIS	13,245	0	0.0	0	0.0	0	0.0	0	0.0
PANOLA	23,485	0	0.0	0	0.0	0	0.0	0	0.0
RAINS	11,875	0	0.0	0	0.0	0	0.0	0	0.0
RED RIVER	14,416	1	6.9	0	0.0	0	0.0	0	0.0
RUSK	49,378	0	0.0	0	0.0	0	0.0	0	0.0
SMITH	193,377	0	0.0	0	0.0	0	0.0	0	0.0
TITUS	30,404	0	0.0	0	0.0	0	0.0	0	0.0
UPSHUR	38,161	1	2.6	0	0.0	0	0.0	0	0.0
VAN ZANDT	53,933	0	0.0	0	0.0	0	0.0	0	0.0
WOOD	41,250	2	4.8	0	0.0	0	0.0	0	0.0
<b>REGIONAL TOTALS</b>	1,089,484	12	1.1	0	0.0	1	0.1	0	0.0
<b>STATEWIDE TOTALS</b>	23,936,227	233	1.0	2	0.0	3	0.0	32	0.1

**HEALTH SERVICE REGION 4 - 2007  
CASES AND RATES (CASES PER 100,000 POPULATION<sup>1</sup>)**

COUNTY	2007 POP.	EHRlichiosis, OTHER/UNSPECIFIED		ENCEPHALITIS, NONARBOVIRAL		ESCHERICHIA COLI, SHIGA TOXIN- PRODUCING (STEC)		HAEMOPHILUS INFLUENZAE TYPE B, INVASIVE	
		CASES	RATES	CASES	RATES	CASES	RATES	CASES	RATES
ANDERSON	58,152	1	1.7	0	0.0	0	0.0	0	0.0
BOWIE	91,729	0	0.0	0	0.0	1	1.1	0	0.0
CAMP	13,121	0	0.0	0	0.0	0	0.0	0	0.0
CASS	30,235	0	0.0	0	0.0	0	0.0	0	0.0
CHEROKEE	50,385	0	0.0	0	0.0	2	4.0	0	0.0
DELTA	5,367	0	0.0	0	0.0	0	0.0	0	0.0
FRANKLIN	9,457	0	0.0	0	0.0	0	0.0	0	0.0
GREGG	118,278	0	0.0	0	0.0	0	0.0	0	0.0
HARRISON	66,425	0	0.0	0	0.0	0	0.0	0	0.0
HENDERSON	81,694	0	0.0	1	1.2	0	0.0	0	0.0
HOPKINS	33,636	0	0.0	0	0.0	0	0.0	0	0.0
LAMAR	50,229	0	0.0	0	0.0	2	4.0	0	0.0
MARION	11,252	0	0.0	0	0.0	1	8.9	0	0.0
MORRIS	13,245	0	0.0	0	0.0	0	0.0	0	0.0
PANOLA	23,485	0	0.0	0	0.0	0	0.0	0	0.0
RAINS	11,875	0	0.0	0	0.0	0	0.0	0	0.0
RED RIVER	14,416	0	0.0	0	0.0	0	0.0	0	0.0
RUSK	49,378	0	0.0	0	0.0	0	0.0	0	0.0
SMITH	193,377	0	0.0	0	0.0	0	0.0	1	0.5
TITUS	30,404	0	0.0	0	0.0	0	0.0	0	0.0
UPSHUR	38,161	0	0.0	0	0.0	0	0.0	0	0.0
VAN ZANDT	53,933	0	0.0	0	0.0	1	1.9	1	1.9
WOOD	41,250	0	0.0	0	0.0	0	0.0	0	0.0
<b>REGIONAL TOTALS</b>	1,089,484	0	0.0	1	0.1	8	0.7	2	0.2
<b>STATEWIDE TOTALS</b>	23,936,227	32	0.1	11	0.0	210	0.9	14	0.1

**HEALTH SERVICE REGION 4 - 2007  
CASES AND RATES (CASES PER 100,000 POPULATION<sup>1</sup>)**

COUNTY	2007 POP.	HANTAVIRUS PULMONARY SYNDROME		HEMOLYTIC UREMIC SYNDROME		HEPATITIS A, ACUTE		HEPATITIS B, ACUTE	
		CASES	RATES	CASES	RATES	CASES	RATES	CASES	RATES
ANDERSON	58,152	0	0.0	1	1.7	0	0.0	1	1.7
BOWIE	91,729	0	0.0	0	0.0	1	1.1	1	1.1
CAMP	13,121	0	0.0	0	0.0	0	0.0	2	15.2
CASS	30,235	0	0.0	0	0.0	0	0.0	1	3.3
CHEROKEE	50,385	0	0.0	1	2.0	1	2.0	2	4.0
DELTA	5,367	0	0.0	0	0.0	0	0.0	0	0.0
FRANKLIN	9,457	0	0.0	0	0.0	1	10.6	0	0.0
GREGG	118,278	0	0.0	0	0.0	2	1.7	11	9.3
HARRISON	66,425	0	0.0	0	0.0	0	0.0	2	3.0
HENDERSON	81,694	0	0.0	1	1.2	0	0.0	3	3.7
HOPKINS	33,636	0	0.0	0	0.0	2	5.9	2	5.9
LAMAR	50,229	0	0.0	0	0.0	0	0.0	2	4.0
MARION	11,252	0	0.0	1	8.9	0	0.0	1	8.9
MORRIS	13,245	0	0.0	0	0.0	0	0.0	0	0.0
PANOLA	23,485	0	0.0	0	0.0	0	0.0	1	4.3
RAINS	11,875	0	0.0	0	0.0	0	0.0	2	16.8
RED RIVER	14,416	0	0.0	0	0.0	0	0.0	0	0.0
RUSK	49,378	0	0.0	0	0.0	0	0.0	2	4.1
SMITH	193,377	0	0.0	0	0.0	2	1.0	3	1.6
TITUS	30,404	0	0.0	0	0.0	1	3.3	3	9.9
UPSHUR	38,161	0	0.0	0	0.0	0	0.0	4	10.5
VAN ZANDT	53,933	0	0.0	0	0.0	1	1.9	2	3.7
WOOD	41,250	0	0.0	0	0.0	1	2.4	1	2.4
<b>REGIONAL TOTALS</b>	1,089,484	0	0.0	3	0.3	12	1.1	46	4.2
<b>STATEWIDE TOTALS</b>	23,936,227	3	0.0	11	0.0	264	1.1	741	3.1

**HEALTH SERVICE REGION 4 - 2007  
CASES AND RATES (CASES PER 100,000 POPULATION<sup>1</sup>)**

COUNTY	2007 POP.	HEPATITIS B, PERINATAL <sup>3</sup>		HEPATITIS C, ACUTE		HEPATITIS D, ACUTE		INFLUENZA-ASSOC PEDIATRIC MORTALITY <sup>4</sup>	
		CASES	RATES	CASES	CASES	CASES	RATES	CASES	RATES
ANDERSON	58,152	0	0.0	0	0.0	0	0.0	0	0.0
BOWIE	91,729	0	0.0	0	0.0	0	0.0	0	0.0
CAMP	13,121	0	0.0	0	0.0	0	0.0	0	0.0
CASS	30,235	0	0.0	0	0.0	0	0.0	0	0.0
CHEROKEE	50,385	0	0.0	3	6.0	0	0.0	0	0.0
DELTA	5,367	0	0.0	0	0.0	0	0.0	0	0.0
FRANKLIN	9,457	0	0.0	0	0.0	0	0.0	0	0.0
GREGG	118,278	0	0.0	2	1.7	0	0.0	0	0.0
HARRISON	66,425	0	0.0	0	0.0	0	0.0	0	0.0
HENDERSON	81,694	0	0.0	1	1.2	0	0.0	0	0.0
HOPKINS	33,636	0	0.0	0	0.0	0	0.0	0	0.0
LAMAR	50,229	0	0.0	1	2.0	0	0.0	0	0.0
MARION	11,252	0	0.0	0	0.0	0	0.0	0	0.0
MORRIS	13,245	0	0.0	0	0.0	0	0.0	0	0.0
PANOLA	23,485	0	0.0	0	0.0	0	0.0	0	0.0
RAINS	11,875	0	0.0	0	0.0	0	0.0	0	0.0
RED RIVER	14,416	0	0.0	1	6.9	0	0.0	0	0.0
RUSK	49,378	0	0.0	0	0.0	0	0.0	0	0.0
SMITH	193,377	0	0.0	0	0.0	0	0.0	0	0.0
TITUS	30,404	0	0.0	0	0.0	0	0.0	0	0.0
UPSHUR	38,161	0	0.0	1	2.6	0	0.0	0	0.0
VAN ZANDT	53,933	0	0.0	1	1.9	0	0.0	0	0.0
WOOD	41,250	0	0.0	0	0.0	0	0.0	0	0.0
<b>REGIONAL TOTALS</b>	1,089,484	0	0.0	10	0.9	0	0.0	0	0.0
<b>STATEWIDE TOTALS</b>	23,936,227	3	0.4	67	0.3	2	0.0	13	0.2

**HEALTH SERVICE REGION 4 - 2007  
CASES AND RATES (CASES PER 100,000 POPULATION<sup>1</sup>)**

COUNTY	2007 POP.	LEGIONELLOSIS		LEISHMANIASIS		LISTERIOSIS		LYME DISEASE	
		CASES	RATES	CASES	RATES	CASES	RATES	CASES	RATES
ANDERSON	58,152	0	0.0	0	0.0	5	8.6	1	1.7
BOWIE	91,729	0	0.0	0	0.0	0	0.0	0	0.0
CAMP	13,121	0	0.0	0	0.0	0	0.0	0	0.0
CASS	30,235	0	0.0	0	0.0	0	0.0	0	0.0
CHEROKEE	50,385	0	0.0	0	0.0	0	0.0	0	0.0
DELTA	5,367	0	0.0	0	0.0	0	0.0	0	0.0
FRANKLIN	9,457	0	0.0	0	0.0	0	0.0	0	0.0
GREGG	118,278	0	0.0	0	0.0	0	0.0	1	0.8
HARRISON	66,425	0	0.0	0	0.0	0	0.0	0	0.0
HENDERSON	81,694	0	0.0	0	0.0	0	0.0	0	0.0
HOPKINS	33,636	0	0.0	0	0.0	0	0.0	0	0.0
LAMAR	50,229	0	0.0	0	0.0	0	0.0	0	0.0
MARION	11,252	0	0.0	0	0.0	1	8.9	0	0.0
MORRIS	13,245	0	0.0	0	0.0	0	0.0	0	0.0
PANOLA	23,485	0	0.0	0	0.0	0	0.0	0	0.0
RAINS	11,875	0	0.0	0	0.0	0	0.0	0	0.0
RED RIVER	14,416	0	0.0	0	0.0	0	0.0	0	0.0
RUSK	49,378	1	2.0	0	0.0	0	0.0	0	0.0
SMITH	193,377	0	0.0	0	0.0	3	1.6	2	1.0
TITUS	30,404	0	0.0	0	0.0	0	0.0	0	0.0
UPSHUR	38,161	0	0.0	0	0.0	2	5.2	0	0.0
VAN ZANDT	53,933	0	0.0	0	0.0	0	0.0	2	3.7
WOOD	41,250	0	0.0	0	0.0	0	0.0	0	0.0
<b>REGIONAL TOTALS</b>	1,089,484	2	0.2	0	0.0	6	0.6	5	0.5
<b>STATEWIDE TOTALS</b>	23,936,227	121	0.5	9	0.0	64	0.3	87	0.4



**HEALTH SERVICE REGION 4 - 2007  
CASES AND RATES (CASES PER 100,000 POPULATION<sup>1</sup>)**

COUNTY	2007 POP.	MALARIA		MEASLES		MENINGITIS, ASEPTIC		MENINGITIS, BACTERIAL	
		CASES	RATES	CASES	RATES	CASES	RATES	CASES	RATES
ANDERSON	58,152	0	0.0	0	0.0	0	0.0	0	0.0
BOWIE	91,729	0	0.0	0	0.0	8	8.7	0	0.0
CAMP	13,121	0	0.0	0	0.0	0	0.0	0	0.0
CASS	30,235	0	0.0	0	0.0	1	3.3	1	3.3
CHEROKEE	50,385	0	0.0	0	0.0	3	6.0	0	0.0
DELTA	5,367	0	0.0	0	0.0	0	0.0	0	0.0
FRANKLIN	9,457	0	0.0	0	0.0	1	10.6	0	0.0
GREGG	118,278	0	0.0	0	0.0	5	4.2	5	4.2
HARRISON	66,425	0	0.0	0	0.0	1	1.5	1	1.5
HENDERSON	81,694	0	0.0	0	0.0	7	8.6	2	2.4
HOPKINS	33,636	0	0.0	0	0.0	1	3.0	0	0.0
LAMAR	50,229	0	0.0	0	0.0	3	6.0	3	6.0
MARION	11,252	0	0.0	0	0.0	0	0.0	1	8.9
MORRIS	13,245	0	0.0	0	0.0	0	0.0	0	0.0
PANOLA	23,485	0	0.0	0	0.0	0	0.0	1	4.3
RAINS	11,875	0	0.0	0	0.0	1	8.4	0	0.0
RED RIVER	14,416	0	0.0	0	0.0	0	0.0	0	0.0
RUSK	49,378	0	0.0	0	0.0	2	4.1	1	2.0
SMITH	193,377	0	0.0	0	0.0	24	12.4	3	1.6
TITUS	30,404	0	0.0	0	0.0	0	0.0	0	0.0
UPSHUR	38,161	0	0.0	0	0.0	3	7.9	3	7.9
VAN ZANDT	53,933	0	0.0	0	0.0	4	7.4	0	0.0
WOOD	41,250	0	0.0	0	0.0	5	12.1	0	0.0
<b>REGIONAL TOTALS</b>	1,089,484	0	0.0	0	0.0	74	6.8	21	1.9
<b>STATEWIDE TOTALS</b>	23,936,227	130	0.5	7	0.0	2,126	8.9	385	1.6

**HEALTH SERVICE REGION 4 - 2007  
CASES AND RATES (CASES PER 100,000 POPULATION<sup>1</sup>)**

COUNTY	2007 POP.	MENINGITIS, OTHER		MENINGOCOCCAL INFECTION		MUMPS		PERTUSSIS	
		CASES	RATES	CASES	RATES	CASES	RATES	CASES	RATES
ANDERSON	58,152	1	1.7	1	1.7	11	18.9	2	3.4
BOWIE	91,729	2	2.2	0	0.0	0	0.0	2	2.2
CAMP	13,121	0	0.0	0	0.0	0	0.0	4	30.5
CASS	30,235	0	0.0	0	0.0	0	0.0	1	3.3
CHEROKEE	50,385	0	0.0	0	0.0	0	0.0	1	2.0
DELTA	5,367	0	0.0	0	0.0	0	0.0	0	0.0
FRANKLIN	9,457	0	0.0	0	0.0	0	0.0	0	0.0
GREGG	118,278	1	0.8	1	0.8	0	0.0	2	1.7
HARRISON	66,425	2	3.0	0	0.0	0	0.0	1	1.5
HENDERSON	81,694	0	0.0	0	0.0	0	0.0	4	4.9
HOPKINS	33,636	0	0.0	0	0.0	0	0.0	2	5.9
LAMAR	50,229	0	0.0	1	2.0	0	0.0	0	0.0
MARION	11,252	0	0.0	0	0.0	0	0.0	0	0.0
MORRIS	13,245	0	0.0	0	0.0	0	0.0	0	0.0
PANOLA	23,485	0	0.0	0	0.0	0	0.0	1	4.3
RAINS	11,875	0	0.0	0	0.0	0	0.0	0	0.0
RED RIVER	14,416	0	0.0	0	0.0	0	0.0	0	0.0
RUSK	49,378	0	0.0	1	2.0	0	0.0	1	2.0
SMITH	193,377	1	0.5	0	0.0	1	0.5	7	3.6
TITUS	30,404	0	0.0	0	0.0	0	0.0	1	3.3
UPSHUR	38,161	1	2.6	1	2.6	0	0.0	0	0.0
VAN ZANDT	53,933	1	1.9	0	0.0	0	0.0	0	0.0
WOOD	41,250	0	0.0	0	0.0	0	0.0	0	0.0
<b>REGIONAL TOTALS</b>	1,089,484	9	0.8	4	0.4	1	0.1	28	2.6
<b>STATEWIDE TOTALS</b>	23,936,227	101	0.4	55	0.2	21	0.1	1,051	4.4

**HEALTH SERVICE REGION 4 - 2007  
CASES AND RATES (CASES PER 100,000 POPULATION<sup>1</sup>)**

COUNTY	2007 POP.	PRIMARY AMOEBIC MENINGOENCEPHALITIS		Q FEVER		SALMONELLOSIS		SHIGELLOSIS	
		CASES	RATES	CASES	RATES	CASES	RATES	CASES	RATES
ANDERSON	58,152	0	0.0	0	0.0	0	0.0	2	3.4
BOWIE	91,729	0	0.0	0	0.0	9	9.8	1	1.1
CAMP	13,121	0	0.0	0	0.0	2	15.2	0	0.0
CASS	30,235	0	0.0	0	0.0	3	9.9	0	0.0
CHEROKEE	50,385	0	0.0	0	0.0	8	15.9	2	4.0
DELTA	5,367	0	0.0	0	0.0	0	0.0	1	18.6
FRANKLIN	9,457	0	0.0	0	0.0	3	31.7	0	0.0
GREGG	118,278	0	0.0	0	0.0	15	12.7	1	0.8
HARRISON	66,425	0	0.0	0	0.0	4	6.0	1	1.5
HENDERSON	81,694	0	0.0	0	0.0	19	23.3	0	0.0
HOPKINS	33,636	0	0.0	0	0.0	3	8.9	1	3.0
LAMAR	50,229	0	0.0	0	0.0	9	17.9	1	2.0
MARION	11,252	0	0.0	0	0.0	3	26.7	1	8.9
MORRIS	13,245	0	0.0	0	0.0	2	15.1	1	7.6
PANOLA	23,485	0	0.0	0	0.0	4	17.0	1	4.3
RAINS	11,875	0	0.0	0	0.0	2	16.8	0	0.0
RED RIVER	14,416	0	0.0	0	0.0	3	20.8	0	0.0
RUSK	49,378	0	0.0	0	0.0	6	12.2	3	6.1
SMITH	193,377	0	0.0	0	0.0	48	24.8	20	10.3
TITUS	30,404	0	0.0	0	0.0	1	3.3	0	0.0
UPSHUR	38,161	0	0.0	0	0.0	8	21.0	1	2.6
VAN ZANDT	53,933	0	0.0	0	0.0	11	20.4	0	0.0
WOOD	41,250	0	0.0	0	0.0	11	26.7	2	4.8
<b>REGIONAL TOTALS</b>	1,089,484	0	0.0	0	0.0	185	17.0	39	3.6
<b>STATEWIDE TOTALS</b>	23,936,227	2	0.0	11	0.0	3,534	14.8	2,358	9.9

**HEALTH SERVICE REGION 4 - 2007  
CASES AND RATES (CASES PER 100,000 POPULATION<sup>1</sup>)**

COUNTY	2007 POP.	SPOTTED FEVER GP RICKETTSIOSES		STREPTOCOCCUS, GROUP A		STREPTOCOCCUS, GROUP B		STREPTOCOCCUS PNEUMONIAE	
		CASES	RATES	CASES	RATES	CASES	RATES	CASES	RATES
ANDERSON	58,152	0	0.0	16	27.5	0	0.0	0	0.0
BOWIE	91,729	1	1.1	1	1.1	2	2.2	4	4.4
CAMP	13,121	0	0.0	0	0.0	0	0.0	0	0.0
CASS	30,235	0	0.0	0	0.0	1	3.3	4	13.2
CHEROKEE	50,385	1	2.0	0	0.0	0	0.0	2	4.0
DELTA	5,367	0	0.0	0	0.0	0	0.0	0	0.0
FRANKLIN	9,457	0	0.0	0	0.0	0	0.0	0	0.0
GREGG	118,278	0	0.0	2	1.7	8	6.8	27	22.8
HARRISON	66,425	0	0.0	0	0.0	2	3.0	2	3.0
HENDERSON	81,694	0	0.0	0	0.0	1	1.2	8	9.8
HOPKINS	33,636	0	0.0	0	0.0	1	3.0	0	0.0
LAMAR	50,229	0	0.0	0	0.0	0	0.0	5	10.0
MARION	11,252	0	0.0	0	0.0	0	0.0	0	0.0
MORRIS	13,245	0	0.0	0	0.0	0	0.0	1	7.6
PANOLA	23,485	0	0.0	0	0.0	0	0.0	1	4.3
RAINS	11,875	1	8.4	0	0.0	0	0.0	0	0.0
RED RIVER	14,416	0	0.0	0	0.0	0	0.0	0	0.0
RUSK	49,378	0	0.0	0	0.0	0	0.0	3	6.1
SMITH	193,377	0	0.0	2	1.0	4	2.1	19	9.8
TITUS	30,404	0	0.0	0	0.0	0	0.0	1	3.3
UPSHUR	38,161	0	0.0	0	0.0	2	5.2	3	7.9
VAN ZANDT	53,933	0	0.0	2	3.7	1	1.9	4	7.4
WOOD	41,250	0	0.0	0	0.0	0	0.0	2	4.8
<b>REGIONAL TOTALS</b>	1,089,484	3	0.3	9	0.8	22	2.0	102	9.4
<b>STATEWIDE TOTALS</b>	23,936,227	49	0.2	281	1.2	433	1.8	1,417	5.9

**HEALTH SERVICE REGION 4 - 2007  
CASES AND RATES (CASES PER 100,000 POPULATION<sup>1</sup>)**

COUNTY	2007 POP.	TULAREMIA		TYPHOID FEVER		TYPHUS, MURINE	
		CASES	RATES	CASES	RATES	CASES	RATES
ANDERSON	58,152	0	0.0	0	0.0	0	0.0
BOWIE	91,729	0	0.0	0	0.0	0	0.0
CAMP	13,121	0	0.0	0	0.0	0	0.0
CASS	30,235	0	0.0	0	0.0	0	0.0
CHEROKEE	50,385	0	0.0	0	0.0	0	0.0
DELTA	5,367	0	0.0	0	0.0	0	0.0
FRANKLIN	9,457	0	0.0	0	0.0	0	0.0
GREGG	118,278	0	0.0	0	0.0	0	0.0
HARRISON	66,425	0	0.0	0	0.0	0	0.0
HENDERSON	81,694	0	0.0	0	0.0	0	0.0
HOPKINS	33,636	0	0.0	0	0.0	0	0.0
LAMAR	50,229	0	0.0	0	0.0	0	0.0
MARION	11,252	0	0.0	0	0.0	0	0.0
MORRIS	13,245	0	0.0	0	0.0	0	0.0
PANOLA	23,485	0	0.0	0	0.0	0	0.0
RAINS	11,875	0	0.0	0	0.0	0	0.0
RED RIVER	14,416	0	0.0	0	0.0	0	0.0
RUSK	49,378	0	0.0	0	0.0	0	0.0
SMITH	193,377	0	0.0	0	0.0	0	0.0
TITUS	30,404	0	0.0	0	0.0	0	0.0
UPSHUR	38,161	0	0.0	0	0.0	0	0.0
VAN ZANDT	53,933	0	0.0	0	0.0	0	0.0
WOOD	41,250	0	0.0	0	0.0	0	0.0
<b>REGIONAL TOTALS</b>	1,089,484	0	0.0	0	0.0	0	0.0
<b>STATEWIDE TOTALS</b>	23,936,227	1	0.0	22	0.1	169	0.7

**HEALTH SERVICE REGION 4 - 2007  
CASES AND RATES (CASES PER 100,000 POPULATION<sup>1</sup>)**

COUNTY	2007 POP.	VIBRIO PARAHAEMOLYTICUS		VIBRIO VULNIFICUS		VIBRIO OTHER/UNSPECIFIED		VISA	
		CASES	RATES	CASES	RATES	CASES	RATES	CASES	RATES
ANDERSON	58,152	0	0.0	0	0.0	0	0.0	0	0.0
BOWIE	91,729	1	1.1	0	0.0	0	0.0	0	0.0
CAMP	13,121	0	0.0	0	0.0	0	0.0	0	0.0
CASS	30,235	0	0.0	0	0.0	0	0.0	0	0.0
CHEROKEE	50,385	0	0.0	0	0.0	0	0.0	0	0.0
DELTA	5,367	0	0.0	0	0.0	0	0.0	0	0.0
FRANKLIN	9,457	0	0.0	0	0.0	0	0.0	0	0.0
GREGG	118,278	0	0.0	0	0.0	0	0.0	0	0.0
HARRISON	66,425	0	0.0	0	0.0	0	0.0	0	0.0
HENDERSON	81,694	0	0.0	0	0.0	0	0.0	0	0.0
HOPKINS	33,636	0	0.0	0	0.0	0	0.0	0	0.0
LAMAR	50,229	0	0.0	0	0.0	0	0.0	0	0.0
MARION	11,252	0	0.0	0	0.0	0	0.0	0	0.0
MORRIS	13,245	0	0.0	0	0.0	0	0.0	0	0.0
PANOLA	23,485	0	0.0	0	0.0	0	0.0	0	0.0
RAINS	11,875	0	0.0	0	0.0	0	0.0	0	0.0
RED RIVER	14,416	0	0.0	0	0.0	0	0.0	0	0.0
RUSK	49,378	0	0.0	0	0.0	0	0.0	0	0.0
SMITH	193,377	0	0.0	0	0.0	0	0.0	0	0.0
TITUS	30,404	0	0.0	0	0.0	0	0.0	0	0.0
UPSHUR	38,161	0	0.0	0	0.0	0	0.0	0	0.0
VAN ZANDT	53,933	0	0.0	0	0.0	0	0.0	0	0.0
WOOD	41,250	0	0.0	0	0.0	0	0.0	0	0.0
<b>REGIONAL TOTALS</b>	1,089,484	1	0.1	0	0.0	0	0.0	0	0.0
<b>STATEWIDE TOTALS</b>	23,936,227	15	0.1	26	0.1	19	0.1	3	0.0

**HEALTH SERVICE REGION 4 - 2007  
CASES AND RATES (CASES PER 100,000 POPULATION<sup>1</sup>)**

COUNTY	2007 POP.	WEST NILE FEVER		WEST NILE NEUROINVASIVE DISEASE		YERSINIOSIS	
		CASES	RATES	CASES	RATES	CASES	RATES
ANDERSON	58,152	0	0.0	0	0.0	0	0.0
BOWIE	91,729	0	0.0	1	1.1	0	0.0
CAMP	13,121	0	0.0	0	0.0	0	0.0
CASS	30,235	0	0.0	0	0.0	0	0.0
CHEROKEE	50,385	0	0.0	0	0.0	0	0.0
DELTA	5,367	0	0.0	0	0.0	0	0.0
FRANKLIN	9,457	1	10.6	0	0.0	0	0.0
GREGG	118,278	1	0.8	0	0.0	0	0.0
HARRISON	66,425	0	0.0	0	0.0	0	0.0
HENDERSON	81,694	0	0.0	0	0.0	0	0.0
HOPKINS	33,636	0	0.0	0	0.0	0	0.0
LAMAR	50,229	0	0.0	0	0.0	0	0.0
MARION	11,252	0	0.0	0	0.0	0	0.0
MORRIS	13,245	0	0.0	0	0.0	0	0.0
PANOLA	23,485	0	0.0	1	4.3	0	0.0
RAINS	11,875	0	0.0	0	0.0	0	0.0
RED RIVER	14,416	0	0.0	0	0.0	0	0.0
RUSK	49,378	0	0.0	0	0.0	0	0.0
SMITH	193,377	0	0.0	0	0.0	1	0.5
TITUS	30,404	0	0.0	0	0.0	0	0.0
UPSHUR	38,161	0	0.0	0	0.0	0	0.0
VAN ZANDT	53,933	0	0.0	0	0.0	0	0.0
WOOD	41,250	0	0.0	0	0.0	0	0.0
<b>REGIONAL TOTALS</b>	1,089,484	2	0.2	2	0.2	1	0.1
<b>STATEWIDE TOTALS</b>	23,936,227	90	0.4	170	0.7	10	0.0

<sup>1</sup> DSHS Center for Health Statistics projected 2007 Texas population data  
<http://www.dshs.state.tx.us/chs/popdat/detailX.shtm> accessed 1/7/2005.

<sup>2</sup> Infant botulism rates are calculated using population under 1 year of age.

<sup>3</sup> Perinatal hepatitis B rates are calculated using population under 2 years of age.

<sup>4</sup> Pediatric influenza deaths are calculated using population under 18 years of age.