

EPIDEMIOLOGY IN TEXAS 2007 ANNUAL REPORT

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Foreword

In medical school in the mid 1970's, I began clinical rotations with two assumptions: first, that since people seemed to be having smaller families, there wouldn't be enough children in the future to make pediatrics a viable career; and second, that given vaccines and all the marvelous antibiotics we'd just studied, infectious disease, although interesting, was going to be a quaint and dying discipline.

Fortunately I was wrong about pediatrics; caring for infants and children has been a very interesting and rewarding career, clinically and in public health. Texas actually needs many more pediatricians and other primary care providers, not fewer.

Unfortunately, I was wrong about infectious disease. Although immunization has made incredible inroads against vaccine preventable diseases, those illnesses still crop up, sometimes with fatal results. Even at lower numbers, "normal" childhood illnesses such as measles and pertussis are not benign, a lesson that current generations have forgotten or have not experienced. Foodborne illnesses still affect thousands of Texans. Influenza remains a leading killer, especially when novel strains develop and spread. Emerging infectious diseases, far from being "already all discovered", continue to present major challenges. Possibly the most devastating of the new pathogens, Human Immunodeficiency Virus (HIV), has taken a heartbreaking toll across the globe. We have also made well-known organisms more dangerous with our marvelous antibiotics. Multiple drug resistant organisms chip away at the arsenal of effective medications; and, unfortunately, there is the potential for use of some infectious agents as weapons.

Infectious disease did not go away.

Disease reporting is a major tool in following the burden of pathogens over time, identifying targets for prevention efforts, and evaluating the success of those interventions. *Epidemiology in Texas 2007* documents surveillance of infectious diseases in 2007, other than tuberculosis, HIV, and sexually transmitted disease (STD). It includes links to reports on the latter conditions as well as links to epidemiological information on non-infectious reportable conditions. This document also includes reports of specific outbreaks and other events of interest at the local and state level.

The document's content represents the efforts of hundreds of public health workers and clinical providers across Texas, at local and state levels. These include epidemiologists and technicians; public health clinicians; food safety, facility safety, and sanitation workers; laboratorians, private and public; providers, also both private and public, who identify and report diseases to public health; providers and entities that participate in ongoing disease surveillance, and the support and auxiliary staff who help keep them all going. It also represents the contributions of members of the public whose cooperation, information, and insight into events make it possible for disease investigations to be successful.

The teamwork and contributions of these individuals and entities is invaluable and much appreciated, and we look forward to continued collaboration. We hope that you will find these data useful.

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Table of Contents

Foreword	i
Contributors	ii
Acknowledgements	iii
Reports	
Botulism Outbreak Associated with a Commercially Canned Product, the Texas Perspective, 2007.....	2-4
Leishmaniasis – Emergence of Endemic Cutaneous Infections in Collin and Denton Counties, Texas, 2005-2007	5-7
Measles Cluster in Texas Associated with an International Youth Sporting Event, 2007	8
Norovirus Outbreak Associated with an Ill Food Server in a Men’s Prison — South Texas, November–December 2007	9-11
Pertussis Outbreak in a Highly Vaccinated Elementary School, Denton County, 2007	12-14
Pertussis Outbreaks in Childhood Education Facilities: Guadalupe and Calhoun Counties, 2007.....	15-18
Rabies in Animals	19-21
Staphylococcus aureus in Texas High School Athletic Department Environments, 2007.....	22-25
Unexplained Deaths in a Correctional Facility: Southwestern Texas, Summer, 2007	26-28
Texas Reported Cases	
Table I. Reported Diseases, 1998-2007	30-32
Table II. Reported Disease Cases per 100,000 Population, 1998-2007	33-34
Table III. Reported Diseases by Month, 2007	35
Table IV. Reported Diseases by Age Group, 2007.....	36
Table V. Reported Disease by Age Group Cases per 100,000 Population, 2007	37-38
Table VI. Reported Diseases by Health Service Region, 2007.....	39
Table VII. Reported Disease by Health Service Region Cases per 100,000 Population, 2007.....	40
Regional Statistical Summaries	
Health Service Region 1.....	43-57
Health Service Region 2	59-74
Health Service Region 3	75-83
Health Service Region 4.....	85-99
Health Service Region 5.....	101-108
Health Service Region 6	109-116
Health Service Region 7	117-131
Health Service Region 8.....	133-147
Health Service Region 9.....	149-161
Health Service Region 10	163-168
Health Service Region 11	169-176
Appendix	
Notifiable Conditions in Texas (2007).....	178
Texas County Locator Map	179
Links	180

Reports



Botulism Outbreak Associated with a Commercially Canned Product, the Texas Perspective, 2007

Botulism is a bacterial disease caused by *Clostridium botulinum*, a spore-forming organism. The spores themselves are harmless. However, under anaerobic conditions and in the absence of other microorganisms, botulism spores can germinate and begin producing and releasing botulinum toxin. Foodborne botulism occurs after a person ingests preformed toxin in a food item. The incubation period for botulism ranges from 6 hours to 10 days, usually 12-36 hours. The toxin paralyzes muscles, and the initial symptoms commonly are blurred and/or double vision, slurred speech, and drooping eyelids. Flaccid paralysis is symmetric and descends rapidly beginning at the shoulders followed by upper arms, lower arms, thighs, then calves. Later symptoms often include paralysis of the respiratory muscles, as well as most of the skeletal muscles. An antitoxin, produced in horses, prevents further progression of the condition but cannot reverse the symptoms. Recovery is usually complete or nearly so, but takes several months.

Foodborne Outbreak

On a Saturday evening in early July of 2007, a hospital clinician in a mid-sized West Texas city called the physician-on-call at the Texas Department of State Health Services about two suspected cases of botulism. The patients were pre-teen and teenaged siblings. Both had onset of neurological symptoms during the previous week. The pre-teen patient had been admitted to this hospital a few days earlier, with progressing symptoms that necessitated mechanical ventilation. The teen patient had been admitted to a smaller hospital near the family's home, but none of the staff in either hospital was aware that there were two siblings with similar symptoms. The teen patient was transferred to the larger hospital because his condition had worsened, and he was also placed on a ventilator. When the physicians saw the similarities between the siblings' symptoms, they determined that botulism was a more likely diagnosis for both than any of the multiple degenerative neurological conditions they were considering.

The lead DSHS foodborne disease epidemiologist immediately called the DSHS regional office, DSHS food regulatory partners, DSHS laboratory, hospital physicians, and CDC. The regional epidemiologist went to the hospital and interviewed the two patients and their mother, who also had mild symptoms of botulism. Serum and stool specimens were collected for all three family members, and detailed food histories were taken.

The only suspicious food item that the three family members had consumed was a commercially canned hot dog chili sauce, eaten on buns with hot dogs. These had been eaten 9 days earlier, 1-2 days before the onset of symptoms. No leftover chili was available for testing, but an unopened can purchased at the same time was collected. Botulinum antitoxin was released by the CDC, sent to the hospital, and administered to the two siblings. Clinical specimens obtained from the three family members were negative for botulism, as was the chili in the unused can.

A week later, in Indiana, a married couple was hospitalized with suspected botulism. They had some leftover chili sauce in their refrigerator, and an empty can in their recycling bin. The can of chili was of the same brand and type that the Texas family had reported eating. Clinical specimens from both patients demonstrated botulinum toxin activity. The leftover chili also grew out *Clostridium botulinum*, and demonstrated *botulinum* toxin type A activity, but the empty can was negative for botulism.

The FDA issued a recall for the hot dog chili sauce, and also determined that the can purchased by the Indiana couple had been produced just 5 hours after the can purchased by the Texas family. Eventually, the recall was expanded to include 91 types of canned foods produced at the same plant. The company had reserved 17 cans of the hot dog chili sauce produced on the same day as the cans associated with illnesses in Texas and Indiana. These were held because of concerns that there had been production deficiencies on those dates that could have allowed botulism spores to germinate in the cans and produce toxin. After the recall, these cans were tested and 16 demonstrated *botulinum* toxin A activity. The company closed to conduct an investigation and recall products from 8,500 retail stores.

The three Texas case-patients in the 2007 outbreak made near-complete recoveries after several months of hospitalization and rehabilitation. Besides the two Indiana cases, only one additional case in California has been linked to the chili hot dog sauce.

Of interest, DSHS learned that the pre-teen Texas patient, who was the most seriously ill of the three, had consumed 6 chili hot dogs. Her brother, who was

not quite as ill, ate 3 chili hot dogs. Their mother, who had only mild symptoms, consumed just one chili hot dog. These findings show a clear dose-response, with severity of symptoms being correlated with the amount of contaminated food eaten.

Foodborne botulism cases in the US are usually associated with home-canned foods. The commercial canning process used today was, in fact, developed and implemented as a means of preventing botulism cases. This effort has been very effective, and the last botulism outbreak associated with a commercially canned product occurred more than 45 years ago. A single suspected case of foodborne botulism triggers an immediate investigation, as the public health implications are huge.

Botulism Surveillance

There are at least three other kinds of botulism, but none of these are public health threats even though they are just as serious for the patients as foodborne botulism. *Infant botulism* occurs in children < 1 year of age. Infants take at least several months to acquire the beneficial bacteria that normally colonize the human colon. These organisms easily overgrow and inhibit the germination of any botulism spores that might be ingested. Affected babies present with a "floppy baby" syndrome, and often

require ventilatory support. The antitoxin for babies is produced in humans, usually laboratorians who commonly work with the organism. *Wound botulism* occurs in persons who have a puncture or other closed wound which results in low oxygen conditions locally. Botulism spores germinate in the wound and produce toxin that circulates around the body. Over the past decade or so, wound botulism cases have been detected in injection drug users, who commonly use nonsterile needles that can cause abscesses. Other botulism types include a form of colon colonization that can occur in adults who have a procedure or take antibiotics that clear the normal microbes from the colon, enabling botulism spores to germinate and produce toxin in the body. The case definitions and numbers of cases of the different kinds of botulism are given in Figure 1 on page 11 and Table 1 below.

Reference:

CDC. Botulism Associated with Commercially Canned Chili Sauce --- Texas and Indiana, July 2007. MMWR. 2007;56 (Dispatch):1-3.

Prepared by Infectious Disease Control Unit,
(512) 458-7111, extension 6358

Table 1. Number of reported cases of botulism in Texas, 2000-2009

Year	Type of Botulism				Total
	Foodborne	Infant	Wound	Other	
2000	0	8	0	0	8
2001	16	4	0	0	20
2002	1	1	1	1	4
2003	0	1	1	2	4
2004	0	3	1	0	4
2005	0	1	0	1	2
2006	0	5	1	0	6
2007	3	4	0	0	7
2008	0	8	1	1	10
2009	0	4	0	0	4
Average	2.0	3.9	0.5	0.5	6.9

Figure 1.

Botulism types with case definitions

Type of botulism	Laboratory confirmation criteria	Case classification
Foodborne	Detection of botulinum toxin in serum, stool, or patient’s food; or Isolation of <i>Clostridium botulinum</i> from stool	Confirmed: a clinically compatible case that is laboratory confirmed or that occurs among persons who ate the same food as persons who have laboratory-confirmed botulism Probable: a clinically compatible case with a history of ingestion of a food item known to carry a risk for the botulism toxin
Infant	Detection of botulinum toxin in stool or serum; or Isolation of <i>Clostridium botulinum</i> from stool	Confirmed: a clinically compatible case that is laboratory-confirmed, occurring in a child aged less than 1 year
Wound	Detection of botulinum toxin in serum; or Isolation of <i>Clostridium botulinum</i> from wound	Confirmed: a clinically compatible case that is laboratory confirmed in a patient who has no suspected exposure to contaminated food and who has a history of a fresh, contaminated wound during the 2 weeks before onset of symptoms
Other	Detection of botulinum toxin in clinical specimen; or Isolation of <i>Clostridium botulinum</i> from clinical specimen	Confirmed: a clinically compatible case that is laboratory confirmed in a patient aged greater than or equal to 1 year who has no history of ingestion of suspect food and has no wounds

Leishmaniasis – Emergence of Endemic Cutaneous Infections in Collin and Denton Counties, Texas, 2005-2007

Leishmaniasis is a parasitic vector-borne disease which is occasionally found in the most southern regions of Texas, but unusual in North Texas. Prior to 2005, endemic *Leishmania mexicana* cases reported in Texas were identified primarily among residents of Central and South Texas, or persons with travel history to South Texas. The only indigenous leishmaniasis infections that have been documented north of San Antonio are two cases in Brown County (1988 and 1992) and one in Shackelford County (1994) (1,2). Findings from two investigations provide additional documentation of the transmission of *L. mexicana* in North Texas and document the presence of *Lutzomyia anthropora*, a sand fly and likely vector of *L. mexicana* in one of the counties of residence.

Life Cycle and Reservoir

Leishmania is an obligate intracellular parasite. The flagellate form exists in the macrophages of a vertebrate host. In the Americas, flies in the *Lutzomyia* family ingest the parasites during blood meals, and the parasite may be transmitted via the proboscis during subsequent blood meals.

The majority of cases of human leishmaniasis in the Americas are found from Southern Mexico through Argentina. Although three complexes (*L. mexicana*, *L. braziliensis* and *L. peruviana*) are responsible for the cases of cutaneous leishmaniasis that occur in North and South America, only *L. mexicana* has been identified in the United States (3). The distribution of *L. mexicana* extends from Brazil through Central America, Mexico and southern Texas. *L. mexicana* is characterized by cutaneous lesions that are usually found on the face or extremities. *L. mexicana* may spread to the lymph nodes, although this is rare. Symptoms begin as itchy erythematous lesions, which develop into papules and then into painless ulcers. While lesions generally resolve on their own within weeks or months, they may persist more than a year, and can cause significant scarring. The disease process may be altered in persons with weakened immune systems, such as those living with HIV/AIDS or persons undergoing immune-suppressing therapies. Incubation varies from one week to several months.

The reservoir for *L. mexicana* in South and West Texas is most likely *Neotoma micropus*, also known as the Southern Plains Woodrat, and it is transmitted from animal to animal via various species of sand fly.

This species of woodrat prefers to construct its home out of sticks in thickets of cacti, mesquite, or other thorny brush. Humans are incidental hosts in the leishmaniasis life cycle, and living in close proximity to *N. micropus* habitat has been identified as a risk factor. In 1990, *L. mexicana* was isolated from *N. micropus* in Zavala County (4), and during 1998-2000 *L. mexicana* was isolated from multiple *N. micropus* specimens in Bexar County (5).

Denton and Collin Counties have been thought to be outside the range of *N. micropus*, although it is possible that range has extended. However, these counties are within range of the Eastern Woodrat, *Neotoma floridana*. McHugh et al (6) isolated *L. mexicana* from an Eastern Woodrat collected in Grimes County. The Eastern Woodrat lives in borrows at the base of oak and other trees or around fallen logs. Given the ecology of Denton and Collin Counties, the Eastern Woodrat may be the reservoir for *L. mexicana* in North Central Texas. Further research is needed to confirm this.

The most likely vector for leishmaniasis in Texas is *Lu. anthropora*. While a number of *Lutzomyia* species exist in Texas, to our knowledge *L. mexicana* has only been isolated from *Lu. anthropora* which is a nest associate of *Neotoma* species. Similar to mosquitoes, female sand flies typically feed at dawn and dusk and are susceptible to DEET. Transmission to humans is most likely to occur in settings in which humans encroach on enzootic areas. This encroachment results in ecological changes, disrupting the disease cycle and modifying the epidemiology of the disease.

Surveillance Summary

From 2005 through 2007, the Texas Department of State Health Services Region 2/3 became aware of 13 cases of cutaneous leishmaniasis in the North Central Texas area (Table 1). Ages ranged from 8 to 82 years and 7 of the 13 were female. The cases all resided in counties on the periphery of the Dallas-Fort Worth Metroplex. This distribution is consistent with previous epidemiological reports of leishmaniasis in Texas, which found residences to be located in either rural or suburban areas (1).

In 2008, Wright et al reported a cluster of 9 cases in the Dallas Fort Worth (DFW) Metroplex and surrounding counties (7). Eight of these cases are included in Table 1.

During 2007, the first year leishmaniasis was reportable in Texas, 9 cases were reported statewide in the following counties: Collin-1, Denton-1, Ellis-2, Grayson-1, Hill-1, Tarrant-2, Travis-1.

Table 1. Reported cutaneous leishmaniasis infections, Health Service Region 2/3, 2005-2007 Case Reports

Year	County	Gender	Location of lesion
2005	Collin	Female	Face, Arm
2005	Ellis	Male	Arm
2005	Fannin	Male	Wrist
2006	Collin	Female	Forehead
2006	Collin	Female	Nose
2006	Grayson	Female	Eyelid
2006	Wise	Male	Abdomen
2007	Denton	Female	Cheek
2007	Ellis	Female	Chest
2007	Ellis	Male	Back
2007	Grayson	Female	Wrist
2007	Tarrant	Female	Face
2007	Tarrant	Male	Leg

Case 1

In December 2005, a young female resident of Collin County presented with three lesions, two on her face and one on her upper arm. Medical care had included topical and oral antibiotics, topical antifungals, and topical steroids, none of which induced healing. Biopsy in April 2006 yielded a diagnosis of *Leishmania* parasitosis. *L. mexicana* was ultimately identified by culture at the U.S. Centers for Disease Control and Prevention (CDC) and by polymerase chain reaction (PCR) testing at the University of the Incarnate Word in San Antonio.

Case 2

In May 2007, the Denton County Health Department learned of a case of cutaneous leishmaniasis in an elderly woman with symptom onset in March 2007. The patient had one facial lesion. CDC confirmed *L. mexicana* via biopsy, culture, and PCR testing. The patient reported having resided in a rural area of Ellis County until November 2006, raising the possibility the disease was contracted there.

Both cases lived in areas of recent housing development. The Collin County resident lived near an area of hardwood forest. A site visit revealed evidence of recently inhabited woodrat nests in an area in which she often played. The Denton County resident's home was

within one block of pasture area, although she reported little outdoor activity. Neither person remembered a bite. In both counties, CDC light traps were used to attempt to collect sandflies. None were caught in Denton County. In Collin County, *Lu. anthrophora* and *Lu. vexator*, both of which can be vectors for leishmaniasis, were collected at the child's residence. Unfortunately not enough sand flies were collected to perform testing for *Leishmania*.

Suburbanization and Leishmaniasis

Collin and Denton Counties are located on the rural-urban interface of the Dallas-Fort Worth metropolitan area. Both counties experienced significant population growth and encroachment of new home building into areas that are potential vector and reservoir habitat during this time frame, which may explain the emergence of leishmaniasis in these counties. As population expands into formerly uninhabited area, habitats are disturbed, exposing humans to new pathogens. Suburbanization in particular has been shown to be a significant risk factor for leishmaniasis. New construction in previously undeveloped areas allows for new contact between humans and pathogens. The construction of sub- and ex-urban neighborhoods is generally associated with significant habitat destruction as areas are bulldozed for building.

Our investigations document the expansion of the range of *L. mexicana* into North-central Texas, the presence of the sandfly vector in North-central Texas, and the likely interaction of the vector with additional species of reservoir, the Eastern Woodrat. Surveillance for changes in leishmaniasis epidemiology should further define the geographic distribution of the disease in Texas. Previous studies have identified the parasite in both the vector and the reservoir in South Texas, but further research is needed in North-central Texas to delineate the natural epidemiology of transmission between vector and reservoir.

Reporting and Prevention

In 2007, leishmaniasis was made a notifiable condition in Texas. Clinicians should maintain vigilance in the identification of new cases. Confirmatory tests should include biopsy and PCR testing. Persons moving into new housing areas should be aware of the risk of disease and are encouraged to protect themselves from sand fly bites by using recommended mosquito repellants such as DEET, avoiding exposure at night when sand flies bite, and wearing long sleeves and pants when out of doors in wooded areas.

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Oak Tree - Goose Island State Park, © Texas Parks & Wildlife Department

Measles Cluster in Texas Associated with an International Youth Sporting Event, 2007

Measles is a highly infectious acute viral illness characterized by fever, rash, cough, coryza, conjunctivitis and Koplik's spots. Measles is spread by droplet or airborne transmission. The incubation period from exposure to rash onset ranges from 7 to 18 days and the communicable period extends from 5 days before rash onset through 4 days after rash onset. In the 10 years prior to vaccine introduction, annual measles incidence peaked at 85,862 in 1958 in Texas. Since the introduction of vaccine, cases have decreased by 99.9% in Texas. Due to high coverage rates with 2 doses of measles, mumps, and rubella (MMR) vaccine, endemic measles transmission in the US was declared interrupted by a panel of experts in 2000 (1). Genotyping of the viral isolates from US measles patients identified in 1994-2000 confirmed that US strains were related to multiple strains circulating in other countries. In comparison, from 1989-1992, the D3 genotype was the only virus known to be circulating in the US. Nearly all cases and outbreaks of measles in the US and Texas since 2000 have occurred among persons exposed to imported cases from countries where measles is still endemic.

Outbreak control measures can include post-exposure MMR vaccination, post exposure immunoglobulin, isolation of ill individuals and quarantine of susceptible contacts.

On August 16, 2007, measles was diagnosed by the Pennsylvania Department of Health in a Japanese participant at a 10-day international youth sporting event held annually in Pennsylvania. The sporting event included 8 US and 8 international teams; coaches, staff, and 200 boys aged 12-13 years stayed in a residential compound. Access to the residential compound was restricted to team members, event staff, and corporate representatives. The estimated attendance for the outdoor sporting events was 265,000.

There were a total of 6 secondary cases that occurred from the index case, 3 of which were from Texas. Of the 7 cases associated with this outbreak, viral genotyping was successful in 6 of the cases (including all 3 Texas patients) and was identified as measles genotype D5 with identical sequences. This indicates a single chain of transmission. Measles viruses with the same sequence circulated in Japan during 2007.

One of the nine corporate representatives exposed to the index patient at the sporting event subsequently developed measles. He was a US-born man, age 40

years, who had greeted the index patient on August 14. After returning to Texas, he was contacted by public health authorities, informed of his exposure, and advised to see his physician because he had no documentation or recollection of prior measles illness or having received vaccination against measles. He developed a dry cough on August 26th. He visited 3 Houston-area colleges on August 28, the day of his rash onset. At his physician's office on August 29, his temperature was 105.7° F. He was admitted to the hospital on August 29th after experiencing a febrile seizure. He was hospitalized for 4 days with pneumonia and recovered. Specimens collected on August 31 confirmed measles through detection of serum IgM antibodies.

Two male college students aged 20 and 21 years became ill and sought services at the on-campus clinic. The physician contacted the local health department who was aware of the campus being visited by the corporate representative. These students recalled being in close proximity to the corporate representative when he was coughing during an August 28 college visit. The students were US-born, roommates, and from the same town. Each had documentation of 2 appropriately timed routine childhood doses of MMR vaccine from different health facilities. They experienced fever, chills, and myalgias on September 9 and 10. Maculopapular rash appeared 2 days after fever onset, was generalized in one student and limited to the trunk in the other student. Both were laboratory-confirmed. Both had assisted with a youth baseball camp during their potential infectious period, and 189 persons were notified of the possible measles exposure. No additional cases were identified.

The number of cases in this cluster was relatively small compared to the large number of potentially exposed persons. Effective surveillance, prompt public health response by state and local health authorities, and high MMR vaccination coverage levels likely prevented additional cases. The risk of imported measles highlights the importance of maintaining high coverage with MMR vaccine. Obtaining clinical specimens to confirm the diagnosis and identify the genotype is also crucial to understanding the epidemiology of measles in Texas and to determine the original source of infection.

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(512) 458-7111, extension 2632

Norovirus Outbreak Associated with an Ill Food Server in a Men's Prison South Texas, November–December 2007

Noroviruses (family *Caliciviridae*) are infamous for causing acute gastroenteritis on cruise ships, in nursing homes and schools, and in other settings where many people are in close contact for extended periods. Symptoms are usually self-limiting and include nausea, vomiting and/or diarrhea, abdominal cramps, and, less frequently, headaches and fever. Incubation is 24–48 hours and infected persons can transmit the virus from illness onset for up to 2 weeks afterward. Transmission is fecal-oral, usually by person-to-person contact but also by ingestion of contaminated food. Spread can be amplified by close quarters, improperly cleaned environmental surfaces, and poor personal hygiene. Some estimates associate ill food-service workers as the source for half of all norovirus outbreaks (1).

Outbreak Investigation

On November 29, 2007, the Texas Department of State Health Services (DSHS), Health Services Region (HSR) 11, was notified of an outbreak of acute gastrointestinal illness among 108 inmates in a men's maximum-security state prison. HSR 11 initiated an investigation to identify the source, and agent of infection and to determine the scope of illness among inmates and prison workers.

The affected prison houses up to 2,818 male inmates and has three categories of housing: 1) an administrative segregation building containing 504 solitary cells in which inmates are isolated from each other for 23 hours daily; 2) two barracks-style dormitories with a total of 668 beds; and 3) four housing-pod buildings, each containing 432 beds (a total of 1,728 beds) divided among three pods each that are grouped around shared living spaces and recreation areas. All meals at the prison are prepared at the main kitchen and dining facility. The prison is staffed by 708 workers, including 530 guards.

Initial investigation indicated the index patient was an inmate aged 45 years who worked as a food server. He reported to the medical unit on November 27 with vomiting, diarrhea, and headache and was the only inmate to report illness that day. The patient lived in a dormitory, but his job assignment was to deliver food trays to inmates in the administrative segregation building. The ill inmate served food November 27, but did not work November 28. Several hours after the evening meal on November 28, inmates began reporting to the medical unit with diarrhea and/or vomiting. Of the 73 inmates reporting illness that evening, 66 (90.4%) were from the administrative segregation building. The number of ill

inmates and occurrence of illness so soon after mealtime led prison officials to initially suspect a foodborne cause. On November 29, an additional 55 inmates from other types of housing, including dormitories and housing pods, were ill with similar symptoms, and HSR 11 was notified.

On November 30, an environmental inspector and an epidemiologist from HSR 11 went to the prison to inspect the kitchen, interview staff, collect menus and a list of ill inmates, and obtain food samples. Seven stool specimens from ill inmates were sent to the state health department laboratory for testing for norovirus RNA by reverse transcription–polymerase chain reaction (RT-PCR) and for bacterial pathogens. Food samples were obtained and held pending lab results on the stool specimens. The environmental inspection revealed no major violations of public health regulations related to food preparation, storage, or handling.

Over the next few days, the number of ill inmates increased to include those from all of the housing units. On December 2, the warden suspended weekend visitation and cancelled all nonessential activities. HSR 11 staff recommended disinfecting cells and bathrooms of all ill inmates with a 10 percent chlorine bleach solution.

On December 3, the DSHS laboratory reported that all seven stool specimens were positive for norovirus. Strain typing is not done at the state health department laboratory, however, nor does the laboratory routinely test food or other environmental specimens for the presence of norovirus.

On December 5, the HSR 11 epidemiology team returned to the prison to interview ill inmates and provide guidance on prevention and control of gastrointestinal illnesses. Prison officials had initiated disinfection using a quaternary ammonium compound-based cleaner. Cleaning duties are routinely assigned to inmates, but prison officials consider bleach a controlled substance and would not allow inmates to use it unsupervised. Prison officials said staff was insufficient to supervise cleaning of all cells with bleach, but agreed at this time to supervise cleaning of common areas and dining facilities. Since noroviruses are non-enveloped virus particles, most quaternary ammonium compounds (which act by disrupting viral envelopes) are not as effective for infection control as chlorine bleach (2). The epidemiology team emphasized the importance

of using a 10% bleach solution to disinfect all shared surfaces. Additionally, some inmates reported lack of soap in bathrooms and being returned to food service assignments while still symptomatic.

As a result of these findings, prison officials implemented the following control measures: 1) exclude symptomatic kitchen staff from food handling until 30 days after symptoms have resolved, per prison policy, a period longer than the 48 hours recommended by DSHS; 2) ensure inmates have access to hand soap; 3) disinfect prison contact areas with 10% bleach solution; 4) curtail unit activities except for essential functions; 5) suspend inmate transfers between housing units; 6) suspend public visitation; and 7) segregate dormitories and housing areas during dining and disinfect tables and serving areas after each group has dined.

Illness rates began to decline, gradually decreasing to fewer than 10 per day by December 15. The final case of inmate illness was reported to the medical unit December 28.

Descriptive study

For the descriptive study, a case was defined as an inmate treated at the medical unit for diarrhea and/or vomiting during November 27–December 28. The baseline rate of inmates treated for gastrointestinal illness was 0–2 per month. During this month-long outbreak, 480 of 2,818 inmates (17%) reported to the medical unit with diarrhea and/or vomiting. Illness duration ranged from 2–4 days. Information about symptoms was obtained for 223 (46.5%) inmates from among those who became ill (Table 1).

Table 1. Signs and symptoms reported by prison inmates (n = 223) with illness during a norovirus outbreak, Texas, November–December 2007

Signs and Symptoms	No.	%
Diarrhea	193	86.5
Vomiting	160	71.7
Nausea	55	24.7
Dehydration (requiring intravenous solution)	19	8.5
Fever	2	0.9
Hospitalization	1	0.4
Total	223	

The most common symptom was diarrhea, affecting 193 inmates (86.5%), followed by vomiting, reported by 160 inmates (71.7%). Nausea was reported by 55 inmates (24.7%) and headache by 17 inmates (7.6%). Nineteen inmates (8.5%) required intravenous rehydration. One inmate who had insulin-dependent diabetes was hospitalized overnight. No deaths were reported.

The index patient lived in Building 19, one of two dormitories with barracks-style beds and a shared bathroom. Although all housing units were affected during the outbreak, Building 19 had the highest attack rate of 33.6%, as 111 of 330 inmates became ill (Table 2).

Table 2. Attack rate among prison inmates (n = 469) with illness during a norovirus outbreak, by category of prison housing and housing unit, Texas, November–December 2007

Prison housing category: housing unit	No. ill	Prison population ¹	Attack rate %
Pod housing:	159	1,608	9.9
<i>Bldg. 3</i>	31	419	7.4
<i>Bldg. 4</i>	47	420	11.2
<i>Bldg. 7</i>	45	374	12.0
<i>Bldg. 8</i>	36	395	9.1
Dormitories:	174	663	26.2
<i>Bldg. 18</i>	63	333	18.9
<i>Bldg. 19²</i>	111	330	33.6
Administrative segregation:	136	500	27.2
<i>Bldg. 12³</i>	136	500	27.2
Total/Average	469	2,771	16.9

The index patient delivered food trays to the administrative segregation building. Of 500 inmates in that building, 136 (27.2%) became ill; of those, 103 reported illness within the first 3 days. The outbreak ended more rapidly in the administrative segregation building than in other housing (likely due to the inmates' isolation) declining to less than five per day by the fifth day. In contrast, the transmission rate in Building 19 was slower and more persistent (Figure 1 see next page).

The findings in this report are subject to at least three limitations. First, the extent of the outbreak might have been under-reported because all inmates with illness might not have reported to the medical unit. Second, the broad case definition and subjective reporting of symptoms might have allowed some uninfected inmates to be misclassified as ill. Third, illness magnitude or duration among employees could not be determined because detailed information was not available regarding illness in that subgroup. Approximately 80–85 prison

employees reported gastrointestinal illness during the outbreak; precise numbers and information about job assignments of ill employees were not available because prison officials did not maintain records of ill employees.

Conclusions

In the outbreak at the Texas prison, the first person known to become ill was an inmate who worked in the kitchen. He had onset of vomiting and diarrhea on a day when he served food to other inmates. How the inmate contracted the virus is unknown, but he probably introduced the virus to other inmates and staff by contaminating the food, and the virus then spread by person-to-person transmission. Lack of effective disinfection likely contributed to rapid spread of illness prisonwide. Not all inmates had access to hand soap and a tour of the kitchen revealed soap missing from at least one sink. Prison employees conducted initial disinfection using a quaternary ammonium-based product, which might be ineffective against norovirus. Food-handling duties are coveted assignments in the hierarchy of prison jobs so inmates might have continued to work while symptomatic rather than be assigned to other duties. Also, some inmates might have returned to work in the kitchen before they were symptom-free, which could have further spread the virus. The virus was most quickly contained in the administrative segregation building, where inmates

are in enforced isolation. This finding emphasizes the importance that person-to-person transmission plays in institutional outbreaks.

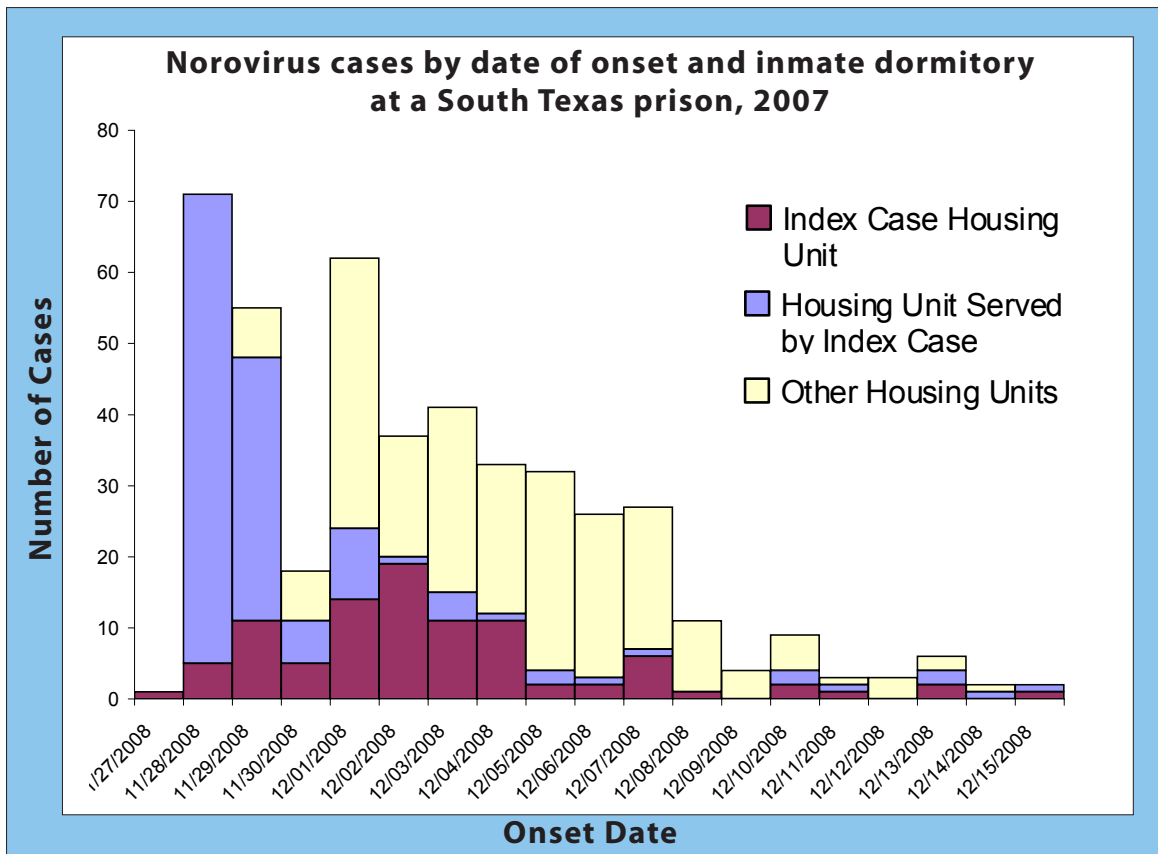
The prison environment, with large confined populations in close quarters, can be particularly vulnerable to outbreaks of Noroviruses. Prevention and control can be hampered by lack of education, security concerns, and housing arrangements. Education about effective cleaning practices and strict adherence to foodhandler guidelines may help to limit norovirus outbreaks in the future.

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Prepared by Texas Department of State Health Services Region 11, (956) 423-0130

Figure 1



Pertussis

During the early 1900s, pertussis was one of the most common causes of childhood morbidity and carried with it a high mortality rate. The introduction of pertussis vaccine in the 1940s dramatically reduced pertussis rates in the US. In Texas, further progress was made in 1971 when pertussis vaccine became required for school attendance. Since the early 2000s, however, pertussis has reemerged as a public health concern (see the *Epidemiology in Texas 2006 Annual Report* for a profile of pertussis in the 2000s). Pertussis occurs cyclically, with peaks every 3-5 years. In 2005, pertussis in Texas peaked at 2,224 cases and 9 deaths. In 2006 and 2007, incidence declined to 954 and 1,051 respectively, although localized outbreaks still occurred. Three such outbreaks are described in the following articles.

Pertussis Outbreak in a Highly Vaccinated Elementary School, Denton County, 2007

The reemergence of pertussis as a public health threat has led to discrete outbreaks of the disease. A school-based pertussis outbreak occurred in Denton County from January through April 2007.

Investigation and Outbreak Control Measures

During the fall of 2006, a school in Denton County had sent home a letter to all parents informing them of the availability of the new Tdap vaccine. This letter included an overview of signs and symptoms of pertussis and mentioned that sporadic cases occur within the community.

At the end of February 2007, 49 days after onset of illness, Denton County Health Department (DCHD) was notified of a case of pertussis in a fourth-grade student who attended this elementary school. The following day, a letter was emailed to all parents alerting them that an individual in the school had been diagnosed with pertussis. This letter discussed the clinical signs and symptoms of the disease and advised parents to take their children to the doctor should they develop symptoms and to seek vaccination for un- or under-vaccinated household members. At that time no recommendations were made for prophylaxis of school-based contacts due to the lag between onset and report.

No new cases were reported until March 20, when the school reported 5 cases to DCHD, signaling an outbreak at the school (1). DCHD instituted an aggressive search for additional cases and identified exposed contacts. Prophylaxis was recommended to those who were still in the incubation period. On March 21, DCHD provided the school nurse with a screening tool to use when evaluating coughing children. Teachers were advised to send all coughing students to the school nurse's office. The school opted to exclude any child with paroxysmal coughing and/or post-tussive vomiting until they had completed an appropriate

course of antimicrobial treatment or, if no antimicrobial treatment was completed, through one incubation period (21 days). As the socioeconomic status of the students was relatively high, none reported difficulty with access to healthcare.

The school consisted of two connected buildings. In one building, grades one and two were housed on the first floor, with pre-K, kindergarten, and the third and fourth grade on the second floor. Grades 5 and 6 were housed in the second building. This school was affiliated with a large church, and upwards of 60% of the students also attended the church.

To control spread through the church, news of the outbreak was announced during services and updates were posted in the church bulletin and emailed to congregation members. Informational letters for parents were posted on the doors of all Sunday school classes and at the church daycare, and more than 4000 copies of the information letter were printed and handed out at both Sunday school and Wednesday evening events.

Local physicians were notified of the outbreak via blast-fax alerts. Alerts included general information about the epidemiology of the outbreak and recommendations for prophylaxis, vaccination, and exclusion.

Within a few days, investigators learned that in preparation for a school program, all of the first graders had been meeting in a large room to rehearse and sing for an hour and a half each day. By this point, 4 cases of pertussis had been confirmed in the first grade. A neighboring county health department had recently identified an outbreak of pertussis among members of a choir, prompting concern about this group of students. The intermingling of the students, combined with the instruction to project their voices (and inadvertently their droplets) was sufficient to recommend prophylaxis for this group.

On March 28, recommendations were made that all first graders seek prophylaxis for pertussis exposure. Letters were sent home to parents informing them of the outbreak and the need for control measures. A listing of all of the students' names and primary care provider was given to the health department and letters were faxed to these physicians identifying their patient as someone who may have been exposed to pertussis and for whom prophylaxis was indicated. Physicians were asked to fax a provided form back to the health department indicating whether or not they had prescribed the treatment. Out of 111 students, DCHD received confirmation from physicians that 50 were prescribed prophylaxis. Following this intervention there were no new cases of pertussis among first graders.

Aside from the first grade, recommendations for prophylaxis were made on a case by case basis. In some instances, such as when multiple cases were identified in one class, prophylaxis was recommended for entire classrooms. In other instances, such as when only one case was identified, prophylaxis was recommended only for the children who sat next to the case and other close contacts.

At the request of the school, the health department offered adult Tdap vaccine at an onsite vaccination clinic for all teachers and staff at the school.

During the outbreak, standardized testing became a big concern for both the school and for parents as potentially infectious students would miss the testing period. To accommodate this, DCHD recommended that potentially infectious students be isolated from other students but allowed to take the tests. Students were placed alone in faculty offices with the consent of their parents and were masked during contact with teachers.

On April 9, following a site visit by health department personnel, teachers were asked to reconfigure their classrooms for one incubation period from a pod formation (eight desks in two rows, facing each other) to rows of desks. Following this recommendation, only one additional case (from a kindergarten class) was reported.

Case Overview

This outbreak resulted in 34 cases of pertussis associated with one elementary school. Of these, there were 29 students, 1 teacher, 1 parent, and 3 children who did not attend the school but were epidemiologically linked to cases at the school. A case of pertussis was

defined as a patient with a cough illness lasting ≥ 14 days with paroxysm of coughing, inspiratory whoop, or post-tussive vomiting or a patient with a positive polymerase chain reaction (PCR) test result for *B. pertussis* DNA from a nasal-pharyngeal specimen and a cough lasting at least 2 weeks. Of the 34 cases, 6 had a positive PCR test; the others met the clinical case definition and were epidemiologically linked to the outbreak. Epidemiological links were defined as persons with close contact to a lab-confirmed case and/or attendance at the school. The mean cough duration was 24.8 days, with a range of 14 to 90 days. Other clinical manifestations included paroxysmal coughing (91.2%), post-tussive vomiting (20.6%), inspiratory whoop (17.6%), apnea (11.8%), and cyanosis (5.9%).

Vaccine coverage for the school was 99%. Of the student cases (N = 29), all but 2 (93.1%) had received 5 pertussis immunizations. The two remaining students had received 4. One of these was a 4 year old preschooler too young to receive the fifth dose and the other a 9 year old. The overall attack rate for the school was 3.5%, with the highest attack rate occurring in third graders (ages 8 and 9), with 17.5% of third graders contracting the illness (Table 1).

Initial cases had onsets in January and February, with a peak in March (Figures 1 and 2). Because persons may

Table 1. Number of cases and attack rates by grade level within an elementary school, Denton County, 2007

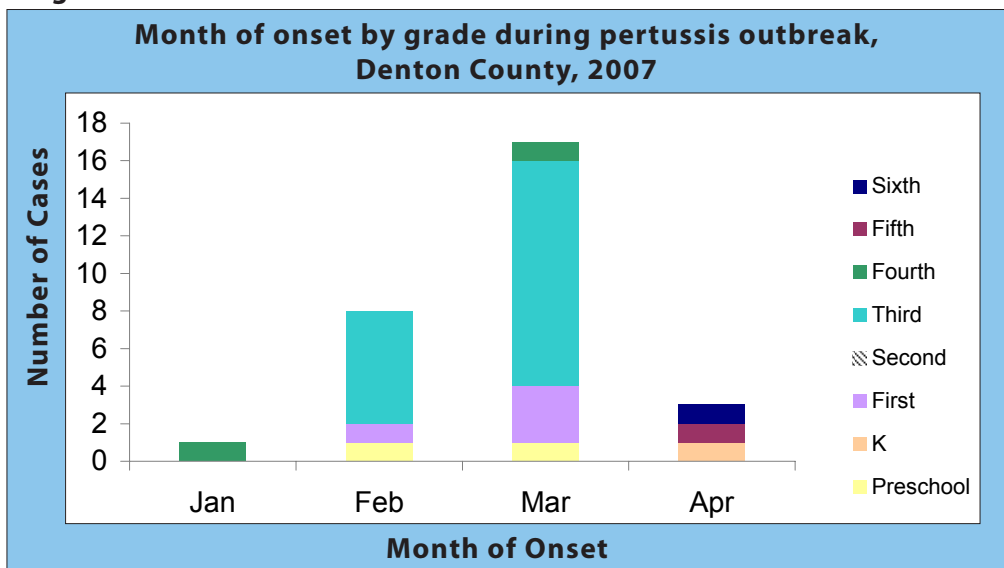
Grade Level	Number of Cases	Number of Students	Attack Rate (per 100)
Preschool	2	111	1.8
Kindergarten	1	94	1.1
First Grade	4	111	3.6
Second Grade	0	102	0
Third Grade	18	103	17.5
Fourth Grade	2	105	1.9
Fifth Grade	1	108	0.9
Sixth Grade	1	100	1.0

exhibit prolonged cough with paroxysms and/or vomiting for reasons other than pertussis, the use of the case definition and epidemiological linkages (rather than laboratory confirmation) may have led to an over-estimation of the case count.

Discussion

Several factors contributed to this outbreak. As noted in

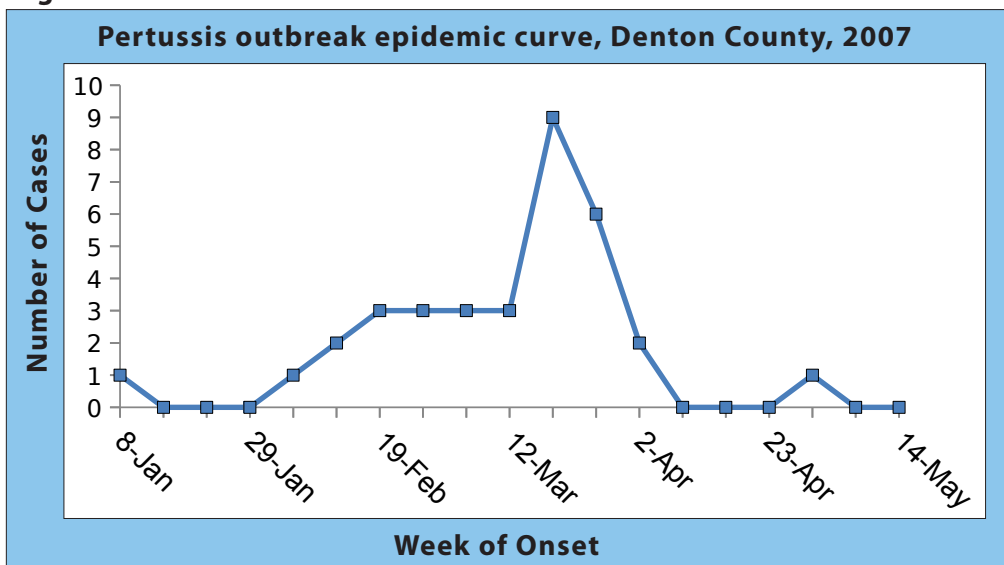
Figure 1



did the children attend school together, but many attended the affiliated church and participated in extra-curricular and social activities together.

Responding to these outbreaks is resource intensive, requiring cooperation among the health department, health care providers and other impacted organizations, as well as community members. Overall, the outbreak was quite disruptive to usual school operations. As the outbreak progressed, the school nurse expressed fatigue with the issue and reported that parents became complacent towards the repeated health messages. The school nurse found rumor control to be an issue, with teachers and parents giving contradictory information, underscoring the need for continued structured communication. Teachers expressed resistance to changes in classroom layout and both teachers and parents expressed concern over prolonged student exclusion. In this school outbreak, the impacted population was highly vaccinated, serving as a reminder to maintain vigilance for vaccine preventable diseases even in the era of immunizations.

Figure 2



previous outbreaks (2), pertussis may be difficult to contain in populations with high levels of social interaction. In this outbreak, initial cases went unrecognized and delays in reporting resulted in delayed public health response. Early diagnosis and treatment has the potential to limit transmission in the community and protect susceptible infants. This outbreak, which began in January, was not identified as an outbreak until mid-March, when the first cluster of cases was reported. Upon further investigation, 12 additional cases with an onset before March 19 were found. On average there was a two week lag between onset of illness and reporting of the case to the health department (range = 1 to 49 days), although this time frame decreased as the outbreak progressed. Slow identification of the early cases appears to have been a major contributing factor to the scope of this outbreak. In addition, the children had multiple opportunities for exposure via high contact rates. Not only

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Prepared by the Denton County Health Department, (940) 349-2916

Pertussis Outbreaks in Childhood Education Facilities: Guadalupe and Calhoun Counties, 2007

Two unrelated outbreaks of pertussis with contrasting characteristics occurred in Health Service Region 8 in 2007. One was associated with a Head Start facility with an enrollment of 20 in Guadalupe County and the other was associated with an elementary school with an enrollment of 800 in Calhoun County. The first report of PCR-confirmed pertussis in Guadalupe County was received by the Texas Department of State Health Services (DSHS), Health Service Region 8 (HSR 8), Epidemiology Response Team on February 22, 2007. The first report of PCR-confirmed pertussis in Calhoun County was reported on March 2, 2007. Through contact investigations, we determined that the index case for each outbreak became ill in December 2006. We implemented similar interventions in both counties, however, the outbreak in Guadalupe County subsided within a few weeks and was limited to school-associated cases, while the outbreak in Calhoun County continued for several months and included community cases that were not associated with the school.

Methods

For each outbreak, we conducted onsite and telephone contact investigations by visiting the affected school to interview staff and parent(s) of every child in the affected classroom(s), as well as the parent(s) of every child named as a close contact to any symptomatic individual. We recommended laboratory testing whenever feasible, and collected all available laboratory results and immunization records. A medical advisory was sent to physicians in the local area of each outbreak to provide them with DSHS recommendations for pertussis chemo-prophylaxis, diagnosis, treatment and immunization. Letters were sent to parents of children in affected classroom(s). Cases and contacts were tracked and followed by telephone and mail to ensure initiation and completion of antibiotic therapy. Active surveillance was maintained until one full incubation period elapsed without any newly identified cases. In Calhoun County, we presented an informational session for parents and staff to educate them about pertussis characteristics and management. For both outbreaks, a clinical case was defined as a person with a cough illness lasting at least 14 days with one of the following: paroxysms, inspiratory whoop or, post-tussive vomiting, without other apparent cause. A confirmed case was a clinical case who was either PCR positive or had direct contact with a laboratory-confirmed case within one incubation period. A probable case was

a clinical case with either a negative or absent PCR and no epi-link to a PCR-confirmed case.

Results

Calhoun County

A total of 171 pertussis case investigations were completed from March through June 2007. From these, we identified 17 (9.9%) confirmed cases (6 laboratory confirmed by PCR, 11 epidemiologically-linked to a PCR-confirmed case) and 20 (11.7%) probable cases. Onset dates for confirmed and probable cases ranged from December 15, 2006 through May 28, 2007. An epi curve is shown in Figure 1. Of the 37 confirmed and probable case patients, 19 (51.4%) either attended the elementary school or had direct contact with an elementary school student or staff person. The remaining 18 (48.6%) were divided between 2 other elementary schools, 1 high school, 1 middle school, no school association, and unknown school association. Ages ranged from less than 1 year to 52 years old (mean 14 yrs, median 9 yrs, mode 9 yrs); 29 were under 16 years of age, and the remaining 8 were adults over the age of 20. Seventeen (45.9%) were male. Of the 24 for whom immunization information was available, 16 were up to date based on ACIP recommendations for pertussis-containing vaccinations.

Guadalupe County

A total of 75 pertussis case investigations were completed from February through March, 2007. From these, we identified 7 (9.3%) confirmed cases (1 laboratory confirmed by PCR, 6 epidemiologically-linked to a PCR-confirmed case) and 2 (2.7%) probable cases. Onset dates for the 9 confirmed and probable cases ranged from December 25, 2006 through February 13, 2007. All 9 (100%) cases either attended or worked at the Head Start or had direct contact with a Head Start student or staff person. Four (44.5%) were male. Ages ranged from 1 year to 47 years old (mean 22 yrs, median 17 yrs); 5 were children less than 6 years of age, and 4 were adults over the age of 28 years. Four of the five children were up to date on pertussis-containing immunizations. None of the four adults had ever received a Tdap booster. The 4 affected adults included 3 Head Start staff persons and 1 parent.

Discussion

The estimated 2007 populations of the communities in Guadalupe County and Calhoun County were comparable, approximately 12,000. The affected Head Start in Guadalupe County had an enrollment of 20 and was located in a small community in which parents knew each other well. Their children spent time socially together, and when asked about close contacts, parents typically named individuals who had already been named by other parents as connected to the Head Start staff and/or attendees. The elementary school in Calhoun County had an enrollment of 800 students and was located in a small yet active resort area located on the coast of Lavaca Bay. Affected persons in this outbreak could not always be readily linked to other cases. Parents typically were only familiar with the names of their child's closest friends, and more often named close contacts who were not associated with the school.

Calhoun County

It is unclear whether the Calhoun County outbreak represented one or more distinct community outbreaks clustered in time or a single large-scale outbreak with two or more generations of transmission. The confirmed case patient with the earliest reported onset (12/15/2006) was a 3-year-old child. The next chronologically documented case (onset 1/25/2007) was a 12-year-old child from a different elementary school with no identified link to the first case patient. While the elementary school appears to have provided an effective transmission setting for the outbreak, nearly half of the overall cases (18 of 39) had no identified link to the school other than residence within Calhoun County. The distribution of the community-associated cases is shown in Figure 2 on page 24.

Guadalupe County

We have attempted to demonstrate the complexity of the classroom-associated pertussis transmission in Guadalupe County in Figure 3, which is a schematic representation of confirmed and probable cases and their relationships. Only symptomatic individuals are included in this figure. Each case patient is represented by a red, blue or grey dot. Red indicates a confirmed case. Blue indicates a probable case, and grey indicates a symptomatic patient who did not meet case definition. Persons with the same colored circles around their dots are from the same household. Persons marked with a yellow triangle are daily attendees of the Head Start in Guadalupe County.

The first case reported to the health department is represented by red dot #10, which was a 1-year-old infant with PCR confirmed pertussis who attended the Head Start. This child was the daughter of the patient represented by red dot #4, who is a teacher at the same Head Start and started coughing a month prior to her daughter. Red dots #3, #5, #14 represent a cook, another teacher, and a 4-year-old from the Head Start. Blue dot #2 is the father of a 3-year-old from the Head Start (Red dot # 8). Blue dot #11 and red dot #9 are 6-year-old and five-year-old sisters, the latter of which attended the Head Start.

Conclusions

Calhoun County

In Calhoun County, case finding was active, since 32 of the 37 probable and confirmed cases experienced onset of symptoms subsequent to the date that the health department was notified on 3/2/07. It is likely that the establishment of heightened surveillance near the beginning of the outbreak in Calhoun County contributed to increased case-finding. Based on the time span of five months from the first reported to last reported onset date and the maximum incubation period of 42 days for pertussis outbreaks in schools (1), it is possible that up to 3 or more generations of disease transmission occurred during the outbreak. The concentration of cases at one elementary school combined with the spread of cases to other schools and to the community suggests that there were multiple pathways contributing to disease transmission.

In the Head Start classroom, case-finding was retrospective, since all nine of the confirmed and probable cases experienced symptom onsets prior to the initial health department notification on 2/22/07. The attack rate among adults serving as teachers or kitchen staff was 100% (3/3), the attack rate among attendees was 21.7% (4/20). All of the affected adults experienced onsets preceding that of the first affected child, suggesting that an infected adult was likely to have been the source of the outbreak. The potential spread of pertussis from adults to children in a childcare setting reinforces the ACIP recommendation that adults aged 16 to 64 years should receive a single dose of Tdap for active booster vaccination against tetanus, diphtheria, and pertussis (2). The decline in cases shortly after the initiation of our investigation was most likely due to the exhaustion of susceptible persons in this small, self-contained Head Start community.

Figure 1. Cases of confirmed and probable pertussis, by date of onset, Calhoun County 2007 (N=37).

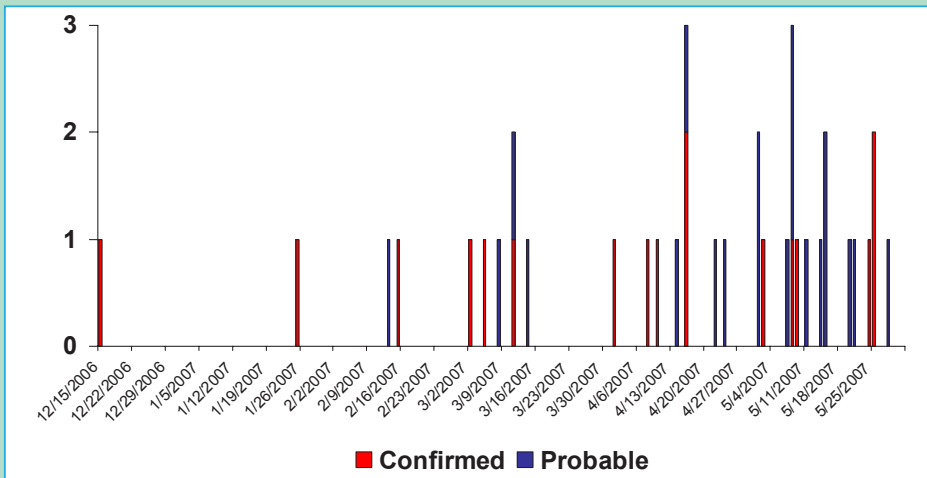


Figure 2. Cases of school and community associated pertussis (includes probable and confirmed cases), by date of onset, Calhoun County (N=37).

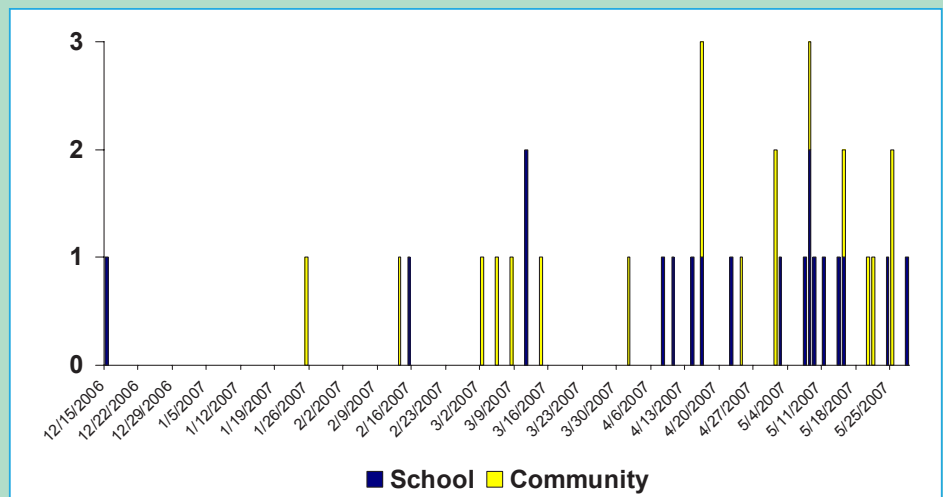
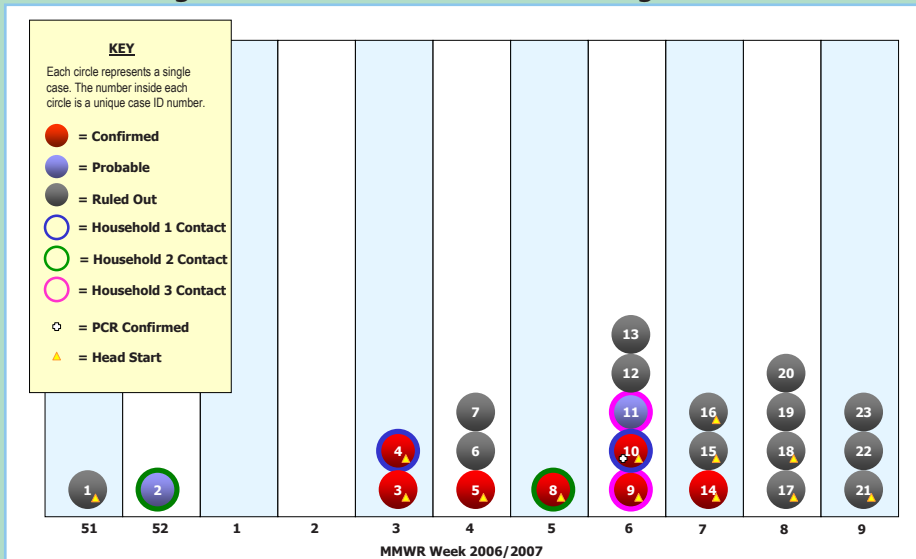


Figure 3. Head Start outbreak: cases of confirmed (N=7), probable (N=2) and ruled out (N=14) pertussis by MMWR week of onset, (week ending December 23, 2006 to week ending March 3, 2007)



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Prepared by Health Service Region 8,
(210) 949-2074



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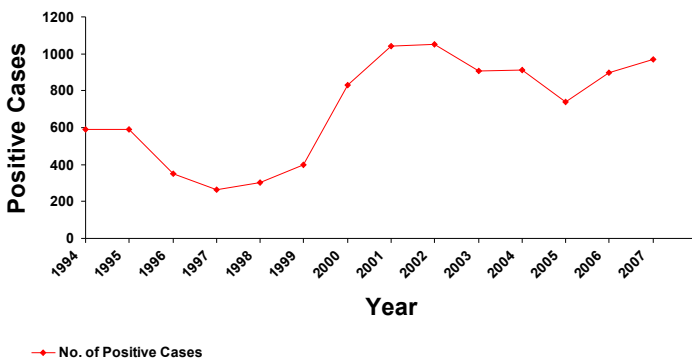
Rabies in Animals

Rabies is a viral zoonosis affecting the central nervous system of warm-blooded animals. Transmission occurs when saliva containing rabies virus is introduced into an opening in the skin, usually via the bite (or possibly scratch) of a rabid animal. Though rare, transmission can also occur through contamination of mucous membranes. Animals considered to be high risk for transmitting rabies in Texas include bats, skunks, foxes, coyotes, and raccoons; the first four of these wildlife species serve as reservoirs for specific rabies virus variants in Texas. Rabies infection in a species other than the reservoir species for the variant is considered "spillover." An example of spillover would be a cat infected with a skunk variant of rabies virus.

Case Counts and Distribution

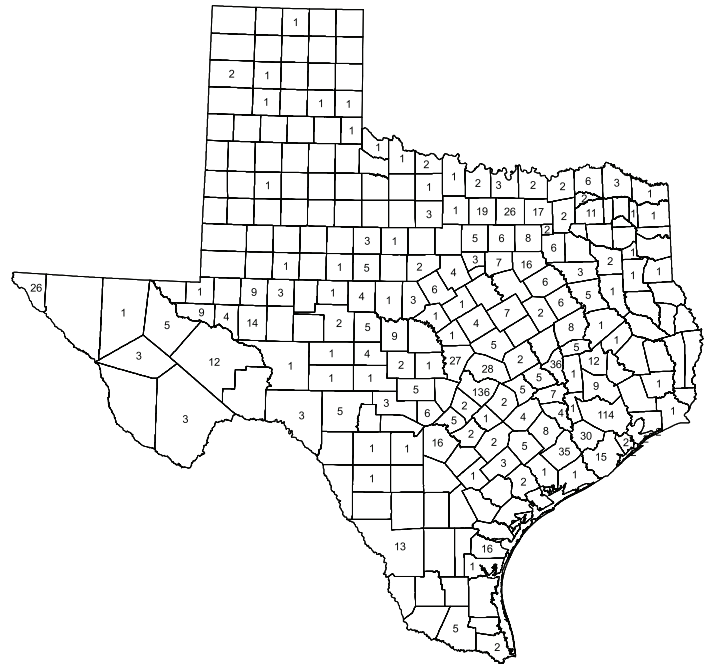
In 2007, 969 (6%) of 15,088 animal specimens in Texas that were successfully tested (confirmed as positive or negative) were positive for rabies. This was a 9% increase in cases from the 888 cases confirmed in 2006. The number of positive cases per 1,000 specimens tested was slightly lower; there were 64 in 2007 compared with 65 in 2006. Yearly totals for 1994 through 2007 are illustrated in Figure 1.

Figure 1. Positive animal rabies cases, Texas 1994 - 2007



During 2007, the highest monthly number of laboratory-confirmed rabies cases (116) occurred in March with skunks (58) being the predominant rabid species reported; September had the second highest number of cases (114) with bats (93) being the predominant rabid species. Cases of rabies were confirmed in 140 of the 254 Texas counties (Figure 2) compared with 137 counties with reported cases in 2006. Travis County had the highest number of reported rabies cases per county with 136 cases in 2007, all of which were bats. In 2006, Harris County had the highest number of reported cases with 146 (145 of which were bats).

Figure 2. Confirmed cases of animal rabies (all species) by county, 2007



Rabid wildlife accounted for 928 (96%) of the confirmed cases throughout the state in 2007 compared with 844 (95%) in 2006 (Table 1). Bats were the primary source of positive cases with 482 (50% of all positive cases) in 2007 compared with 431 (49% of all positive cases) in 2006. Of all bats tested for rabies, 12% were positive in 2007 and 10% were positive in 2006. Rabies in bats is enzootic in Texas; there are numerous bat variants of rabies virus throughout the state. In 2007, there were two cases in which there was spillover of a bat variant to terrestrial animals (one cat and one dog).

Skunks had the second highest number of confirmed rabies cases with 362 (37% of all positive cases) in 2007 compared with 351 (40% of all positive cases) in 2006. Of all skunks tested for rabies, 31% were positive in 2007 and 32% were positive in 2006. The south-central skunk variant of rabies virus is the most prevalent skunk variant in Texas. Rabies cases in 2007 in which the south-central skunk variant could be confirmed included 360 skunks, 16 raccoons, 10 cats, 10 foxes, 7 dogs, 9 horses, 3 cattle, 2 bobcats, 1 coyote, 1 goat, 1 opossum, and 1 wolf-dog hybrid.

Table 1. Confirmed cases of rabies in wild animal species, Texas, 2006 and 2007

Species	2006	2007
Bats	431	482
Bobcats	10	12
Coyotes	1	21
Foxes	31	32
Opossum	0	1
Raccoons	19	17
Ringtail	1	0
Skunks	351	362
Wolf-dog Hybrid	0	1
Total	844	928

There were 41 reported rabies cases in domestic animals (4% of all positive cases) in 2007 (Table 2). The predominate rabies virus variant identified in domestic animals was south-central skunk (73%) followed by Texas fox (22%) and bat (5%). Rabies in domestic animals continues to be a concern because they are more likely to have contact with humans than are rabid wildlife. Cats (14) and dogs (12) each represented 1% of all positive cases in 2007. In 2006, there were 44 reported rabies cases in domestic animals (5% of all positive cases); of these rabies cases, 13 were dogs and 10 were cats (each represented 1% of all positive cases).

Table 2. Confirmed cases of rabies in domestic animal species, Texas, 2006 and 2007

Species	2006	2007
Cats	10	14
Cattle	7	4
Dogs	13	12
Goats	2	1
Hog	0	1
Horses	12	9
Total	44	41

Rabies Epizootics

In 1988, an epizootic incursion of canine rabies began in South Texas (1) and an epizootic of gray fox rabies began in West-Central Texas (2). Since then, 21 counties have been involved in the South Texas canine rabies epizootic and 53 counties have been involved in the West-Central Texas gray fox rabies epizootic.

In response to the canine and gray fox rabies epizootics, the Oral Rabies Vaccination Program (ORVP) for coyotes in South Texas was initiated in February 1995 (3), and the ORVP for gray foxes in West-Central Texas was initiated in January 1996 (4); the programs have continued annually. These programs target reservoir species for the domestic dog/coyote and Texas fox variants of the rabies virus, specifically coyotes and gray foxes, respectively. The goal of the ORVP has been to create zones of vaccinated coyotes and gray foxes along the leading edges of the areas where these rabies variants are located in order to eventually eliminate the epizootics. Immunization is accomplished by aerial distribution of edible bait containing oral rabies vaccine.

In 2007 and 2006, there were no reported cases of the domestic dog/coyote variant of rabies virus statewide. Of the 53 counties with recorded cases of the Texas fox variant of rabies virus, 17 had cases in 2007 compared with 13 counties in 2006. Statewide in 2007, 62 (6% of all positive cases) were infected with the Texas fox variant compared with 45 (5% of all positive cases) in 2006. The 62 rabies cases with the Texas fox variant in 2007 included 22 foxes, 20 coyotes, 10 bobcats, 4 dogs, 3 cats, 1 cow, 1 hog, and 1 raccoon.

Of concern in 2007 was evidence of coyote-to-coyote propagation of the Texas fox variant of rabies virus. After receiving anecdotal accounts of rabid animal exposures, plus evaluating species from which there were laboratory-confirmed rabies specimens, results of field surveillance, and wildlife habitat where cases were occurring, Texas rabies control managers felt that coyotes had become a reservoir host for the Texas fox variant. This perception gained scientific substance when the salivary glands of five rabid coyotes from the epizootic area in West Texas were analyzed for viral load and found to contain sufficient amounts for transmission (5).

During the five-year period from 1995 through 1999, the average number of skunks that were confirmed positive for rabies was 110 cases per year with a range of 69 to 192; for 2000 through 2007, the average number of confirmed cases of rabies in skunks per year was 541 with a range of 351 to 778. Currently, there are no oral or parenteral rabies vaccines approved for use in skunks to address the ongoing skunk rabies epizootic, which began in 2000.

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Frio Cave Bat Emergence by Thomas Kunz, © Texas Parks & Wildlife Department

***Staphylococcus aureus* in Texas High School Athletic Department Environments, 2007**

Staphylococcal infections are transmitted directly from person to person and through contact with contaminated environments. Because participating in athletic activities fosters more physical contact and sharing of personal items than perhaps any environment other than the home, staphylococcal infections in athletes are a concern. *Staphylococcus aureus* is the most virulent species within the genus *Staphylococcus* and is a common cause of skin and soft tissue infections such as boils and impetigo. Such infections have become more threatening with the evolution of resistance to a wide array of antibiotics and the emergence of antibiotic resistant strains outside healthcare settings. Serious, sometimes fatal, methicillin resistant *S. aureus* (MRSA) infections among young people without risk factors contrast starkly with the original population at risk of MRSA — older, physically compromised individuals in hospitals or long term care facilities.

Because shedding of *S. aureus* into the environment — where it can survive for days to months — is common and athletes share equipment and facilities, questions over the role of the environment in facilitating the spread of MRSA among athletes have arisen. Interns from Public Health Internship Program at The University of Texas at Austin School of Biological Sciences under the direction of Department of State Health Services (DSHS) staff examined two environments in high school athletic departments, therapeutic whirlpool water and drains and football players' athletic socks, to determine if they might serve as reservoirs of MRSA.

Methods

Subjects

For the whirlpool segment of the study, licensed athletic trainers (LATs) from 15 metropolitan high schools were invited to participate; LATs from 8 of the schools volunteered. Investigators visited one school each week between February 5th and March 19, 2007. Visits were made during times regularly scheduled for athletes' therapy. Information regarding numbers of athletes treated, hygiene requirements, whirlpool volume, and cleaning methods was obtained by observation of the therapy sessions and by administering a standardized questionnaire to the LATs. Water samples from therapeutic whirlpools were taken before any therapy began and again after all therapy was complete.

The investigation of staphylococcal viability in football

players' socks was conducted at one high school. The school voluntarily participated in the study with specimen collection occurring from September 24 through October 22, 2007. Twenty-four of the 34 members of the junior varsity team were randomly selected to receive athletic socks each week. Socks were distributed and collected weekly during a mid-day physical education period that was used for football practice.

Procedures

The inside of the drain of each whirlpool was sampled by passing a sterile swab through the slits of the drain and over the inner surface of the drain pipe. Pre-treatment water samples were taken by turning on the water jet and submerging a sterile 100 ml plastic bottle into the water in the direction of the water stream. Once all therapy was completed, post-treatment water samples were taken. Water samples were filtered and cultured at the DSHS Consumer Microbiology Laboratory using a standardized protocol. Isolates were identified and antibiotic susceptibility testing was performed using standard laboratory techniques.

For the investigation of staphylococcal survival in uniform fabric, players received a pair of knee-high socks at the start of practice and wore them throughout the 45 minute practice. At the conclusion of practice, the athletes placed each sock in an individually labeled zip lock bag. The bagged socks were taken to the DSHS laboratory for testing. The week of October 8th, a school holiday, no samples were collected from players. Samples from socks that had never been worn by players were cultured to serve as controls. Socks from two sources were used in the study. The first week, socks purchased off the rack in an athletic supply store were used; the second and subsequent weeks, packaged socks from an online sporting goods supplier were used. Both types of socks were composed of 83% cotton, 16% polyester, and 1% Lycra.

Using alcohol sterilized scissors, a one-inch square was cut from the lower calf region of each sock, and using alcohol sterilized forceps, the fabric swatch was placed into a vortex tube containing nutrient broth with 3% NaCl. The filled tubes were vortexed and incubated. After incubation, 1 drop of broth was streaked onto selective differential media and incubated. *S. aureus* identification and methicillin resistance testing were carried out using standard laboratory techniques.

Results

In the eight high schools participating in the whirlpool investigation, one school had only a hot whirlpool; three schools utilized only a cold whirlpool; and four schools used both for a total of 12 whirlpools (Table 1). *S. aureus* was isolated at one of eight schools where it was recovered from both hot and cold whirlpools. Positive water samples came from the initial and final samples in the hot water whirlpool and from the final sample taken from the cold water whirlpool.

Table 1. Characteristics and *S. aureus* status of water from therapeutic whirlpools in Texas high school athletic departments, 2007

Whirlpool	<i>S. aureus</i> positive	Positive before or after athletes' treatments	# athletes treated in session	Whirlpool volume (gallons)	Full body shower required prior to therapy	Cleaning solution
School 1 ¹					If athletes worked out	Virahol
Hot	Yes	Both	9	110		
Cold	Yes	After	2	110		
School 2					No	Iso Quin
Hot	No	NA	1	70		
Cold	No	NA	3	115		
School 3					Yes	Iso Quin
Hot	No	NA	2	200		
Cold	No	NA	3	15		
School 4					Yes	Sanizide
Cold	No	NA	1	200		
School 51					Yes	Super Cleaner
Hot	No	NA	1	22		
Cold	No	NA	1	100		
School 6					No	Triadine
Cold	No	NA	1	110		
School 7					No	Gordo-pool
Hot	No	NA	1	75		
School 8					No	Iso Quin
Cold	No	NA	1	40		

Of the 174 players' socks that were tested, 104 (59.8%) were positive for some species of *Staphylococcus* (Table 2). Staphylococcal growth occurred every week regardless of whether socks were from the rack or packaged, the amount of physical contact among players, or whether the team practiced indoors or outside. Based on chi-square testing, players' socks were significantly more likely to have staphylococcal growth than the control socks ($p < 0.001$). There was no significant difference in the proportion of players' staphylococcal-contaminated socks due to amount of physical contact, location of practice, or whether the socks were packaged. Of the 34 players, 11 (32.4%) never had staphylococcal growth in their socks. The remainder had growth at least one week. One player's sock was positive for *S. aureus*, and none were positive for MRSA (Table 2). The *S. aureus* positive sample was found during a week

in which the players wore socks that had been purchased off a store rack. The team practiced special teams positions (minimal physical contact) outdoors that day.

Only one of the 48 control socks (0.02%) was positive for any staphylococcal species. The staphylococcal growth occurred in a sock that had been purchased directly off a store rack. Chi-square testing resulted in a p-value of 0.08 when comparing the proportion of socks with staphylococcal growth between socks purchased off a store rack and packaged socks. No control socks were positive for *S. aureus* or MRSA. See Table 2 on page 31.

Discussion

These investigations demonstrated *S. aureus* but not MRSA in the two athletic environments. The investigations were not performed in association with reported outbreaks, and while the environments were not grossly contaminated, the results do demonstrate that the athletic environment is capable of maintaining the viability of pathogenic staphylococcal organisms. These laboratory results lend support to epidemiological findings that have implicated the athletic environment in MRSA outbreaks.

Whirlpools have been linked to outbreaks of dermatitis in the Centers for Disease Control (CDC) bi-annual report of waterborne disease outbreaks associated with recreational water (1,2). In a 2003 outbreak, use of an inappropriate disinfection agent in a spa at a Connecticut college's athletic facility was deemed to have resulted in MRSA skin infections in 10 football players (2). Athletic department whirlpool use and MRSA infections were also epidemiologically linked at a Connecticut college where football team members who reported sharing the whirlpool with other players two or more times per week had a relative risk of 12.2 (3). Although an investigation of a MRSA outbreak among professional football players recovered no environmental isolates, players did report communal whirlpool use and protocols for cleaning whirlpools were not available (4). The current study identified viable *S. aureus*, though not MRSA, in both a hot and

a cold whirlpool even in the absence of known clinical infections among users.

Uniforms and other fabric items have been shown to harbor viable staphylococcal organisms including MRSA in health care settings but have not been definitively demonstrated to be the source of outbreaks (5). In a high school outbreak that affected athletes from multiple sports as well as non athletes, wearing uniforms more than once without laundering may have played a role in transmission (6). In the outbreak among professional football players, sharing towels was commonplace (4). Among college football players in California, “sharing”—which included but was not exclusive to sharing towels—had a relative risk of 12.1 (95% CI 1.8-108) for MRSA infection (7). In a West Virginia college outbreak, athletes’ use of hydrocollator packs resulted in a relative risk of 2.5 (95% CI 1.1-5.7). Prior to the investigation, the terry cloth coverings of these warm compresses were washed weekly rather than after each use (8). The current study indicates that staphylococcal species, including pathogenic *S. aureus*, remain viable in fabric and further demonstrates that these organisms are shed by players even during indoor activities with no physical contact occurring between athletes.

This study demonstrated that the athletic environment can support staphylococcal survival, including *S. aureus*, even in the absence of outbreaks. While in healthcare associated MRSA infections colonization routinely precedes infection, this is not always the case in community associated infections suggesting that environmental reservoirs play a role in perpetuating community

transmission (9). Recovery of *S. aureus* in the athletic environment in the absence of known clinical infections and the observation that athletes perpetually shed staphylococcal organisms suggests that routine thorough cleaning and laundering of athletic department items is more prudent than sporadic terminal cleaning after infection has occurred.

The CDC gives specific guidance for cleaning athletic facilities including cleaning with diluted household bleach or other EPA-approved disinfectants with a focus on “commonly touched surfaces and surfaces that come into direct contact with people’s bare skin each day (10).” With regard to washing and drying of laundry, follow clothing label directions and dry thoroughly in a dryer (10).

Concerning whirlpool use by athletes, the CDC recommends that athletes should shower prior to use (10). Schools with persistent MRSA problems could consider implementing the more rigorous recommendations for health care facility hydrotherapy tanks and pools: draining, cleaning, and disinfecting after each patient’s use and maintenance of specific chlorine levels (11). Deferment of persons with draining wounds from therapy pools is also imperative in preventing transmission (11).

Personal hygiene with particular emphasis on hand washing should be the top priority in prevention and control of MRSA infections in athletic departments. However, interrupting possible transmission through environmental cleanliness should also be a priority.

Table 2. Staphylococcal growth including *S. aureus* in football players socks by date of collection, sock source, practice location, and practice type in Texas high school athletic departments, 2007

Date	Socks cultured #	Staphylococcal growth positive # (%)	<i>S. aureus</i> positive # (%)	Sock source ²	Practice location	Practice type (physical contact)
Players						
9/24/07	46	32 (69.6)	1 (2.2)	Store rack	Outside	Special teams (minimal)
10/1/07	46	16 (34.8)	0 (0.0)	Packaged	Outside	Offense/defense (maximum)
10/15/07	46	32 (76.2)	0 (0.0)	Packaged	Outside	Offense/defense (maximum)
10/22/07	36	24 (66.7)	0 (0.0)	Packaged	Inside	Weights/videos (none)
Total*	174	104¹ (59.8)	1 (0.5)			
Controls						
NA	4	1 ² (25.0)	0 (0.0)	Store rack	NA	NA
NA	44	02 (0.0)	0 (0.0)	Packaged	NA	NA
Total*	48	11 (0.02)	0 (0.0)			

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Unexplained Deaths in a Correctional Facility: Southwestern Texas, Summer 2007

Background

On July 30, 2007, the Texas Department of State Health Services (DSHS), Health Service Region 8 (HSR 8) received a telephone call from a county sheriff requesting assistance with the investigation of an unexplained death of an inmate at Correctional Facility A. By August 6, 2007, a total of four unexplained cases of severe illnesses characterized by neurological or respiratory symptoms had been identified at Facility A. A request for assistance from the Centers for Disease Control and Prevention (CDC) was initiated on August 10, and a coordinated investigation was completed on October 11, 2007.

Methods

Clinical Case Reviews

Cases were defined as respiratory illness, alteration of mental status, or both, of severity requiring hospitalization, occurring in an inmate at Facility A between July 3 and August 10, 2007. Medical records were assessed by the joint (DSHS HSR 8/CDC) investigation team. A CDC neuroepidemiologist examined two case patients.

Epidemiologic Investigation

To assess possible etiologies and epidemiologic links between cases, the investigative team constructed a timeline of housing locations and onsets of disease for cases. To assess baseline rates of respiratory and neurologic symptoms in the population, to identify additional illnesses, and to assess the appropriateness of sick call logs as a surveillance tool, we examined the patient sick call log for Facility A. To obtain additional medical and social histories of case patients, we interviewed known relatives, acquaintances, and asymptomatic inmates.

Environmental Assessment

An instrumental survey of five inmate blocks and one tuberculosis isolation area was conducted. A baseline air evaluation monitor which measures humidity, temperature, carbon dioxide, carbon monoxide, air velocity, and differential air pressure was used to evaluate indoor air quality.

Results

Clinical Case Reviews

Patient A was a 37 year old Hispanic male U.S. citizen who developed poor appetite on July 14, 2007. Three days later, he complained of dizziness, weakness, and anorexia, as well as a cough with non-bloody sputum. Upon admission to the local hospital, he was diagnosed with miliary tuberculosis, isolated and started on standard anti-tuberculosis therapy. He became increasingly

tachypnic with increasing oxygen requirements and died on July 22, 2007.

Patient B was a 25-year old male Honduran national with a history of a positive tuberculin skin test and negative chest x-ray. On June 30, 2007, he was placed on suicide watch due to altered behavior, where he displayed increasingly bizarre behavior, became minimally responsive and exhibited increasing anorexia, incontinence, and lethargy. Upon admission to the local hospital on July 11, 2007, chest x-ray suggested atelectasis, effusion, or infiltrate. An EEG was consistent with encephalopathy. He became intermittently febrile and developed a productive cough with bright red blood and thick brown sputum. A subsequent x-ray demonstrated right pleural fluid, a right pleural effusion, and bibasilar atelectasis, as well as pulmonary vascular congestion. A rash was noted on his right arm and trunk, consisting of small white pustules with an erythematous ring. On July 26, 2007, he was intubated and died later that evening.

Patient C is a 26 year old Hispanic male Mexican national with an apparent long-standing history of schizophrenia and substance abuse, including inhalants and methamphetamine. On July 18, 2007, abnormal behaviors, including ritualistic movements, hallucinations, and agitation were observed. Upon admission to the local hospital on July 26, 2007, he was non-responsive. All diagnostic evaluations were within normal limits. On July 29, 2007, he was transferred to a hospital in San Antonio with a diagnosis of "altered mental status." Upon admission, CSF examination and brain MRI were unremarkable. EEG was consistent with diffuse mild cerebral dysfunction. An extensive evaluation for etiologies of infectious, toxic, and metabolic encephalopathy was undertaken, and all were within normal limits. He was medicated and transferred back to the local hospital, where he was evaluated by a CDC neuroepidemiologist. Physical examination was unremarkable. Neurological examination was normal, with the exception of mutism, and functional imbalance upon standing. The examination was consistent with volitional non-compliance.

Patient D was a 38 year-old Hispanic male Honduran national, HIV positive, with a left below-elbow amputation. On August 7, 2007, he complained of dizziness, and developed shortness of breath, imbalance, incontinence, lethargy, tachypnea, and tachycardia. Upon admission to the local hospital on August 8, 2007, he was placed on oxygen and started on antibiotics. He received fluid therapy for hypotension and dehydration. Chest x-ray

revealed mild bilateral lower lobe infiltrates; however, over the next several days with rehydration, more extensive infiltrates developed. By August 10, 2007, the patient was unresponsive. Brain MRI was markedly abnormal and consistent with either hydrocephalus ex vacuo, or obstruction of the fourth ventricle. An EEG showed diffuse slowing, with no spike or spike-and-wave activity. On August 11, he was intubated due to acute respiratory distress syndrome. He subsequently went into renal failure. Neurologic exam by the CDC neuroepidemiologist were consistent with diffuse cerebral dysfunction with midbrain/pontine involvement. Due to progressively worsening kidney function he was transferred to a tertiary care facility in San Antonio. Imaging revealed fluid and bleeding in the brain, resulting in the placement of a drain. His condition continued to deteriorate to an irreversible state and he died on August 31, 2007. An autopsy was performed later that day.

Epidemiologic Investigation

Through construction of a timeline and housing matrix, it was determined that case patients A, B, C and D were not housed together at any location at concurrent times, and that by the time case D arrived at the facility, the other 3 cases were no longer there. Using broad definitions of respiratory illness and neurological illness, we constructed and examined epidemiologic curves, grouped by week, based on inmate self-reporting as recorded in the inmate sick call log. From these data, there was no evidence of an ongoing outbreak of respiratory or neurologic illness. Medical charts for a subset of inmates in the sick call log were reviewed. No additional inmates were found who met our case definition. Through our investigation, we discovered that five inmates housed with patient A had positive tuberculin skin tests, following removal of patient A from the cell, indicating a possible outbreak of correctional facility acquired tuberculosis (TB). At least one of these individuals was subsequently diagnosed with active TB. No additional contributory information was obtained from family members, acquaintances or inmates.

Environmental Assessment

Air quality checks found dust loading and/or mold on the diffusers of all of the sampled housing pods, as well as slightly elevated carbon dioxide in the pod that housed Case Patient A. Heating, ventilating and air conditioning assessments of unoccupied cells indicated that the availability of fresh air was slightly, but not significantly, lower in the pod that housed Case Patient A.

Discussion And Conclusions

Several lines of evidence suggest that these cases are not epidemiologically, clinically, or etiologically related. First, there is no clear linkage in terms of time and place between cases. Specifically, no patients were housed in the same location at the same time, and notably, the first three patients were no longer in the facility at the time of arrival of patient D. Second, analysis of surveillance data from the patient sick call log indicate no obvious changes in background levels of complaints related to respiratory or neurological illness, suggesting that there is no clear communicable etiology or common environmental exposure causing these symptoms. Lastly, environmental assessments of the facility failed to reveal any strong evidence of a relationship between a toxic exposure and the development of severe respiratory and neurological illness.

Final assessments for each patient were as follows:

- Case A:** Clinical and radiographic findings were consistent with disseminated tuberculosis, although laboratory confirmation is lacking.
- Case B:** Given that no specimens remain and no autopsy specimens were obtained, this case will remain unexplained.
- Case C:** Psychiatric illness.
- Case D:** Autopsy revealed necrotizing pneumonitis and multiple organ infection with herpesviruses.

While our investigation suggests TB disease in both case patients A and B, it should be reiterated that we found no evidence of an epidemiologic linkage between them. However, in our investigation, we did note a cluster of tuberculin skin test conversions linked by housing location to case A and another active TB case.

Inmates housed in detention facilities represent a highly vulnerable population, increasing the likelihood of observing rare diseases or diseases with unusual presentation. This investigation led to the development of an infectious disease algorithm for use in HSR 8 correctional facilities. (Figure 1, page 33)

Reference

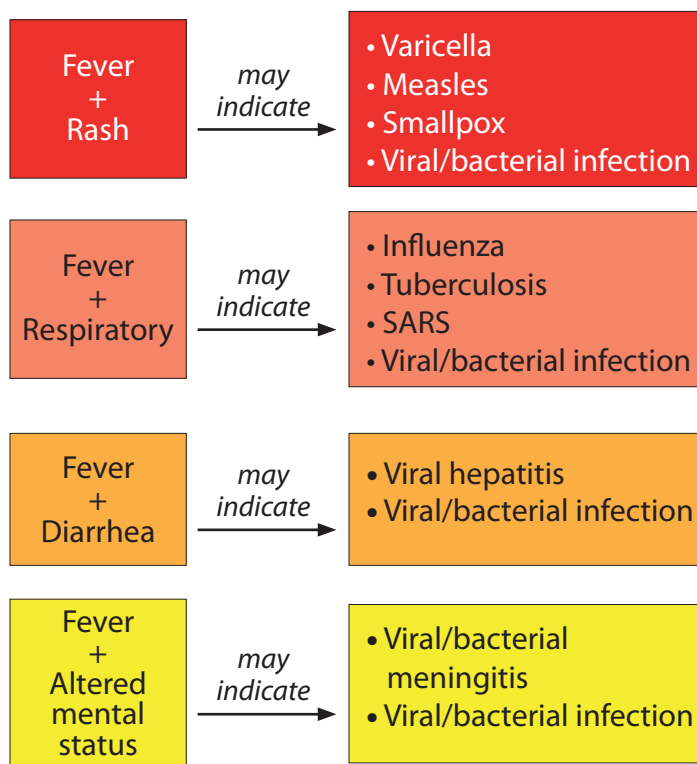
Adapted from Trip Report Epi-Aid # 2007-057: Investigation of Unexplained Neurologic and Respiratory Conditions in a Texas Detention Facility - July, 2007.

Prepared by Health Service Region 8,
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Figure 1.

Algorithm for the detection of clusters/outbreaks of diseases of potential public health significance in a correctional setting

1. Individuals with these symptoms (fever is defined as >100.4F oral temp) should be considered to be contagious, removed from the general population, and medically evaluated **within 24 hrs of symptom onset**:



2. Diagnostic evaluation may be accomplished locally or through a reference hospital or laboratory.

- Rapid Tests:**
Influenza A & B
Streptococcus
- Imaging:**
CXR, CT, MRI, EEG
- Sputum:**
Smear
Culture
- Urine/Stool:**
Urinalysis
Toxicology
Stool Culture
- Blood:**
CBC/Diff/Chem
Antibody tests (IgG/IgM)
Bacterial/Viral Culture
- CSF:**
Counts
Gram stain
Bacterial Antigen
Bacterial Culture
Viral Culture
- Consultation:**
Infectious Disease
Pulmonolog

Note:

The immune status of a patient is often helpful in understanding their presentation and communicability.

An HIV test with CD4 counts is recommended as part of the diagnostic workup.

3. Contact public health 24/7/365. For any of the following, see reporting numbers by county at: <http://www.dshs.state.tx.us/idcu/investigation/conditions/contacts/>

- Any suspected or confirmed case of notifiable disease. See list and reporting time frames at: http://www.dshs.state.tx.us/idcu/investigation/forms/101A_color.pdf
- Any clusters (same cell or same period of time) of similar illnesses of known or unknown etiology
- Any cases of illness, hospitalization or death that remain unexplained after a complete diagnostic evaluation

Texas Reported Cases



**TABLE I
REPORTED DISEASE¹
1998-2007**

DISEASE	2007	2006	2005	2004	2003	2002	2001	2000	1999	1998
AMEBIASIS	434	204	135	314	201	104	34	37	37	75
ANTHRAX	0	0	0	0	0	1	1	0	0	0
BOTULISM, FOODBORNE	3	0	0	0	0	1	16 ²	0	0	0
BOTULISM, INFANT ³	4	5	1	3	1	1	4	8	4	4
BOTULISM, WOUND	0	1	0	1	1	1	0	0	0	0
BOTULISM, OTHER	0	0	1	0	2	1	0	0	0	0
BRUCELLOSIS	25	18	17	37	32	37	43	22	23	26
CAMPYLOBACTERIOSIS	1,690	1,075	816	1,264	1,218	822	1,109	1,237	1,153	881
CHICKENPOX (VARICELLA)	10,061	11,768	8,336	8,544	5,465	6,047	5,741	6,967	7,473	20,484
CHOLERA	1	0	0	0	0	0	0	0	0	0
CONTAMINATED SHARPS INJURY	1,454	1,461	1,858	1,686	1,779	1,622	1,789	NR ⁴	NR	NR
CREUTZFELDT-JAKOB DISEASE	14	10	15	13	16	7	14	14	14	15
CRYPTOSPORIDIOSIS	233	273	115	93	79	35	95	114	69	906
CYCLOSPORIASIS	2	1	1	4	1	1	0	2	NR	NR
CYSTICERCOSIS	3	NR	NR	NR	NR	NR	NR	NR	NR	NR
DENGUE	32	8	31	3	5	12	7	6	66	6
DENGUE HEMORRHAGIC FEVER	0	0	1	0	0	0	0	0	0	0
DIPHTHERIA ⁵	0	0	0	0	0	0	0	0	0	0
EHRlichiosis	32	7	8	4	9	8	0	0	1	2
ENCEPHALITIS, CALIFORNIA	0	0	0	0	0	2	0	0	0	0
ENCEPHALITIS, EASTERN EQUINE	0	0	0	0	0	0	1	0	0	0
ENCEPHALITIS, ST LOUIS	0	1	0	4	18	19	5	2	0	4
ENCEPHALITIS, VENEZUELAN EQUINE ⁶	0	0	0	0	0	0	0	0	0	0
ENCEPHALITIS, WESTERN EQUINE ⁷	0	0	0	0	0	0	0	0	0	0
ENCEPHALITIS, NONARBOVIRAL	11	NA ⁸	NA	NA	NA	33	46	39	27	34
<i>ESCHERICHIA COLI</i> , SHIGA TOXIN-PRODUCING (STEC) ⁹	210	NA	NA	NA	NA	NA	NA	NA	NA	NA
<i>ESCHERICHIA COLI</i> (<i>E. COLI</i>) O157:H7	NA	78	37	47	56	74	86	137	105	85
<i>E. COLI</i> , SHIGA POSITIVE NON-O157	NA	21	5	5	4	2	1	NR	NR	NR
<i>E. COLI</i> , SHIGA POSITIVE NOT SEROGROUPED	NA	111	54	6	4	9	0	NR	NR	NR
<i>HAEMOPHILUS INFLUENZAE</i> TYPE B, INVASIVE	14	11	8	2	5	7	3	4	4	3
HANTAVIRUS INFECTION	3	0	0	1	1	0	0	0	0	0
HANTAVIRUS PULMONARY SYNDROME	0	2	4	1	5	3	0	2	2	0
HEMOLYTIC UREMIC SYNDROME	11	16	12	14	4	3	12	21	18	6
HEPATITIS A, ACUTE	264	330	461	624	613	960	1,154	1,937	2,516	3,538
HEPATITIS B, ACUTE	741	833	742	687	965	1,110	714	1,059	864	1,960
HEPATITIS B, PERINATAL ¹⁰	3	1	8	0	1	3	11	NR	NR	NR
HEPATITIS C, ACUTE	67	56	95	95	32	235	138	238	321	443
HEPATITIS C, CHRONIC	NR	NA	36,266	28,053	33,882	32,037	29,244	17,456	NR	NR
HEPATITIS D, ACUTE	2	0	3	2	0	0	0	0	1	0
HEPATITIS E, ACUTE	0 ¹¹	2	0	0	0	0	0	0	2	NA
HEPATITIS NON-A/NON-B, ACUTE	NA	NA	NA	NA	NA	NA	NA	NA	3	1
HEPATITIS UNSPECIFIED, ACUTE	NA	NA	NA	NA	NA	NA	NA	NA	2	16
INFLUENZA-ASSOCIATED PEDIATRIC MORTALITY ¹²	13	NR	NR	NR	NR	NR	NR	NR	NR	NR
LEGIONELLOSIS	121	69	55	137	71	29	17	15	22	17
LEISHMANIASIS	9	NR	NR	NR	NR	NR	NR	NR	NR	NR
LISTERIOSIS	64	41	39	42	41	24	31	25	19	29
LYME DISEASE	87	29	69	99	85	133	75	77	72	32
MALARIA	130	106	130	111	125	70	77	46	113	78
MEASLES	7	0	3	0	0	1	1	0	7	0
MENINGITIS, ASEPTIC	2,126	1,740	1,878	2,521	3,109	1,355	1,992	1,233	921	1,576
MENINGITIS, BACTERIAL/OTHER ¹³	486	337	332	412	345	351	538	490	548	713
MENINGOCOCCAL INFECTION ¹⁴	55	45	61	72	105	130	203	146	106	176
MUMPS	21	58	25	23	18	15	14	27	35	42
PERTUSSIS	1,051	954	2,224	1,184	670	1,240	615	327	152	287
PLAGUE	0	1	0	0	0	0	0	0	0	0
POLIOMYELITIS ¹⁵	0	0	0	0	0	0	0	0	0	0
PRIMARY AMOEBIC MENINGOENCEPHALITIS	2	0	1	0	0	1	3	1	0	1
Q FEVER	11	13	6	5	4	6	NR	NR	NR	NR
RABIES, HUMAN	0	1	0	3	0	0	0	0	0	0
RELAPSING FEVER	0	0	0	0	0	0	0	0	1	0
RUBELLA	0	0	0	1	0	2	2	6	9	89
RUBELLA, CONGENITAL SYNDROME ¹⁶	0	0	0	0	0	0	0	0	0	3
SALMONELLOSIS	3,534	3,060	3,145	2,665	3,868	2,332	2,819	2,941	2,198	3,401
SEVERE ACUTE RESPIRATORY SYNDROME ¹⁷	0	0	0	0	0	NR	NR	NR	NR	NR
SHIGELLOSIS	2,358	2,065	3,100	3,336	4,409	2,075	2,044	2,859	2,281	3,988

DISEASE	2007	2006	2005	2004	2003	2002	2001	2000	1999	1998
SMALLPOX ¹⁸	0	0	0	0	0	0	0	0	0	0
SPOTTED FEVER GP RICKETTSIOSES	49	40	30	20	14	13	0	6	10	3
STREPTOCOCCUS, GROUP A	281	302	241	273	207	254	270	229	234	347
STREPTOCOCCUS, GROUP B	433	464	340	321	175	37	26	NR	NR	NR
STREPTOCOCCUS PNEUMONIAE	1,417	901	735	481	271	NR	NR	NR	NR	NR
STREPTOCOCCAL DISEASE, INVASIVE ¹⁹	NR	NR	NR	NR	NR	NR	NR	529	517	250
TAENIASIS	0	NR	NR	NR	NR	NR	NR	NR	NR	NR
TETANUS	0	1	0	2	1	2	3	5	6	4
TRICHINOSIS ²⁰	0	0	0	0	0	0	0	0	0	0
TULAREMIA	1	0	1	1	2	3	NR	NR	NR	NR
TYPHOID FEVER	22	17	30	28	30	28	20	16	23	29
TYPHUS, MURINE	169	146	100	66	30	53	22	53	42	45
VIBRIO PARAHAEMOLYTICUS	15	11	11	18	9	8	3	16	8	35
VIBRIO VULNIFICUS	26	22	17	32	14	15	14	12	15	8
VIBRIO, OTHER/UNSPECIFIED	19	21	25	29	20	18	14	13	27	18
VIRAL HEMORRHAGIC FEVER ²¹	0	0	0	0	0	0	0	0	0	0
VISA ²²	3	NR	NR	NR	NR	NR	NR	NR	NR	NR
VRSA ²³	0	0	0	0	0	0	0	0	0	0
WEST NILE FEVER	90	121	67	57	297	19	NR	NR	NR	NR
WEST NILE NEUROINVASIVE DISEASE	170	233	128	119	439	202	NR	NR	NR	NR
YELLOW FEVER	0	0	0	0	0	1	0	0	0	0
YERSINIOSIS	10	13	12	22	11	17	14	4	20	12

Footnotes

- ¹ Diseases listed reflect those that were notifiable in Texas each year based on Texas Administrative Code. Counts are by calendar year. Case counts are presumed to be underestimates of true disease incidence due to incomplete reporting. Data in this table may not match tables in articles in this publication that were written prior to completion of data review for this report, or other previously published materials.
- ² Previously reported number (15) did not include one case associated with the contaminated commercial frozen chili product outbreak.
- ³ Infant botulism cases are under one year of age by definition.
- ⁴ Condition not reportable (NR) in Texas.
- ⁵ The last case of diphtheria reported in Texas occurred in 1977 and the last case reported in the United States occurred in 1979.
- ⁶ The last case of Venezuelan equine encephalitis reported in Texas occurred in 1971 during an outbreak that included South Texas. That year there were 110 non-fatal human cases reported and over 1,500 equine deaths.
- ⁷ The last case of western equine encephalitis reported in Texas occurred in 1987.
- ⁸ Data is not available (NA) due to changes in case classification or surveillance practices.
- ⁹ The categories for classifying enterohemorrhagic *Escherichia coli* were modified beginning in 2007 and do not completely overlap those of previous years.
- ¹⁰ Perinatal hepatitis B cases are defined as infants >1 month through 24 months of age born in the US to HBsAg positive mothers.
- ¹¹ Beginning in 2007, Hepatitis E antibody positive cases without confirmatory testing at CDC were not counted as confirmed.
- ¹² Pediatric influenza mortality cases are under 18 years of age by definition.
- ¹³ "Meningitis, bacterial/other" includes all cases of meningitis due to infectious agents (bacterial, fungal, parasitic) other than aseptic (viral) meningitis. It includes cases that are also counted under specific etiologic agents such as *Haemophilus influenzae* serotype b, *Neisseria meningitidis*, Group A *Streptococcus*, Group B *Streptococcus*, *Streptococcus pneumoniae* and *Listeria monocytogenes*. For 2007, two cases had both bacterial and other etiologies.
- ¹⁴ Includes all cases of invasive *Neisseria meningitidis* including cases of meningitis, septicemia, and joint infections.
- ¹⁵ The last case of wild-strain paralytic poliomyelitis reported in Texas occurred in 1977. The last vaccine-associated paralytic poliomyelitis (VAPP) case in Texas occurred in 1997. In the United States, the last

Footnotes

wild case occurred in 1979 and the last VAPP case occurred in 1999.

¹⁶ Congenital rubella cases are under one year of age by definition.

¹⁷ No cases of severe acute respiratory syndrome-associated coronavirus (SARS) disease have occurred in Texas. SARS was first recognized in February 2003. It is thought to have originated in the Guangdong Province of China about November 2002. During 2003, outbreaks occurred at 6 sites (Guangdong Province, Hong Kong, Taiwan, Singapore, Vietnam, and Canada), with sporadic cases at 20 other sites along major airline routes. The United States reported eight cases that year.

¹⁸ The last case of smallpox in the United States occurred in Texas in 1949. The last naturally occurring case in the world occurred in 1977.

¹⁹ All invasive *Streptococcus* infections were reportable during 1998 through 2000. For these years, cases were recorded as either “Streptococcal disease, invasive” or “*Streptococcus*, group A”. Since 2001, only certain types of invasive *Streptococcus* were reportable and each is listed separately.

²⁰ The last case of trichinosis reported in Texas occurred in 1991.

²¹ This category does not include hemorrhagic cases of dengue and hantavirus. Dengue hemorrhagic fever is listed in this table as a separate condition. Hemorrhagic cases of hantavirus would be included with “hantavirus infection”, although no Texas cases have been reported. More exotic conditions such as Lassa fever, Marburg, and Ebola would be listed in this category with footnotes naming the agents; however, no such cases have been reported in Texas.

²² Vancomycin-intermediate resistant *Staphylococcus aureus* (VISA)--*Staphylococcus aureus* with a vancomycin minimum inhibitory concentration (MIC) of 4 µg/mL through 8 µg/mL.

²³ Vancomycin-resistant *Staphylococcus aureus* (VRSA) --*Staphylococcus aureus* with a vancomycin MIC of 16 µg/mL or greater. (Until 2007, VRSA was defined as *Staphylococcus aureus* with a vancomycin MIC of 8 µg/mL or greater.)

TABLE II
REPORTED DISEASE RATES¹
(CASES PER 100,000 POPULATION)
1998-2007

DISEASE	2007	2006	2005	2004	2003	2002	2001	2000	1999	1998
AMEBIASIS	1.8	0.9	0.6	1.4	0.9	0.5	0.2	0.2	0.2	0.4
ANTHRAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BOTULISM, FOODBORNE	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
BOTULISM, INFANT ²	1.0	1.3	0.3	0.8	0.3	0.3	1.1	2.4	1.2	1.2
BOTULISM, WOUND	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BOTULISM, OTHER	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BRUCELLOSIS	0.1	0.1	0.1	0.2	0.1	0.2	0.2	0.1	0.1	0.1
CAMPYLOBACTERIOSIS	7.1	4.6	3.6	5.6	5.5	3.8	5.2	5.9	5.8	4.5
CHICKENPOX (VARICELLA)	42.0	50.2	36.5	38.0	24.7	27.8	26.9	33.4	37.4	104.2
CHOLERA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CONTAMINATED SHARPS INJURY ³	-	-	-	-	-	-	-	NR ⁴	NR	NR
CREUTZFELDT-JAKOB DISEASE	0.1	0.0	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.1
CRYPTOSPORIDIOSIS	1.0	1.2	0.5	0.4	0.4	0.2	0.4	0.6	0.3	4.6
CYCLOSPORIASIS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	NR	NR
CYSTICERCOSIS	0.0	NR	NR	NR	NR	NR	NR	NR	NR	NR
DENGUE	0.1	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.3	0.0
DENGUE HEMORRHAGIC FEVER	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
DIPHThERIA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
EHRlichIOSIS	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENCEPHALITIS, CALIFORNIA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENCEPHALITIS, EASTERN EQUINE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENCEPHALITIS, ST LOUIS	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0
ENCEPHALITIS, VENEZUELAN EQUINE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENCEPHALITIS, WESTERN EQUINE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENCEPHALITIS, NONARBOVIRAL	0.0	NA ⁵	NA	NA	NA	0.2	0.2	0.2	0.1	0.2
ESCHERICHIA COLI, SHIGA TOXIN-PRODUCING (STEC)	0.9	NA	NA	NA	NA	NA	NA	NA	NA	NA
ESCHERICHIA COLI (E. COLI) O157:H7	NA	0.3	0.2	0.2	0.3	0.3	0.4	0.7	0.5	0.4
E. COLI, SHIGA POSITIVE NON-O157	NA	0.1	0.0	0.0	0.0	0.0	0.0	NR	NR	NR
E. COLI, SHIGA POSITIVE NOT SEROGROUPED	NA	0.5	0.2	0.0	0.0	0.0	0.0	NR	NR	NR
HAEMOPHILUS INFLUENZAE TYPE B, INVASIVE	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HANTAVIRUS INFECTION	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HANTAVIRUS PULMONARY SYNDROME	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HEMOLYTIC UREMIC SYNDROME	0.0	0.1	0.1	0.1	0.0	0.0	0.1	0.1	0.1	0.0
HEPATITIS A, ACUTE	1.1	1.4	2.0	2.8	2.8	4.4	5.4	9.3	12.6	18.0
HEPATITIS B, ACUTE	3.1	3.5	3.2	3.1	4.4	5.1	3.3	5.1	4.3	10.0
HEPATITIS B, PERINATAL ⁶	0.4	0.1	1.1	0.0	0.1	0.4	1.6	NR	NR	NR
HEPATITIS C, ACUTE	0.3	0.2	0.4	0.4	0.1	1.1	0.6	1.1	1.6	2.3
HEPATITIS C, CHRONIC	NR	NA	158.6	124.7	153.2	147.1	137.1	83.7	NR	NR
HEPATITIS D, ACUTE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HEPATITIS E, ACUTE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	NA
HEPATITIS NON-A/NON-B, ACUTE	NA	NA	NA	NA	NA	NA	NA	NA	0.0	0.0
HEPATITIS UNSPECIFIED, ACUTE	NA	NA	NA	NA	NA	NA	NA	NA	0.0	0.1
INFLUENZA-ASSOCIATED PEDIATRIC MORTALITY ⁷	0.2	NR	NR	NR	NR	NR	NR	NR	NR	NR
LEGIONELLOSIS	0.5	0.3	0.2	0.6	0.3	0.1	0.1	0.1	0.1	0.1
LEISHMANIASIS	0.0	NR	NR	NR	NR	NR	NR	NR	NR	NR
LISTERIOSIS	0.3	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1
LYME DISEASE	0.4	0.1	0.3	0.4	0.4	0.6	0.4	0.4	0.4	0.2
MALARIA	0.5	0.5	0.6	0.5	0.6	0.3	0.4	0.2	0.6	0.4
MEASLES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MENINGITIS, ASEPTIC	8.9	7.4	8.2	11.2	14.1	6.2	9.3	5.9	4.6	8.0
MENINGITIS, BACTERIAL/OTHER	2.0	1.4	1.5	1.8	1.6	1.6	2.5	2.3	2.7	3.6
MENINGOCOCCAL INFECTION	0.2	0.2	0.3	0.3	0.5	0.6	1.0	0.7	0.5	0.9
MUMPS	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2
PERTUSSIS	4.4	4.1	9.7	5.3	3.0	5.7	2.9	1.6	0.8	1.5
PLAGUE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
POLIOMYELITIS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PRIMARY AMOEBIC MENINGOENCEPHALITIS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Q FEVER	0.0	0.1	0.0	0.0	0.0	0.0	NR	NR	NR	NR
RABIES, HUMAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RELAPSING FEVER	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RUBELLA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
RUBELLA, CONGENITAL SYNDROME ⁸	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9
SALMONELLOSIS	14.8	13.0	13.8	11.8	17.5	10.7	13.2	14.1	11.0	17.3
SEVERE ACUTE RESPIRATORY SYNDROME	0.0	0.0	0.0	0.0	0.0	NR	NR	NR	NR	NR

DISEASE	2007	2006	2005	2004	2003	2002	2001	2000	1999	1998
SHIGELLOSIS	9.9	8.8	13.6	14.8	19.9	9.5	9.6	13.7	11.4	20.3
SMALLPOX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SPOTTED FEVER GP RICKETTSIOSES	0.2	0.2	0.1	0.1	0.1	0.1	0.0	0.0	0.1	0.0
<i>STREPTOCOCCUS</i> , GROUP A	1.2	1.3	1.1	1.2	0.9	1.2	1.3	1.1	1.2	1.8
<i>STREPTOCOCCUS</i> , GROUP B	1.8	2.0	1.5	1.4	0.8	0.2	0.1	NR	NR	NR
<i>STREPTOCOCCUS PNEUMONIAE</i>	5.9	3.8	3.2	2.1	1.2	NR	NR	NR	NR	NR
STREPTOCOCCAL DISEASE, INVASIVE	NR	NR	NR	NR	NR	NR	NR	2.5	2.6	1.3
TAENIASIS	0.0	NR	NR	NR	NR	NR	NR	NR	NR	NR
TETANUS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TRICHINOSIS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TULAREMIA	0.0	0.0	0.0	0.0	0.0	0.0	NR	NR	NR	NR
TYPHOID FEVER	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
TYPHUS, MURINE	0.7	0.6	0.4	0.3	0.1	0.2	0.1	0.3	0.2	0.2
<i>VIBRIO PARAHAEMOLYTICUS</i>	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.2
<i>VIBRIO VULNIFICUS</i>	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0
<i>VIBRIO</i> OTHER/UNSPECIFIED	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
VIRAL HEMORRHAGIC FEVER	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
VISA	0.0	NR	NR	NR	NR	NR	NR	NR	NR	NR
VRSA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WEST NILE FEVER	0.4	0.5	0.3	0.3	1.3	0.1	NR	NR	NR	NR
WEST NILE NEUROINVASIVE DISEASE	0.7	1.0	0.6	0.5	2.0	0.9	NR	NR	NR	NR
YELLOW FEVER	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
YERSINIOSIS	0.0	0.1	0.1	0.1	0.0	0.1	0.1	0.0	0.1	0.1

Footnotes

- ¹ Population data is from the Department of State Health Services, Center for Health Statistics. As estimates become available annually, they replace the population projections (<http://www.dshs.state.tx.us/chs/popdat/popup.shtm>). For 1997-1999, the projected populations are used based on data in published annual reports (1997 - 19,307,376; 1998 - 19,649,800; and 1999 - 19,995,428). For 2000-2005, population estimates are used since projected population data was not captured in annual reports for those years (2000 - 20,851,820; 2001 - 21,325,018; 2002 - 21,779,893; 2003 - 2,118,509; 2004 - 22,490,022; 2005 - 22,859,968). The projected population for 2006 (23,464,827) and 2007 (23,936,227) is from <http://www.dshs.state.tx.us/chs/popdat/detailX.shtm> and accessed 8/21/2007 and 1/7/2005, respectively.
- ² Infant botulism rates are calculated using the population under 1 year of age.
- ³ Rates are not available. The referent population, health care workers at Texas governmental entities, is unknown.
- ⁴ Condition not reportable (NR) in Texas.
- ⁵ Data is not available (NA) due to changes in case classification or surveillance practices.
- ⁶ 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.
- ⁷ Pediatric-associated influenza deaths are calculated using the population under 18 years of age.
- ⁸ Congenital rubella rates are calculated using the population under 1 year of age.

TABLE III
REPORTED DISEASES BY MONTH¹
2007

DISEASE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
AMEBIASIS	18	28	29	32	34	60	58	35	53	44	20	23	434
BOTULISM, FOODBORNE	0	0	0	0	0	2	1	0	0	0	0	0	3
BOTULISM, INFANT	0	0	0	0	0	1	1	0	0	0	1	1	4
BRUCELLOSIS	4	0	2	4	4	3	1	2	2	2	0	1	25
CAMPYLOBACTERIOSIS	63	74	89	106	173	297	270	195	148	128	84	63	1,690
CHICKENPOX (VARICELLA)	1,084	1,839	1,531	1,476	1,089	221	155	194	499	654	796	523	10,061
CHOLERA	0	0	0	0	0	0	0	1	0	0	0	0	1
CREUTZFELDT-JAKOB DISEASE	3	0	0	1	2	3	0	2	1	1	1	0	14
CRYPTOSPORIDIOSIS	9	8	5	6	9	15	25	56	47	37	12	4	233
CYCLOSPORIASIS	0	0	0	0	0	0	2	0	0	0	0	0	2
CYSTICERCOSIS	0	0	0	1	1	1	0	0	0	0	0	0	3
DENGUE FEVER	1	3	0	0	2	2	4	10	1	4	4	1	32
EHRlichiosis, OTHER/UNSPECIFIED	0	0	0	2	2	3	3	4	3	6	3	6	32
ENCEPHALITIS, NONARBOVIRAL	0	0	1	0	3	1	0	4	0	1	0	1	11
ESCHERICHIA COLI, SHIGA TOXIN-PRODUCING (STEC)	9	11	13	20	17	23	24	20	18	17	14	24	210
HAEMOPHILUS INFLUENZAE TYPE B, INVASIVE	2	0	1	0	2	1	0	2	0	3	1	2	14
HANTAVIRUS PULMONARY SYNDROME	0	0	0	1	1	0	0	1	0	0	0	0	3
HEMOLYTIC UREMIC SYNDROME	1	2	0	0	1	3	2	1	0	1	0	0	11
HEPATITIS A, ACUTE	26	19	10	13	19	8	18	30	37	31	27	26	264
HEPATITIS B, ACUTE	56	79	75	67	72	68	58	53	40	60	66	47	741
HEPATITIS B, PERINATAL	0	0	0	0	0	1	0	1	0	1	0	0	3
HEPATITIS C, ACUTE	7	5	9	6	4	3	7	8	5	4	7	2	67
HEPATITIS D, ACUTE	0	0	1	0	0	0	0	0	0	0	1	0	2
INFLUENZA-ASSOCIATED PEDIATRIC MORTALITY	3	5	2	0	0	1	0	1	0	0	1	0	13
LEGIONELLOSIS	9	4	5	12	8	14	13	15	16	11	7	7	121
LEISHMANIASIS	1	2	1	2	1	0	0	1	0	1	0	0	9
LISTERIOSIS	4	3	10	3	3	4	6	5	7	6	5	8	64
LYME DISEASE	7	5	8	8	14	10	9	8	4	8	6	0	87
MALARIA	24	2	12	6	6	14	16	15	8	9	9	9	130
MEASLES	1	0	0	3	0	0	0	1	2	0	0	0	7
MENINGITIS, ASEPTIC	99	93	110	177	245	271	260	227	212	183	154	95	2,126
MENINGITIS, BACTERIAL	30	41	40	25	29	26	31	30	26	38	26	43	385
MENINGITIS, OTHER	7	7	8	10	13	14	8	7	3	6	11	7	101
MENINGOCOCCAL INFECTION	5	6	7	2	4	8	2	5	4	4	2	6	55
MUMPS	4	2	1	1	3	1	1	3	1	2	1	1	21
PERTUSSIS	82	70	86	83	124	121	101	112	82	60	58	72	1,051
PRIMARY AMOEBIC MENINGOENCEPHALITIS	0	0	0	0	0	0	0	2	0	0	0	0	2
Q FEVER	1	0	2	0	0	1	1	1	0	2	2	1	11
SALMONELLOSIS	120	122	164	227	234	272	412	416	454	485	363	265	3,534
SHIGELLOSIS	69	52	126	246	178	173	180	230	339	329	259	259	2,358
SPOTTED FEVER GP RICKETTSIOSIS	1	2	5	3	8	5	8	4	6	3	3	1	49
STREPTOCOCCUS, GROUP A	20	29	25	24	21	24	22	22	16	14	28	36	281
STREPTOCOCCUS, GROUP B	22	46	31	39	36	27	41	35	36	42	45	33	433
STREPTOCOCCUS PNEUMONIAE	149	206	156	99	100	69	45	45	73	94	171	210	1,417
TULAREMIA	0	0	0	0	0	0	1	0	0	0	0	0	1
TYPHOID FEVER	4	0	1	1	1	1	2	3	6	0	1	2	22
TYPHUS, MURINE	8	13	7	11	22	18	25	18	11	11	9	16	169
VIBRIO PARAHAEMOLYTICUS	0	0	0	1	2	2	2	1	3	0	2	2	15
VIBRIO VULNIFICUS	0	0	0	2	5	3	4	7	2	3	0	0	26
VIBRIO OTHER/UNSPECIFIED	1	0	0	1	4	2	3	5	0	2	1	0	19
VISA	0	0	0	0	0	0	0	0	0	1	2	0	3
WEST NILE FEVER	0	0	0	0	2	3	8	32	26	17	2	0	90
WEST NILE NEUROINVASIVE DISEASE	0	0	0	1	1	2	11	75	49	28	3	0	170
YERSINIOSIS	2	0	1	0	1	1	1	1	1	0	1	1	10

Footnote

¹ Event month for each condition and/or case may be month of onset, diagnosis, report, or other event. For pediatric influenza mortality and Creutzfeldt-Jakob disease, the event month is the month of death.

**TABLE IV
REPORTED DISEASES BY AGE GROUP
2007**

DISEASE	<1	1-4	5-9	10-14	15-19	20-29	30-39	40-49	50-59	60+	UNK	TOTAL
AMEBIASIS	3	23	53	51	45	84	78	53	28	16	0	434
BOTULISM, FOODBORNE	0	0	0	2	0	0	1	0	0	0	0	3
BOTULISM, INFANT ¹	4											4
BRUCELLOSIS	0	0	1	1	2	2	5	6	3	5	0	25
CAMPYLOBACTERIOSIS	104	282	169	113	82	197	179	204	154	199	7	1,690
CHICKENPOX (VARICELLA)	283	1,171	6,062	1,986	143	158	106	57	30	29	36	10,061
CHOLERA	0	0	0	0	0	0	0	0	0	1	0	1
CREUTZFELDT-JAKOB DISEASE	0	0	0	0	0	0	1	1	2	10	0	14
CRYPTOSPORIDIOSIS	10	55	28	18	12	19	28	29	10	24	0	233
CYCLOSPORIASIS	0	0	0	0	0	1	0	0	1	0	0	2
CYSTICERCOSIS	0	0	0	0	0	0	1	1	0	1	0	3
DENGUE FEVER	0	0	0	1	1	9	9	6	4	2	0	32
EHRlichiosis, OTHER/UNSPECIFIED	2	10	12	0	1	0	1	0	0	6	0	32
ENCEPHALITIS, NONARBOVIRAL	0	2	1	1	1	2	0	1	0	3	0	11
ESCHERICHIA COLI, SHIGA TOXIN-PRODUCING (STEC)	28	77	19	9	13	18	9	11	9	17	0	210
HAEMOPHILUS INFLUENZAE TYPE B, INVASIVE	3	0	0	0	0	0	0	3	1	7	0	14
HANTAVIRUS PULMONARY SYNDROME	0	0	0	0	1	2	0	0	0	0	0	3
HEMOLYTIC UREMIC SYNDROME	0	6	1	1	1	0	0	0	1	1	0	11
HEPATITIS A, ACUTE	0	7	9	17	18	40	44	35	31	63	0	264
HEPATITIS B, ACUTE	2	0	1	2	10	113	187	209	130	80	7	741
HEPATITIS B, PERINATAL ²	1	2										3
HEPATITIS C, ACUTE	0	0	0	0	4	19	17	21	4	2	0	67
HEPATITIS D, ACUTE	0	0	0	0	0	0	0	2	0	0	0	2
INFLUENZA-ASSOCIATED PEDIATRIC MORTALITY ³	1	3	2	4	3							13
LEGIONELLOSIS	0	0	0	0	0	4	7	19	29	62	0	121
LEISHMANIASIS	0	0	0	0	0	0	0	0	3	6	0	9
LISTERIOSIS	14	1	1	1	2	7	10	2	6	20	0	64
LYME DISEASE	0	0	6	2	3	11	20	22	14	8	1	87
MALARIA	0	6	7	5	5	37	19	24	15	12	0	130
MEASLES	0	1	0	0	3	2	0	1	0	0	0	7
MENINGITIS, ASEPTIC	529	90	202	181	137	309	280	181	118	99	0	2,126
MENINGITIS, BACTERIAL	89	18	13	15	8	35	42	47	48	70	0	385
MENINGITIS, OTHER	0	1	0	1	0	18	28	31	14	8	0	101
MENINGOCOCCAL INFECTION	10	3	3	3	8	13	5	1	5	4	0	55
MUMPS	0	5	4	4	1	1	2	2	1	1	0	21
PERTUSSIS	285	128	192	82	43	61	108	74	39	38	1	1,051
PRIMARY AMOEBIC MENINGOENCEPHALITIS	0	0	0	1	0	1	0	0	0	0	0	2
Q FEVER	0	0	0	0	0	3	1	4	1	2	0	11
SALMONELLOSIS	610	779	351	176	131	265	203	228	237	541	13	3,534
SHIGELLOSIS	43	663	845	187	53	155	167	104	55	56	30	2,358
SPOTTED FEVER GP RICKETTSIOSES	0	0	3	5	2	10	8	6	10	5	0	49
STREPTOCOCCUS, GROUP A	8	23	13	8	10	19	21	39	35	105	0	281
STREPTOCOCCUS, GROUP B	96	3	0	1	2	21	28	45	66	171	0	433
STREPTOCOCCUS PNEUMONIAE	80	150	49	24	12	52	109	184	243	514	0	1,417
TULAREMIA	0	0	0	0	0	1	0	0	0	0	0	1
TYPHOID FEVER	0	3	2	2	1	7	3	2	1	1	0	22
TYPHUS, MURINE	0	3	16	23	24	19	30	19	14	21	0	169
VIBRIO PARAHAEMOLYTICUS	0	0	3	3	1	2	0	2	3	1	0	15
VIBRIO VULNIFICUS	0	0	0	0	0	0	1	3	9	13	0	26
VIBRIO OTHER/UNSPECIFIED	0	0	1	1	1	3	2	2	6	3	0	19
VISA	0	0	0	0	0	0	0	0	3	0	0	3
WEST NILE FEVER	0	0	3	1	3	11	13	18	20	21	0	90
WEST NILE NEUROINVASIVE DISEASE	0	1	2	4	3	7	12	26	35	80	0	170
YERSINIOSIS	4	2	0	0	0	1	0	0	0	3	0	10

Footnotes

¹ Infant botulism cases are under 1 year of age by definition.

³ Pediatric influenza mortality cases are under 18 years of age by definition.

² Perinatal hepatitis B cases are >1 month through 24 months of age by definition.

TABLE V
REPORTED DISEASES BY AGE GROUP
CASES PER 100,000 POPULATION¹
2007

Population ►	392,626	1,520,118	1,713,485	1,721,432	1,821,903	3,638,444	3,540,196	3,447,659	2,804,184	3,336,180	23,936,227
DISEASE	<1	1-4	5-9	10-14	15-19	20-29	30-39	40-49	50-59	60+	TOTAL
AMEBIASIS	0.8	1.5	3.1	3.0	2.5	2.3	2.2	1.5	1.0	0.5	1.8
BOTULISM, FOODBORNE	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BOTULISM, INFANT ²	1.0										1.0
BRUCELLOSIS	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1
CAMPYLOBACTERIOSIS	26.5	18.6	9.9	6.6	4.5	5.4	5.1	5.9	5.5	6.0	7.1
CHICKENPOX (VARICELLA)	72.1	77.0	353.8	115.4	7.8	4.3	3.0	1.7	1.1	0.9	42.0
CHOLERA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CREUTZFELDT-JAKOB DISEASE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.3	0.1
CRYPTOSPORIDIOSIS	2.5	3.6	1.6	1.0	0.7	0.5	0.8	0.8	0.4	0.7	1.0
CYCLOSPORIASIS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CYSTICERCOSIS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
DENGUE FEVER	0.0	0.0	0.0	0.1	0.1	0.2	0.3	0.2	0.1	0.1	0.1
EHRlichiosis, OTHER/UNSPECIFIED	0.5	0.7	0.7	0.0	0.1	0.0	0.0	0.0	0.0	0.2	0.1
ENCEPHALITIS, NONARBOVIRAL	0.0	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.1	0.0
<i>ESCHERICHIA COLI</i> , SHIGA TOXIN-PRODUCING (STEC)	7.1	5.1	1.1	0.5	0.7	0.5	0.3	0.3	0.3	0.5	0.9
<i>HAEMOPHILUS INFLUENZAE</i> TYPE B, INVASIVE	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.2	0.1
HANTAVIRUS PULMONARY SYNDROME	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0
HEMOLYTIC UREMIC SYNDROME	0.0	0.4	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
HEPATITIS A, ACUTE	0.0	0.5	0.5	1.0	1.0	1.1	1.2	1.0	1.1	1.9	1.1
HEPATITIS B, ACUTE	0.5	0.0	0.1	0.1	0.5	3.1	5.3	6.1	4.6	2.4	3.1
HEPATITIS B, PERINATAL ³	0.3	0.5									0.4
HEPATITIS C, ACUTE	0.0	0.0	0.0	0.0	0.2	0.5	0.5	0.6	0.1	0.1	0.3
HEPATITIS D, ACUTE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
INFLUENZA-ASSOCIATED PEDIATRIC MORTALITY ⁴	0.3	0.2	0.1	0.2	0.3						0.2
LEGIONELLOSIS	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.6	1.0	1.9	0.5
LEISHMANIASIS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.0
LISTERIOSIS	3.6	0.1	0.1	0.1	0.1	0.2	0.3	0.1	0.2	0.6	0.3
LYME DISEASE	0.0	0.0	0.4	0.1	0.2	0.3	0.6	0.6	0.5	0.2	0.4
MALARIA	0.0	0.4	0.4	0.3	0.3	1.0	0.5	0.7	0.5	0.4	0.5
MEASLES	0.0	0.1	0.0	0.0	0.2	0.1	0.0	0.0	0.0	0.0	0.0
MENINGITIS, ASEPTIC	134.7	5.9	11.8	10.5	7.5	8.5	7.9	5.2	4.2	3.0	8.9
MENINGITIS, BACTERIAL	22.7	1.2	0.8	0.9	0.4	1.0	1.2	1.4	1.7	2.1	1.6
MENINGITIS, OTHER	0.0	0.1	0.0	0.1	0.0	0.5	0.8	0.9	0.5	0.2	0.4
MENINGOCOCCAL INFECTION	2.5	0.2	0.2	0.2	0.4	0.4	0.1	0.0	0.2	0.1	0.2
MUMPS	0.0	0.3	0.2	0.2	0.1	0.0	0.1	0.1	0.0	0.0	0.1
PERTUSSIS	72.6	8.4	11.2	4.8	2.4	1.7	3.1	2.1	1.4	1.1	4.4
PRIMARY AMOEBIC MENINGOENCEPHALITIS	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Q FEVER	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.1	0.0
SALMONELLOSIS	155.4	51.2	20.5	10.2	7.2	7.3	5.7	6.6	8.5	16.2	14.8
SHIGELLOSIS	11.0	43.6	49.3	10.9	2.9	4.3	4.7	3.0	2.0	1.7	9.9
SPOTTED FEVER GP RICKETTSIOSSES	0.0	0.0	0.2	0.3	0.1	0.3	0.2	0.2	0.4	0.1	0.2
<i>STREPTOCOCCUS</i> , GROUP A	2.0	1.5	0.8	0.5	0.5	0.5	0.6	1.1	1.2	3.1	1.2
<i>STREPTOCOCCUS</i> , GROUP B	24.5	0.2	0.0	0.1	0.1	0.6	0.8	1.3	2.4	5.1	1.8
<i>STREPTOCOCCUS PNEUMONIAE</i>	20.4	9.9	2.9	1.4	0.7	1.4	3.1	5.3	8.7	15.4	5.9
TULAREMIA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TYPHOID FEVER	0.0	0.2	0.1	0.1	0.1	0.2	0.1	0.1	0.0	0.0	0.1
TYPHUS, MURINE	0.0	0.2	0.9	1.3	1.3	0.5	0.8	0.6	0.5	0.6	0.7
<i>VIBRIO PARAHAEMOLYTICUS</i>	0.0	0.0	0.2	0.2	0.1	0.1	0.0	0.1	0.1	0.0	0.1
<i>VIBRIO VULNIFICUS</i>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.3	0.4	0.1
<i>VIBRIO</i> OTHER/UNSPECIFIED	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1
VISA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
WEST NILE FEVER	0.0	0.0	0.2	0.1	0.2	0.3	0.4	0.5	0.7	0.6	0.4
WEST NILE NEUROINVASIVE DISEASE	0.0	0.1	0.1	0.2	0.2	0.2	0.3	0.8	1.2	2.4	0.7
YERSINIOSIS	1.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0

Footnotes

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

² Infant botulism rates are calculated using the population under 1 year of age.

³ Perinatal hepatitis B cases are defined as infants >1 months through 24 months of age. The statewide rate was calculated using the population under 2 years of age, which approximates this cohort. The rate calculation for those <1 year does not exclude those <1 month of age and the rate calculation for the 1-4 year cell includes only the 1 year old population.

⁴ Pediatric influenza deaths are defined as deaths occurring in persons under 18 years of age. Rates are calculated for the populations <18 years of age; the rate given in the 15-19 year cell is calculated for the 15-17 year-old population.

TABLE VI
REPORTED DISEASES BY HEALTH SERVICE REGION
2007

DISEASE	HSR 1	HSR 2	HSR 3	HSR 4	HSR 5	HSR 6	HSR 7	HSR 8	HSR 9	HSR 10	HSR 11	TOTAL
AMEBIASIS	4	27	128	2	0	175	67	25	0	4	2	434
BOTULISM, FOODBORNE	3	0	0	0	0	0	0	0	0	0	0	3
BOTULISM, INFANT	0	0	2	0	0	0	0	1	0	0	1	4
BRUCELLOSIS	0	0	10	0	1	1	5	4	0	0	4	25
CAMPYLOBACTERIOSIS	140	46	425	69	39	205	273	222	50	44	177	1,690
CHICKENPOX (VARICELLA)	948	160	2,500	414	143	1,527	1,224	1,270	359	323	1,193	10,061
CHOLERA	0	0	0	0	1	0	0	0	0	0	0	1
CREUTZFELDT-JAKOB DISEASE	2	1	5	0	1	2	1	2	0	0	0	14
CRYPTOSPORIDIOSIS	19	4	93	12	4	15	32	26	1	0	27	233
CYCLOSPORIASIS	1	0	0	0	0	0	0	0	0	0	1	2
CYSTICERCOSIS	0	0	2	1	0	0	0	0	0	0	0	3
DENGUE FEVER	0	0	8	0	2	11	7	1	0	0	3	32
EHRlichiosis, OTHER/UNSPECIFIED	0	0	0	0	0	0	0	0	0	0	32	32
ENCEPHALITIS, NONARBOVIRAL	1	0	0	1	1	4	1	1	0	0	2	11
<i>ESCHERICHIA COLI</i> , SHIGA TOXIN-PRODUCING (STEC)	4	19	79	8	1	40	11	14	2	2	30	210
<i>HAEMOPHILUS INFLUENZAE</i> TYPE B, INVASIVE	0	0	3	2	1	6	0	0	0	1	1	14
HANTAVIRUS PULMONARY SYNDROME	1	0	1	0	1	0	0	0	0	0	0	3
HEMOLYTIC UREMIC SYNDROME	1	0	4	3	0	0	2	0	1	0	0	11
HEPATITIS A, ACUTE	4	8	89	12	3	61	28	21	2	16	20	264
HEPATITIS B, ACUTE	13	34	268	46	8	110	67	119	11	43	22	741
HEPATITIS B, PERINATAL	0	0	1	0	0	2	0	0	0	0	0	3
HEPATITIS C, ACUTE	11	11	1	10	3	1	5	13	5	1	6	67
HEPATITIS D, ACUTE	0	0	2	0	0	0	0	0	0	0	0	2
INFLUENZA-ASSOCIATED PEDIATRIC MORTALITY	0	0	2	0	1	7	1	2	0	0	0	13
LEGIONELLOSIS	2	1	37	2	1	24	6	38	0	2	8	121
LEISHMANIASIS	0	0	7	0	0	0	2	0	0	0	0	9
LISTERIOSIS	0	0	10	6	1	24	3	2	0	0	18	64
LYME DISEASE	6	7	27	5	3	14	11	6	1	1	6	87
MALARIA	2	2	36	0	1	55	20	9	1	0	4	130
MEASLES	0	0	0	0	0	4	0	3	0	0	0	7
MENINGITIS, ASEPTIC	59	28	778	74	13	429	277	119	46	44	259	2,126
MENINGITIS, BACTERIAL	15	11	87	21	7	119	47	18	12	19	29	385
MENINGITIS, OTHER	1	2	28	9	1	37	5	0	1	3	14	101
MENINGOCOCCAL INFECTION	0	0	13	4	1	14	9	6	5	0	3	55
MUMPS	2	0	5	1	0	2	2	5	0	0	4	21
PERTUSSIS	44	3	388	28	26	92	274	124	19	3	50	1,051
PRIMARY AMOEBIC MENINGOENCEPHALITIS	1	0	0	0	0	0	1	0	0	0	0	2
Q FEVER	1	0	2	0	0	0	8	0	0	0	0	11
SALMONELLOSIS	94	87	906	185	101	748	394	390	76	120	433	3,534
SHIGELLOSIS	31	99	438	39	34	1,166	252	88	19	37	155	2,358
SPOTTED FEVER GP RICKETTSIOSES	1	3	6	3	3	4	2	0	0	1	26	49
<i>STREPTOCOCCUS</i> , GROUP A	19	6	67	9	5	70	44	18	16	13	14	281
<i>STREPTOCOCCUS</i> , GROUP B	31	6	137	22	3	104	52	17	6	21	34	433
<i>STREPTOCOCCUS PNEUMONIAE</i>	103	16	379	102	20	290	224	88	45	42	108	1,417
TULAREMIA	0	0	0	0	0	0	0	0	0	0	1	1
TYPHOID FEVER	0	0	11	0	0	6	1	0	0	1	3	22
TYPHUS, MURINE	0	0	0	0	0	2	2	1	0	0	164	169
<i>VIBRIO PARAHAEMOLYTICUS</i>	0	0	4	1	1	6	0	2	0	0	1	15
<i>VIBRIO VULNIFICUS</i>	0	0	5	0	1	10	1	5	1	0	3	26
<i>VIBRIO</i> OTHER/UNSPECIFIED	0	1	3	0	0	6	2	3	1	1	2	19
VISA	0	0	0	0	0	1	2	0	0	0	0	3
WEST NILE FEVER	9	5	31	2	2	11	4	6	3	8	9	90
WEST NILE NEUROINVASIVE DISEASE	8	4	42	2	19	24	11	17	5	29	9	170
YERSINIOSIS	0	0	2	1	1	1	5	0	0	0	0	10

TABLE VII
REPORTED DISEASES BY HEALTH SERVICE REGION
CASES PER 100,000 POPULATION¹
2007

DISEASE	HSR 1	HSR 2	HSR 3	HSR 4	HSR 5	HSR 6	HSR 7	HSR 8	HSR 9	HSR 10	HSR 11	TOTAL
AMEBIASIS	0.5	4.8	2.0	0.2	0.0	3.1	2.5	1.0	0.0	0.5	0.1	1.8
BOTULISM, FOODBORNE	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BOTULISM, INFANT ²	0.0	0.0	1.9	0.0	0.0	0.0	0.0	2.7	0.0	0.0	2.2	1.0
BRUCELLOSIS	0.0	0.0	0.2	0.0	0.1	0.0	0.2	0.2	0.0	0.0	0.2	0.1
CAMPYLOBACTERIOSIS	16.9	8.2	6.5	6.3	5.0	3.6	10.2	9.3	9.1	5.6	8.6	7.1
CHICKENPOX (VARICELLA)	114.2	28.5	38.2	38.0	18.4	26.9	45.8	53.1	65.7	40.8	57.9	42.0
CHOLERA	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CREUTZFELDT-JAKOB DISEASE	0.2	0.2	0.1	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.1
CRYPTOSPORIDIOSIS	2.3	0.7	1.4	1.1	0.5	0.3	1.2	1.1	0.2	0.0	1.3	1.0
CYCLOSPORIASIS	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CYSTICERCOSIS	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
DENGUE FEVER	0.0	0.0	0.1	0.0	0.3	0.2	0.3	0.0	0.0	0.0	0.1	0.1
EHRlichiosis, OTHER/UNSPECIFIED	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.1
ENCEPHALITIS, NONARBOVIRAL	0.1	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.0
ESCHERICHIA COLI, SHIGA TOXIN-PRODUCING (STEC)	0.5	3.4	1.2	0.7	0.1	0.7	0.4	0.6	0.4	0.3	1.5	0.9
HAEMOPHILUS INFLUENZAE TYPE B, INVASIVE	0.0	0.0	0.0	0.2	0.1	0.1	0.0	0.0	0.0	0.1	0.0	0.1
HANTAVIRUS PULMONARY SYNDROME	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HEMOLYTIC UREMIC SYNDROME	0.1	0.0	0.1	0.3	0.0	0.0	0.1	0.0	0.2	0.0	0.0	0.0
HEPATITIS A, ACUTE	0.5	1.4	1.4	1.1	0.4	1.1	1.0	0.9	0.4	2.0	1.0	1.1
HEPATITIS B, ACUTE	1.6	6.1	4.1	4.2	1.0	1.9	2.5	5.0	2.0	5.4	1.1	3.1
HEPATITIS B, PERINATAL ³	0.0	0.0	0.5	0.0	0.0	1.1	0.0	0.0	0.0	0.0	0.0	0.4
HEPATITIS C, ACUTE	1.3	2.0	0.0	0.9	0.4	0.0	0.2	0.5	0.9	0.1	0.3	0.3
HEPATITIS D, ACUTE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
INFLUENZA-ASSOCIATED PEDIATRIC MORTALITY ⁴	0.0	0.0	0.1	0.0	0.5	0.5	0.2	0.3	0.0	0.0	0.0	0.2
LEGIONELLOSIS	0.2	0.2	0.6	0.2	0.1	0.4	0.2	1.6	0.0	0.3	0.4	0.5
LEISHMANIASIS	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
LISTERIOSIS	0.0	0.0	0.2	0.6	0.1	0.4	0.1	0.1	0.0	0.0	0.9	0.3
LYME DISEASE	0.7	1.2	0.4	0.5	0.4	0.2	0.4	0.3	0.2	0.1	0.3	0.4
MALARIA	0.2	0.4	0.5	0.0	0.1	1.0	0.7	0.4	0.2	0.0	0.2	0.5
MEASLES	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0
MENINGITIS, ASEPTIC	7.1	5.0	11.9	6.8	1.7	7.6	10.4	5.0	8.4	5.6	12.6	8.9
MENINGITIS, BACTERIAL	1.8	2.0	1.3	1.9	0.9	2.1	1.8	0.8	2.2	2.4	1.4	1.6
MENINGITIS, OTHER	0.1	0.4	0.4	0.8	0.1	0.7	0.2	0.0	0.2	0.4	0.7	0.4
MENINGOCOCCAL INFECTION	0.0	0.0	0.2	0.4	0.1	0.2	0.3	0.3	0.9	0.0	0.1	0.2
MUMPS	0.2	0.0	0.1	0.1	0.0	0.0	0.1	0.2	0.0	0.0	0.2	0.1
PERTUSSIS	5.3	0.5	5.9	2.6	3.4	1.6	10.3	5.2	3.5	0.4	2.4	4.4
PRIMARY AMOEBIC MENINGOENCEPHALITIS	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Q FEVER	0.1	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0
SALMONELLOSIS	11.3	15.5	13.8	17.0	13.0	13.2	14.7	16.3	13.9	15.1	21.0	14.8
SHIGELLOSIS	3.7	17.7	6.7	3.6	4.4	20.6	9.4	3.7	3.5	4.7	7.5	9.9
SPOTTED FEVER GP RICKETTSIOSIS	0.1	0.5	0.1	0.3	0.4	0.1	0.1	0.0	0.0	0.1	1.3	0.2
STREPTOCOCCUS, GROUP A	2.3	1.1	1.0	0.8	0.6	1.2	1.6	0.8	2.9	1.6	0.7	1.2
STREPTOCOCCUS, GROUP B	3.7	1.1	2.1	2.0	0.4	1.8	1.9	0.7	1.1	2.7	1.6	1.8
STREPTOCOCCUS PNEUMONIAE	12.4	2.9	5.8	9.4	2.6	5.1	8.4	3.7	8.2	5.3	5.2	5.9
TULAREMIA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TYPHOID FEVER	0.0	0.0	0.2	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.1	0.1
TYPHUS, MURINE	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	8.0	0.7
VIBRIO PARAHAEMOLYTICUS	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.1
VIBRIO VULNIFICUS	0.0	0.0	0.1	0.0	0.1	0.2	0.0	0.2	0.2	0.0	0.1	0.1
VIBRIO OTHER/UNSPECIFIED	0.0	0.2	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.1	0.1	0.1
VISA	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
WEST NILE FEVER	1.1	0.9	0.5	0.2	0.3	0.2	0.1	0.3	0.5	1.0	0.4	0.4
WEST NILE NEUROINVASIVE DISEASE	1.0	0.7	0.6	0.2	2.4	0.4	0.4	0.7	0.9	3.7	0.4	0.7
YERSINIOSIS	0.0	0.0	0.0	0.1	0.1	0.0	0.2	0.0	0.0	0.0	0.0	0.0

Footnotes

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

² Infant botulism rates are calculated using the population under 1 year of age.

³ Perinatal hepatitis B rates are calculated using the population under 2 years of age.

⁴ Pediatric influenza deaths are calculated using the population under 18 years of age.

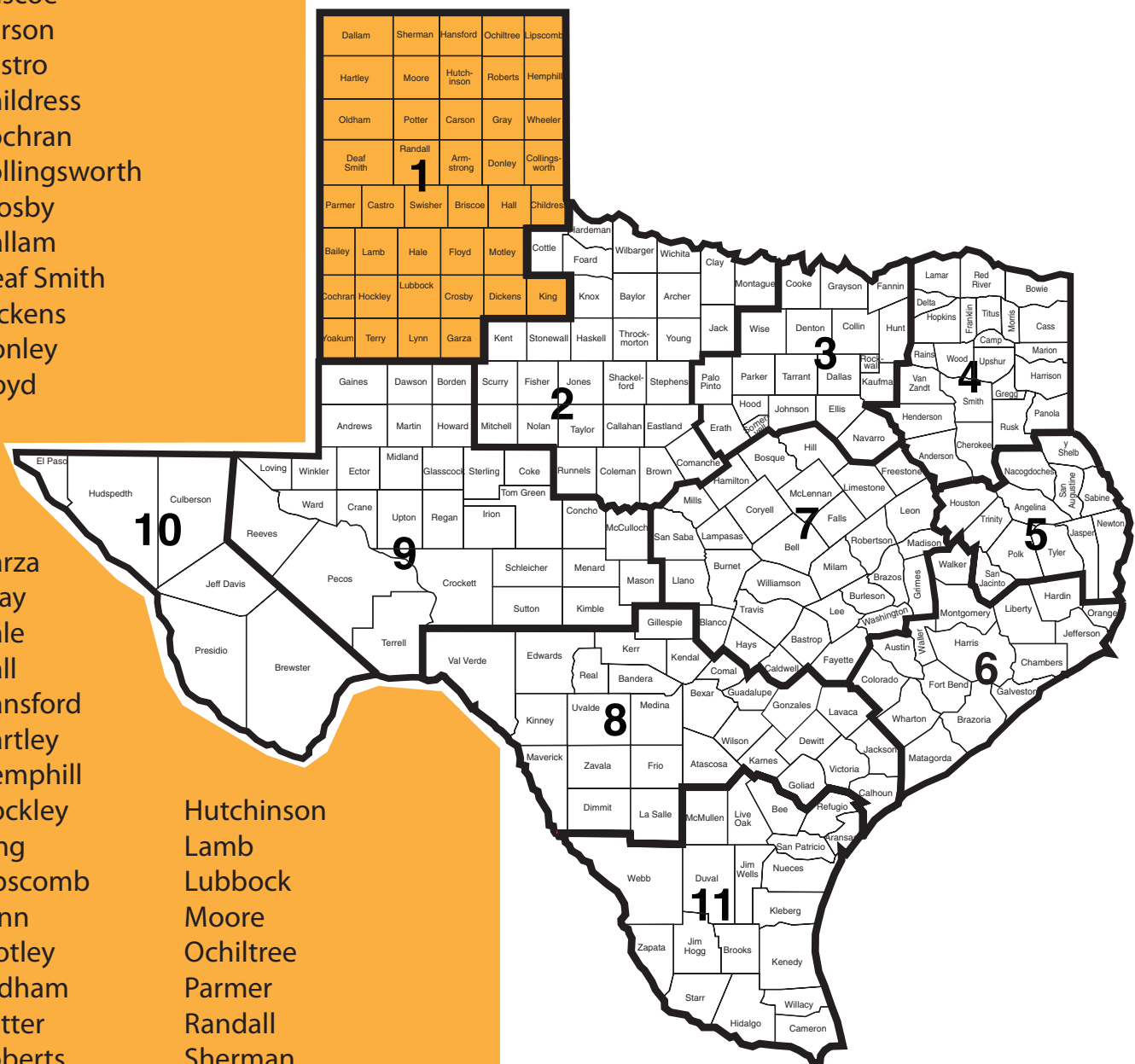
Regional Statistical Summaries



Health Service Region 1 Counties:

- Armstrong
- Bailey
- Briscoe
- Carson
- Castro
- Childress
- Cochran
- Collingsworth
- Crosby
- Dallam
- Deaf Smith
- Dickens
- Donley
- Floyd

Health Service Region 1



- Garza
- Gray
- Hale
- Hall
- Hansford
- Hartley
- Hemphill
- Hockley
- King
- Lipscomb
- Lynn
- Motley
- Oldham
- Potter
- Roberts
- Swisher
- Wheeler

- Hutchinson
- Lamb
- Lubbock
- Moore
- Ochiltree
- Parmer
- Randall
- Sherman
- Terry
- Yoakum

**HEALTH SERVICE REGION 1 - 2007
CASES AND RATES (CASES PER 100,000 POPULATION¹)**

COUNTY	2007 POP.	AMEBIASIS		BOTULISM, FOODBORNE		BOTULISM, INFANT ²		BRUCELLOSIS	
		CASES	RATES	CASES	RATES	CASES	RATES	CASES	RATES
ARMSTRONG	2,239	0	0.0	0	0.0	0	0.0	0	0.0
BAILEY	7,092	0	0.0	0	0.0	0	0.0	0	0.0
BRISCOE	1,881	0	0.0	0	0.0	0	0.0	0	0.0
CARSON	6,621	0	0.0	0	0.0	0	0.0	0	0.0
CASTRO	8,829	0	0.0	0	0.0	0	0.0	0	0.0
CHILDRESS	7,915	0	0.0	0	0.0	0	0.0	0	0.0
COCHRAN	4,015	0	0.0	0	0.0	0	0.0	0	0.0
COLLINGSWORTH	3,290	0	0.0	0	0.0	0	0.0	0	0.0
CROSBY	7,444	0	0.0	0	0.0	0	0.0	0	0.0
DALLAM	6,753	0	0.0	0	0.0	0	0.0	0	0.0
DEAF SMITH	19,583	0	0.0	0	0.0	0	0.0	0	0.0
DICKENS	2,748	0	0.0	0	0.0	0	0.0	0	0.0
DONLEY	3,845	0	0.0	0	0.0	0	0.0	0	0.0
FLOYD	8,178	0	0.0	0	0.0	0	0.0	0	0.0
GARZA	5,378	0	0.0	0	0.0	0	0.0	0	0.0
GRAY	22,495	0	0.0	0	0.0	0	0.0	0	0.0
HALE	37,314	0	0.0	3	8.0	0	0.0	0	0.0
HALL	3,911	0	0.0	0	0.0	0	0.0	0	0.0
HANSFORD	5,726	0	0.0	0	0.0	0	0.0	0	0.0
HARTLEY	5,700	0	0.0	0	0.0	0	0.0	0	0.0
HEMPHILL	3,666	0	0.0	0	0.0	0	0.0	0	0.0
HOCKLEY	23,551	0	0.0	0	0.0	0	0.0	0	0.0
HUTCHINSON	23,468	0	0.0	0	0.0	0	0.0	0	0.0
KING	368	0	0.0	0	0.0	0	0.0	0	0.0
LAMB	15,421	0	0.0	0	0.0	0	0.0	0	0.0
LIPSCOMB	3,137	0	0.0	0	0.0	0	0.0	0	0.0
LUBBOCK	258,622	0	0.0	0	0.0	0	0.0	0	0.0
LYNN	6,908	0	0.0	0	0.0	0	0.0	0	0.0
MOORE	21,085	0	0.0	0	0.0	0	0.0	0	0.0
MOTLEY	1,426	0	0.0	0	0.0	0	0.0	0	0.0
OCHILTREE	9,717	0	0.0	0	0.0	0	0.0	0	0.0
OLDHAM	2,332	0	0.0	0	0.0	0	0.0	0	0.0
PARMER	10,569	0	0.0	0	0.0	0	0.0	0	0.0
POTTER	121,008	3	2.5	0	0.0	0	0.0	0	0.0
RANDALL	118,267	1	0.8	0	0.0	0	0.0	0	0.0
ROBERTS	935	0	0.0	0	0.0	0	0.0	0	0.0
SHERMAN	3,338	0	0.0	0	0.0	0	0.0	0	0.0
SWISHER	8,730	0	0.0	0	0.0	0	0.0	0	0.0
TERRY	13,259	0	0.0	0	0.0	0	0.0	0	0.0
WHEELER	5,072	0	0.0	0	0.0	0	0.0	0	0.0
YOAKUM	7,985	0	0.0	0	0.0	0	0.0	0	0.0
REGIONAL TOTALS	829,821	4	0.5	3	0.4	0	0.0	0	0.0
STATEWIDE TOTALS	23,936,227	434	1.8	3	0.0	4	1.0	25	0.1

**HEALTH SERVICE REGION 1 - 2007
CASES AND RATES (CASES PER 100,000 POPULATION¹)**

COUNTY	2007 POP.	CAMPYLOBACTERIOSIS		CHICKENPOX (VARICELLA)		CHOLERA		CREUTZFELDT- JAKOB DISEASE	
		CASES	RATES	CASES	RATES	CASES	RATES	CASES	RATES
ARMSTRONG	2,239	0	0.0	1	44.7	0	0.0	0	0.0
BAILEY	7,092	5	70.5	5	70.5	0	0.0	0	0.0
BRISCOE	1,881	0	0.0	0	0.0	0	0.0	0	0.0
CARSON	6,621	0	0.0	1	15.1	0	0.0	0	0.0
CASTRO	8,829	2	22.7	1	11.3	0	0.0	0	0.0
CHILDRESS	7,915	6	75.8	0	0.0	0	0.0	0	0.0
COCHRAN	4,015	1	24.9	1	24.9	0	0.0	0	0.0
COLLINGSWORTH	3,290	1	30.4	2	60.8	0	0.0	0	0.0
CROSBY	7,444	1	13.4	0	0.0	0	0.0	0	0.0
DALLAM	6,753	2	29.6	1	14.8	0	0.0	0	0.0
DEAF SMITH	19,583	3	15.3	2	10.2	0	0.0	0	0.0
DICKENS	2,748	0	0.0	1	36.4	0	0.0	0	0.0
DONLEY	3,845	0	0.0	1	26.0	0	0.0	0	0.0
FLOYD	8,178	2	24.5	0	0.0	0	0.0	0	0.0
GARZA	5,378	2	37.2	1	18.6	0	0.0	0	0.0
GRAY	22,495	4	17.8	0	0.0	0	0.0	0	0.0
HALE	37,314	3	8.0	1	2.7	0	0.0	0	0.0
HALL	3,911	0	0.0	1	25.6	0	0.0	0	0.0
HANSFORD	5,726	0	0.0	1	17.5	0	0.0	0	0.0
HARTLEY	5,700	2	35.1	3	52.6	0	0.0	0	0.0
HEMPHILL	3,666	1	27.3	0	0.0	0	0.0	0	0.0
HOCKLEY	23,551	0	0.0	2	8.5	0	0.0	0	0.0
HUTCHINSON	23,468	2	8.5	1	4.3	0	0.0	0	0.0
KING	368	0	0.0	0	0.0	0	0.0	0	0.0
LAMB	15,421	3	19.5	1	6.5	0	0.0	0	0.0
LIPSCOMB	3,137	0	0.0	1	31.9	0	0.0	0	0.0
LUBBOCK	258,622	61	23.6	238	92.0	0	0.0	1	0.4
LYNN	6,908	0	0.0	1	14.5	0	0.0	0	0.0
MOORE	21,085	1	4.7	77	365.2	0	0.0	0	0.0
MOTLEY	1,426	0	0.0	0	0.0	0	0.0	0	0.0
OCHILTREE	9,717	1	10.3	9	92.6	0	0.0	0	0.0
OLDHAM	2,332	0	0.0	1	42.9	0	0.0	0	0.0
PARMER	10,569	1	9.5	0	0.0	0	0.0	0	0.0
POTTER	121,008	23	19.0	222	183.5	0	0.0	1	0.8
RANDALL	118,267	10	8.5	368	311.2	0	0.0	0	0.0
ROBERTS	935	0	0.0	0	0.0	0	0.0	0	0.0
SHERMAN	3,338	0	0.0	0	0.0	0	0.0	0	0.0
SWISHER	8,730	2	22.9	4	45.8	0	0.0	0	0.0
TERRY	13,259	0	0.0	0	0.0	0	0.0	0	0.0
WHEELER	5,072	0	0.0	0	0.0	0	0.0	0	0.0
YOAKUM	7,985	1	12.5	0	0.0	0	0.0	0	0.0
REGIONAL TOTALS	829,821	140	16.9	948	114.2	0	0.0	2	0.2
STATEWIDE TOTALS	23,936,227	1,690	7.1	10061	42.0	1	0.0	14	0.1

**HEALTH SERVICE REGION 1 - 2007
CASES AND RATES (CASES PER 100,000 POPULATION¹)**

COUNTY	2007 POP.	CRYPTOSPORIDIOSIS		CYCLOSPORIASIS		CYSTICERCOSIS		DENGUE FEVER	
		CASES	RATES	CASES	RATES	CASES	RATES	CASES	RATES
ARMSTRONG	2,239	0	0.0	0	0.0	0	0.0	0	0.0
BAILEY	7,092	5	70.5	0	0.0	0	0.0	0	0.0
BRISCOE	1,881	0	0.0	0	0.0	0	0.0	0	0.0
CARSON	6,621	0	0.0	0	0.0	0	0.0	0	0.0
CASTRO	8,829	0	0.0	0	0.0	0	0.0	0	0.0
CHILDRESS	7,915	0	0.0	0	0.0	0	0.0	0	0.0
COCHRAN	4,015	0	0.0	0	0.0	0	0.0	0	0.0
COLLINGSWORTH	3,290	0	0.0	0	0.0	0	0.0	0	0.0
CROSBY	7,444	0	0.0	0	0.0	0	0.0	0	0.0
DALLAM	6,753	2	29.6	0	0.0	0	0.0	0	0.0
DEAF SMITH	19,583	1	5.1	1	5.1	0	0.0	0	0.0
DICKENS	2,748	0	0.0	0	0.0	0	0.0	0	0.0
DONLEY	3,845	0	0.0	0	0.0	0	0.0	0	0.0
FLOYD	8,178	0	0.0	0	0.0	0	0.0	0	0.0
GARZA	5,378	0	0.0	0	0.0	0	0.0	0	0.0
GRAY	22,495	0	0.0	0	0.0	0	0.0	0	0.0
HALE	37,314	0	0.0	0	0.0	0	0.0	0	0.0
HALL	3,911	0	0.0	0	0.0	0	0.0	0	0.0
HANSFORD	5,726	0	0.0	0	0.0	0	0.0	0	0.0
HARTLEY	5,700	0	0.0	0	0.0	0	0.0	0	0.0
HEMPHILL	3,666	0	0.0	0	0.0	0	0.0	0	0.0
HOCKLEY	23,551	0	0.0	0	0.0	0	0.0	0	0.0
HUTCHINSON	23,468	0	0.0	0	0.0	0	0.0	0	0.0
KING	368	0	0.0	0	0.0	0	0.0	0	0.0
LAMB	15,421	0	0.0	0	0.0	0	0.0	0	0.0
LIPSCOMB	3,137	0	0.0	0	0.0	0	0.0	0	0.0
LUBBOCK	258,622	8	3.1	0	0.0	0	0.0	0	0.0
LYNN	6,908	0	0.0	0	0.0	0	0.0	0	0.0
MOORE	21,085	0	0.0	0	0.0	0	0.0	0	0.0
MOTLEY	1,426	0	0.0	0	0.0	0	0.0	0	0.0
OCHILTREE	9,717	0	0.0	0	0.0	0	0.0	0	0.0
OLDHAM	2,332	0	0.0	0	0.0	0	0.0	0	0.0
PARMER	10,569	2	18.9	0	0.0	0	0.0	0	0.0
POTTER	121,008	1	0.8	0	0.0	0	0.0	0	0.0
RANDALL	118,267	0	0.0	0	0.0	0	0.0	0	0.0
ROBERTS	935	0	0.0	0	0.0	0	0.0	0	0.0
SHERMAN	3,338	0	0.0	0	0.0	0	0.0	0	0.0
SWISHER	8,730	0	0.0	0	0.0	0	0.0	0	0.0
TERRY	13,259	0	0.0	0	0.0	0	0.0	0	0.0
WHEELER	5,072	0	0.0	0	0.0	0	0.0	0	0.0
YOAKUM	7,985	0	0.0	0	0.0	0	0.0	0	0.0

REGIONAL TOTALS	829,821	19	2.3	1	0.1	0	0.0	0	0.0
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STATEWIDE TOTALS	23,936,227	233	1.0	2	0.0	3	0.0	32	0.1
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**HEALTH SERVICE REGION 1 - 2007
CASES AND RATES (CASES PER 100,000 POPULATION¹)**

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
ARMSTRONG	2,239	0	0.0	0	0.0	0	0.0	0	0.0
BAILEY	7,092	0	0.0	0	0.0	0	0.0	0	0.0
BRISCOE	1,881	0	0.0	0	0.0	0	0.0	0	0.0
CARSON	6,621	0	0.0	0	0.0	0	0.0	0	0.0
CASTRO	8,829	0	0.0	0	0.0	0	0.0	0	0.0
CHILDRESS	7,915	0	0.0	0	0.0	0	0.0	0	0.0
COCHRAN	4,015	0	0.0	0	0.0	0	0.0	0	0.0
COLLINGSWORTH	3,290	0	0.0	0	0.0	0	0.0	0	0.0
CROSBY	7,444	0	0.0	0	0.0	0	0.0	0	0.0
DALLAM	6,753	0	0.0	0	0.0	0	0.0	0	0.0
DEAF SMITH	19,583	0	0.0	0	0.0	0	0.0	0	0.0
DICKENS	2,748	0	0.0	0	0.0	0	0.0	0	0.0
DONLEY	3,845	0	0.0	0	0.0	0	0.0	0	0.0
FLOYD	8,178	0	0.0	0	0.0	0	0.0	0	0.0
GARZA	5,378	0	0.0	0	0.0	0	0.0	0	0.0
GRAY	22,495	0	0.0	0	0.0	0	0.0	0	0.0
HALE	37,314	0	0.0	0	0.0	0	0.0	0	0.0
HALL	3,911	0	0.0	0	0.0	0	0.0	0	0.0
HANSFORD	5,726	0	0.0	0	0.0	0	0.0	0	0.0
HARTLEY	5,700	0	0.0	0	0.0	0	0.0	0	0.0
HEMPHILL	3,666	0	0.0	0	0.0	0	0.0	0	0.0
HOCKLEY	23,551	0	0.0	0	0.0	0	0.0	0	0.0
HUTCHINSON	23,468	0	0.0	0	0.0	0	0.0	0	0.0
KING	368	0	0.0	0	0.0	0	0.0	0	0.0
LAMB	15,421	0	0.0	0	0.0	0	0.0	0	0.0
LIPSCOMB	3,137	0	0.0	0	0.0	0	0.0	0	0.0
LUBBOCK	258,622	0	0.0	1	0.4	0	0.0	0	0.0
LYNN	6,908	0	0.0	0	0.0	0	0.0	0	0.0
MOORE	21,085	0	0.0	0	0.0	0	0.0	0	0.0
MOTLEY	1,426	0	0.0	0	0.0	0	0.0	0	0.0
OCHILTREE	9,717	0	0.0	0	0.0	0	0.0	0	0.0
OLDHAM	2,332	0	0.0	0	0.0	0	0.0	0	0.0
PARMER	10,569	0	0.0	0	0.0	0	0.0	0	0.0
POTTER	121,008	0	0.0	0	0.0	1	0.8	0	0.0
RANDALL	118,267	0	0.0	0	0.0	1	0.8	0	0.0
ROBERTS	935	0	0.0	0	0.0	0	0.0	0	0.0
SHERMAN	3,338	0	0.0	0	0.0	0	0.0	0	0.0
SWISHER	8,730	0	0.0	0	0.0	0	0.0	0	0.0
TERRY	13,259	0	0.0	0	0.0	0	0.0	0	0.0
WHEELER	5,072	0	0.0	0	0.0	1	19.7	0	0.0
YOAKUM	7,985	0	0.0	0	0.0	1	12.5	0	0.0
REGIONAL TOTALS	829,821	0	0.0	1	0.1	4	0.5	0	0.0
STATEWIDE TOTALS	23,936,227	32	0.1	11	0.0	210	0.9	14	0.1

**HEALTH SERVICE REGION 1 - 2007
CASES AND RATES (CASES PER 100,000 POPULATION¹)**

COUNTY	2007 POP.	HANTAVIRUS PULMONARY SYNDROME		HEMOLYTIC UREMIC SYNDROME		HEPATITIS A, ACUTE		HEPATITIS B, ACUTE	
		CASES	RATES	CASES	RATES	CASES	RATES	CASES	RATES
ARMSTRONG	2,239	0	0.0	0	0.0	0	0.0	0	0.0
BAILEY	7,092	0	0.0	0	0.0	1	14.1	0	0.0
BRISCOE	1,881	0	0.0	0	0.0	0	0.0	0	0.0
CARSON	6,621	0	0.0	0	0.0	0	0.0	0	0.0
CASTRO	8,829	0	0.0	0	0.0	0	0.0	0	0.0
CHILDRESS	7,915	0	0.0	0	0.0	0	0.0	0	0.0
COCHRAN	4,015	0	0.0	0	0.0	0	0.0	0	0.0
COLLINGSWORTH	3,290	0	0.0	0	0.0	0	0.0	0	0.0
CROSBY	7,444	1	13.4	0	0.0	0	0.0	0	0.0
DALLAM	6,753	0	0.0	0	0.0	0	0.0	1	14.8
DEAF SMITH	19,583	0	0.0	0	0.0	0	0.0	1	5.1
DICKENS	2,748	0	0.0	0	0.0	0	0.0	0	0.0
DONLEY	3,845	0	0.0	0	0.0	0	0.0	0	0.0
FLOYD	8,178	0	0.0	0	0.0	0	0.0	0	0.0
GARZA	5,378	0	0.0	0	0.0	0	0.0	0	0.0
GRAY	22,495	0	0.0	0	0.0	0	0.0	0	0.0
HALE	37,314	0	0.0	0	0.0	0	0.0	0	0.0
HALL	3,911	0	0.0	0	0.0	0	0.0	0	0.0
HANSFORD	5,726	0	0.0	0	0.0	0	0.0	0	0.0
HARTLEY	5,700	0	0.0	0	0.0	0	0.0	0	0.0
HEMPHILL	3,666	0	0.0	0	0.0	0	0.0	0	0.0
HOCKLEY	23,551	0	0.0	0	0.0	0	0.0	1	4.2
HUTCHINSON	23,468	0	0.0	0	0.0	0	0.0	1	4.3
KING	368	0	0.0	0	0.0	0	0.0	0	0.0
LAMB	15,421	0	0.0	0	0.0	1	6.5	1	6.5
LIPSCOMB	3,137	0	0.0	0	0.0	0	0.0	0	0.0
LUBBOCK	258,622	0	0.0	1	0.4	2	0.8	6	2.3
LYNN	6,908	0	0.0	0	0.0	0	0.0	0	0.0
MOORE	21,085	0	0.0	0	0.0	0	0.0	0	0.0
MOTLEY	1,426	0	0.0	0	0.0	0	0.0	0	0.0
OCHILTREE	9,717	0	0.0	0	0.0	0	0.0	0	0.0
OLDHAM	2,332	0	0.0	0	0.0	0	0.0	0	0.0
PARMER	10,569	0	0.0	0	0.0	0	0.0	1	9.5
POTTER	121,008	0	0.0	0	0.0	0	0.0	1	0.8
RANDALL	118,267	0	0.0	0	0.0	0	0.0	0	0.0
ROBERTS	935	0	0.0	0	0.0	0	0.0	0	0.0
SHERMAN	3,338	0	0.0	0	0.0	0	0.0	0	0.0
SWISHER	8,730	0	0.0	0	0.0	0	0.0	0	0.0
TERRY	13,259	0	0.0	0	0.0	0	0.0	0	0.0
WHEELER	5,072	0	0.0	0	0.0	0	0.0	0	0.0
YOAKUM	7,985	0	0.0	0	0.0	0	0.0	0	0.0
REGIONAL TOTALS	829,821	1	0.1	1	0.1	4	0.5	13	1.6
STATEWIDE TOTALS	23,936,227	1,690	7.1	10061	42.0	1	0.0	14	0.1

**HEALTH SERVICE REGION 1 - 2007
CASES AND RATES (CASES PER 100,000 POPULATION¹)**

COUNTY	2007 POP.	HEPATITIS B, PERINATAL ³		HEPATITIS C, ACUTE		HEPATITIS D, ACUTE		INFLUENZA-ASSOC PEDIATRIC MORTALITY ⁴	
		CASES	RATES	CASES	RATES	CASES	RATES	CASES	RATES
ARMSTRONG	2,239	0	0.0	0	0	0	0.0	0	0.0
BAILEY	7,092	0	0.0	0	0	0	0.0	0	0.0
BRISCOE	1,881	0	0.0	0	0	0	0.0	0	0.0
CARSON	6,621	0	0.0	0	0	0	0.0	0	0.0
CASTRO	8,829	0	0.0	0	0	0	0.0	0	0.0
CHILDRESS	7,915	0	0.0	0	0	0	0.0	0	0.0
COCHRAN	4,015	0	0.0	0	0	0	0.0	0	0.0
COLLINGSWORTH	3,290	0	0.0	0	0	0	0.0	0	0.0
CROSBY	7,444	0	0.0	0	0	0	0.0	0	0.0
DALLAM	6,753	0	0.0	0	0	0	0.0	0	0.0
DEAF SMITH	19,583	0	0.0	0	0	0	0.0	0	0.0
DICKENS	2,748	0	0.0	0	0	0	0.0	0	0.0
DONLEY	3,845	0	0.0	0	0	0	0.0	0	0.0
FLOYD	8,178	0	0.0	0	0	0	0.0	0	0.0
GARZA	5,378	0	0.0	0	0	0	0.0	0	0.0
GRAY	22,495	0	0.0	0	0	0	0.0	0	0.0
HALE	37,314	0	0.0	0	0	0	0.0	0	0.0
HALL	3,911	0	0.0	0	0	0	0.0	0	0.0
HANSFORD	5,726	0	0.0	0	0	0	0.0	0	0.0
HARTLEY	5,700	0	0.0	0	0	0	0.0	0	0.0
HEMPHILL	3,666	0	0.0	0	0	0	0.0	0	0.0
HOCKLEY	23,551	0	0.0	3	0	0	0.0	0	0.0
HUTCHINSON	23,468	0	0.0	0	0	0	0.0	0	0.0
KING	368	0	0.0	0	0	0	0.0	0	0.0
LAMB	15,421	0	0.0	0	0	0	0.0	0	0.0
LIPSCOMB	3,137	0	0.0	0	0	0	0.0	0	0.0
LUBBOCK	258,622	0	0.0	7	0	0	0.0	0	0.0
LYNN	6,908	0	0.0	0	0	0	0.0	0	0.0
MOORE	21,085	0	0.0	1	0	0	0.0	0	0.0
MOTLEY	1,426	0	0.0	0	0	0	0.0	0	0.0
OCHILTREE	9,717	0	0.0	0	0	0	0.0	0	0.0
OLDHAM	2,332	0	0.0	0	0	0	0.0	0	0.0
PARMER	10,569	0	0.0	0	0	0	0.0	0	0.0
POTTER	121,008	0	0.0	0	0	0	0.0	0	0.0
RANDALL	118,267	0	0.0	0	0	0	0.0	0	0.0
ROBERTS	935	0	0.0	0	0	0	0.0	0	0.0
SHERMAN	3,338	0	0.0	0	0	0	0.0	0	0.0
SWISHER	8,730	0	0.0	0	0	0	0.0	0	0.0
TERRY	13,259	0	0.0	0	0	0	0.0	0	0.0
WHEELER	5,072	0	0.0	0	0	0	0.0	0	0.0
YOAKUM	7,985	0	0.0	0	0	0	0.0	0	0.0
REGIONAL TOTALS	829,821	0	0.0	11	1.3	0	0.0	0	0.0
STATEWIDE TOTALS	23,936,227	3	0.4	67	0.3	2	0.0	13	0.2

**HEALTH SERVICE REGION 1 - 2007
CASES AND RATES (CASES PER 100,000 POPULATION¹)**

COUNTY	2007 POP.	LEGIONELLOSIS		LEISHMANIASIS		LISTERIOSIS		LYME DISEASE	
		CASES	RATES	CASES	RATES	CASES	RATES	CASES	RATES
ARMSTRONG	2,239	0	0.0	0	0.0	0	0.0	0	0.0
BAILEY	7,092	0	0.0	0	0.0	0	0.0	0	0.0
BRISCOE	1,881	0	0.0	0	0.0	0	0.0	0	0.0
CARSON	6,621	0	0.0	0	0.0	0	0.0	0	0.0
CASTRO	8,829	0	0.0	0	0.0	0	0.0	0	0.0
CHILDRESS	7,915	0	0.0	0	0.0	0	0.0	0	0.0
COCHRAN	4,015	0	0.0	0	0.0	0	0.0	0	0.0
COLLINGSWORTH	3,290	0	0.0	0	0.0	0	0.0	0	0.0
CROSBY	7,444	0	0.0	0	0.0	0	0.0	0	0.0
DALLAM	6,753	0	0.0	0	0.0	0	0.0	0	0.0
DEAF SMITH	19,583	0	0.0	0	0.0	0	0.0	0	0.0
DICKENS	2,748	0	0.0	0	0.0	0	0.0	0	0.0
DONLEY	3,845	0	0.0	0	0.0	0	0.0	0	0.0
FLOYD	8,178	0	0.0	0	0.0	0	0.0	0	0.0
GARZA	5,378	0	0.0	0	0.0	0	0.0	0	0.0
GRAY	22,495	0	0.0	0	0.0	0	0.0	0	0.0
HALE	37,314	1	2.7	0	0.0	0	0.0	0	0.0
HALL	3,911	0	0.0	0	0.0	0	0.0	0	0.0
HANSFORD	5,726	0	0.0	0	0.0	0	0.0	0	0.0
HARTLEY	5,700	0	0.0	0	0.0	0	0.0	0	0.0
HEMPHILL	3,666	0	0.0	0	0.0	0	0.0	0	0.0
HOCKLEY	23,551	0	0.0	0	0.0	0	0.0	0	0.0
HUTCHINSON	23,468	0	0.0	0	0.0	0	0.0	0	0.0
KING	368	0	0.0	0	0.0	0	0.0	0	0.0
LAMB	15,421	0	0.0	0	0.0	0	0.0	0	0.0
LIPSCOMB	3,137	0	0.0	0	0.0	0	0.0	0	0.0
LUBBOCK	258,622	0	0.0	0	0.0	0	0.0	2	0.8
LYNN	6,908	0	0.0	0	0.0	0	0.0	0	0.0
MOORE	21,085	0	0.0	0	0.0	0	0.0	0	0.0
MOTLEY	1,426	0	0.0	0	0.0	0	0.0	0	0.0
OCHILTREE	9,717	0	0.0	0	0.0	0	0.0	0	0.0
OLDHAM	2,332	0	0.0	0	0.0	0	0.0	0	0.0
PARMER	10,569	0	0.0	0	0.0	0	0.0	0	0.0
POTTER	121,008	1	0.8	0	0.0	0	0.0	1	0.8
RANDALL	118,267	0	0.0	0	0.0	0	0.0	2	1.7
ROBERTS	935	0	0.0	0	0.0	0	0.0	0	0.0
SHERMAN	3,338	0	0.0	0	0.0	0	0.0	0	0.0
SWISHER	8,730	0	0.0	0	0.0	0	0.0	1	11.5
TERRY	13,259	0	0.0	0	0.0	0	0.0	0	0.0
WHEELER	5,072	0	0.0	0	0.0	0	0.0	0	0.0
YOAKUM	7,985	0	0.0	0	0.0	0	0.0	0	0.0
REGIONAL TOTALS	829,821	2	0.2	0	0.0	0	0.0	6	0.7
STATEWIDE TOTALS	23,936,227	121	0.5	9	0.0	64	0.3	87	0.4

**HEALTH SERVICE REGION 1 - 2007
CASES AND RATES (CASES PER 100,000 POPULATION¹)**

COUNTY	2007 POP.	MALARIA		MEASLES		MENINGITIS, ASEPTIC		MENINGITIS, BACTERIAL	
		CASES	RATES	CASES	RATES	CASES	RATES	CASES	RATES
ARMSTRONG	2,239	0	0.0	0	0.0	0	0.0	0	0.0
BAILEY	7,092	0	0.0	0	0.0	0	0.0	0	0.0
BRISCOE	1,881	0	0.0	0	0.0	0	0.0	0	0.0
CARSON	6,621	0	0.0	0	0.0	0	0.0	1	15.1
CASTRO	8,829	0	0.0	0	0.0	0	0.0	1	11.3
CHILDRESS	7,915	0	0.0	0	0.0	0	0.0	0	0.0
COCHRAN	4,015	0	0.0	0	0.0	0	0.0	1	24.9
COLLINGSWORTH	3,290	0	0.0	0	0.0	0	0.0	0	0.0
CROSBY	7,444	0	0.0	0	0.0	1	13.4	0	0.0
DALLAM	6,753	0	0.0	0	0.0	0	0.0	0	0.0
DEAF SMITH	19,583	0	0.0	0	0.0	1	5.1	0	0.0
DICKENS	2,748	0	0.0	0	0.0	0	0.0	0	0.0
DONLEY	3,845	0	0.0	0	0.0	0	0.0	0	0.0
FLOYD	8,178	0	0.0	0	0.0	0	0.0	0	0.0
GARZA	5,378	0	0.0	0	0.0	0	0.0	0	0.0
GRAY	22,495	0	0.0	0	0.0	0	0.0	0	0.0
HALE	37,314	0	0.0	0	0.0	0	0.0	0	0.0
HALL	3,911	0	0.0	0	0.0	0	0.0	0	0.0
HANSFORD	5,726	0	0.0	0	0.0	1	17.5	0	0.0
HARTLEY	5,700	0	0.0	0	0.0	0	0.0	0	0.0
HEMPHILL	3,666	0	0.0	0	0.0	0	0.0	0	0.0
HOCKLEY	23,551	0	0.0	0	0.0	0	0.0	2	8.5
HUTCHINSON	23,468	0	0.0	0	0.0	4	17.0	0	0.0
KING	368	0	0.0	0	0.0	0	0.0	0	0.0
LAMB	15,421	0	0.0	0	0.0	2	13.0	0	0.0
LIPSCOMB	3,137	0	0.0	0	0.0	0	0.0	0	0.0
LUBBOCK	258,622	1	0.4	0	0.0	33	12.8	7	2.7
LYNN	6,908	0	0.0	0	0.0	1	14.5	0	0.0
MOORE	21,085	0	0.0	0	0.0	1	4.7	0	0.0
MOTLEY	1,426	0	0.0	0	0.0	0	0.0	0	0.0
OCHILTREE	9,717	0	0.0	0	0.0	1	10.3	0	0.0
OLDHAM	2,332	0	0.0	0	0.0	0	0.0	0	0.0
PARMER	10,569	0	0.0	0	0.0	1	9.5	0	0.0
POTTER	121,008	1	0.8	0	0.0	9	7.4	2	1.7
RANDALL	118,267	0	0.0	0	0.0	4	3.4	1	0.8
ROBERTS	935	0	0.0	0	0.0	0	0.0	0	0.0
SHERMAN	3,338	0	0.0	0	0.0	0	0.0	0	0.0
SWISHER	8,730	0	0.0	0	0.0	0	0.0	0	0.0
TERRY	13,259	0	0.0	0	0.0	0	0.0	0	0.0
WHEELER	5,072	0	0.0	0	0.0	0	0.0	0	0.0
YOAKUM	7,985	0	0.0	0	0.0	0	0.0	0	0.0
REGIONAL TOTALS	829,821	2	0.2	0	0.0	59	7.1	15	1.8
STATEWIDE TOTALS	23,936,227	130	0.5	7	0.0	2,126	8.9	385	1.6

**HEALTH SERVICE REGION 1 - 2007
CASES AND RATES (CASES PER 100,000 POPULATION¹)**

COUNTY	2007 POP.	MENINGITIS, OTHER		MENINGOCOCCAL INFECTION		MUMPS		PERTUSSIS	
		CASES	RATES	CASES	RATES	CASES	RATES	CASES	RATES
ARMSTRONG	2,239	0	0.0	0	0.0	0	0.0	0	0.0
BAILEY	7,092	0	0.0	0	0.0	0	0.0	0	0.0
BRISCOE	1,881	0	0.0	0	0.0	0	0.0	0	0.0
CARSON	6,621	0	0.0	0	0.0	0	0.0	1	15.1
CASTRO	8,829	0	0.0	0	0.0	0	0.0	0	0.0
CHILDRESS	7,915	0	0.0	0	0.0	0	0.0	0	0.0
COCHRAN	4,015	0	0.0	0	0.0	0	0.0	0	0.0
COLLINGSWORTH	3,290	0	0.0	0	0.0	0	0.0	0	0.0
CROSBY	7,444	0	0.0	0	0.0	0	0.0	0	0.0
DALLAM	6,753	0	0.0	0	0.0	0	0.0	0	0.0
DEAF SMITH	19,583	0	0.0	0	0.0	0	0.0	6	30.6
DICKENS	2,748	0	0.0	0	0.0	0	0.0	0	0.0
DONLEY	3,845	0	0.0	0	0.0	0	0.0	0	0.0
FLOYD	8,178	0	0.0	0	0.0	0	0.0	0	0.0
GARZA	5,378	0	0.0	0	0.0	0	0.0	0	0.0
GRAY	22,495	0	0.0	0	0.0	0	0.0	12	53.3
HALE	37,314	0	0.0	0	0.0	0	0.0	1	2.7
HALL	3,911	0	0.0	0	0.0	0	0.0	0	0.0
HANSFORD	5,726	0	0.0	0	0.0	0	0.0	0	0.0
HARTLEY	5,700	0	0.0	0	0.0	0	0.0	0	0.0
HEMPHILL	3,666	0	0.0	0	0.0	0	0.0	0	0.0
HOCKLEY	23,551	0	0.0	0	0.0	0	0.0	1	4.2
HUTCHINSON	23,468	0	0.0	0	0.0	1	4.3	1	4.3
KING	368	0	0.0	0	0.0	0	0.0	0	0.0
LAMB	15,421	0	0.0	0	0.0	0	0.0	1	6.5
LIPSCOMB	3,137	0	0.0	0	0.0	0	0.0	0	0.0
LUBBOCK	258,622	1	0.4	0	0.0	0	0.0	5	1.9
LYNN	6,908	0	0.0	0	0.0	0	0.0	0	0.0
MOORE	21,085	0	0.0	0	0.0	0	0.0	1	4.7
MOTLEY	1,426	0	0.0	0	0.0	0	0.0	0	0.0
OCHILTREE	9,717	0	0.0	0	0.0	0	0.0	1	10.3
OLDHAM	2,332	0	0.0	0	0.0	0	0.0	0	0.0
PARMER	10,569	0	0.0	0	0.0	0	0.0	0	0.0
POTTER	121,008	0	0.0	0	0.0	1	0.8	6	5.0
RANDALL	118,267	0	0.0	0	0.0	0	0.0	7	5.9
ROBERTS	935	0	0.0	0	0.0	0	0.0	0	0.0
SHERMAN	3,338	0	0.0	0	0.0	0	0.0	1	30.0
SWISHER	8,730	0	0.0	0	0.0	0	0.0	0	0.0
TERRY	13,259	0	0.0	0	0.0	0	0.0	0	0.0
WHEELER	5,072	0	0.0	0	0.0	0	0.0	0	0.0
YOAKUM	7,985	0	0.0	0	0.0	0	0.0	0	0.0
REGIONAL TOTALS	829,821	1	0.1	0	0.0	2	0.2	44	5.3
STATEWIDE TOTALS	23,936,227	101	0.4	55	0.2	21	0.1	1,051	4.4

**HEALTH SERVICE REGION 1 - 2007
CASES AND RATES (CASES PER 100,000 POPULATION¹)**

COUNTY	2007 POP.	PRIMARY AMOEBIC MENINGOENCEPHALITIS		Q FEVER		SALMONELLOSIS		SHIGELLOSIS	
		CASES	RATES	CASES	RATES	CASES	RATES	CASES	RATES
ARMSTRONG	2,239	0	0.0	0	0.0	0	0.0	0	0.0
BAILEY	7,092	0	0.0	0	0.0	0	0.0	0	0.0
BRISCOE	1,881	0	0.0	0	0.0	0	0.0	0	0.0
CARSON	6,621	0	0.0	0	0.0	0	0.0	1	15.1
CASTRO	8,829	0	0.0	0	0.0	3	34.0	0	0.0
CHILDRESS	7,915	0	0.0	0	0.0	0	0.0	0	0.0
COCHRAN	4,015	0	0.0	0	0.0	0	0.0	0	0.0
COLLINGSWORTH	3,290	0	0.0	0	0.0	1	30.4	0	0.0
CROSBY	7,444	0	0.0	0	0.0	1	13.4	0	0.0
DALLAM	6,753	0	0.0	0	0.0	0	0.0	1	14.8
DEAF SMITH	19,583	0	0.0	0	0.0	3	15.3	0	0.0
DICKENS	2,748	0	0.0	0	0.0	0	0.0	1	36.4
DONLEY	3,845	0	0.0	0	0.0	0	0.0	0	0.0
FLOYD	8,178	0	0.0	1	12.2	4	48.9	0	0.0
GARZA	5,378	0	0.0	0	0.0	1	18.6	1	18.6
GRAY	22,495	0	0.0	0	0.0	3	13.3	1	4.4
HALE	37,314	0	0.0	0	0.0	0	0.0	1	2.7
HALL	3,911	0	0.0	0	0.0	1	25.6	0	0.0
HANSFORD	5,726	0	0.0	0	0.0	2	34.9	0	0.0
HARTLEY	5,700	0	0.0	0	0.0	0	0.0	0	0.0
HEMPHILL	3,666	0	0.0	0	0.0	0	0.0	0	0.0
HOCKLEY	23,551	0	0.0	0	0.0	4	17.0	1	4.2
HUTCHINSON	23,468	0	0.0	0	0.0	2	8.5	1	4.3
KING	368	0	0.0	0	0.0	0	0.0	0	0.0
LAMB	15,421	0	0.0	0	0.0	3	19.5	0	0.0
LIPSCOMB	3,137	0	0.0	0	0.0	0	0.0	0	0.0
LUBBOCK	258,622	1	0.4	0	0.0	36	13.9	15	5.8
LYNN	6,908	0	0.0	0	0.0	0	0.0	0	0.0
MOORE	21,085	0	0.0	0	0.0	2	9.5	0	0.0
MOTLEY	1,426	0	0.0	0	0.0	1	70.1	0	0.0
OCHILTREE	9,717	0	0.0	0	0.0	0	0.0	0	0.0
OLDHAM	2,332	0	0.0	0	0.0	0	0.0	0	0.0
PARMER	10,569	0	0.0	0	0.0	2	18.9	1	9.5
POTTER	121,008	0	0.0	0	0.0	15	12.4	6	5.0
RANDALL	118,267	0	0.0	0	0.0	7	5.9	1	0.8
ROBERTS	935	0	0.0	0	0.0	0	0.0	0	0.0
SHERMAN	3,338	0	0.0	0	0.0	0	0.0	0	0.0
SWISHER	8,730	0	0.0	0	0.0	0	0.0	0	0.0
TERRY	13,259	0	0.0	0	0.0	0	0.0	0	0.0
WHEELER	5,072	0	0.0	0	0.0	3	59.1	0	0.0
YOAKUM	7,985	0	0.0	0	0.0	0	0.0	0	0.0
REGIONAL TOTALS	829,821	1	0.1	1	0.1	94	11.3	31	3.7
STATEWIDE TOTALS	23,936,227	2	0.0	11	0.0	3,534	14.8	2,358	9.9

**HEALTH SERVICE REGION 1 - 2007
CASES AND RATES (CASES PER 100,000 POPULATION¹)**

COUNTY	2007 POP.	SPOTTED FEVER GP RICKETTSIOSSES		STREPTOCOCCUS, GROUP A		STREPTOCOCCUS, GROUP B		STREPTOCOCCUS PNEUMONIAE	
		CASES	RATES	CASES	RATES	CASES	RATES	CASES	RATES
ARMSTRONG	2,239	0	0.0	0	0.0	0	0.0	1	44.7
BAILEY	7,092	0	0.0	1	14.1	0	0.0	0	0.0
BRISCOE	1,881	0	0.0	0	0.0	0	0.0	0	0.0
CARSON	6,621	0	0.0	1	15.1	1	15.1	0	0.0
CASTRO	8,829	0	0.0	1	11.3	0	0.0	1	11.3
CHILDRESS	7,915	1	12.6	1	12.6	0	0.0	1	12.6
COCHRAN	4,015	0	0.0	0	0.0	0	0.0	0	0.0
COLLINGSWORTH	3,290	0	0.0	0	0.0	0	0.0	1	30.4
CROSBY	7,444	0	0.0	1	13.4	0	0.0	0	0.0
DALLAM	6,753	0	0.0	0	0.0	0	0.0	1	14.8
DEAF SMITH	19,583	0	0.0	0	0.0	0	0.0	0	0.0
DICKENS	2,748	0	0.0	0	0.0	0	0.0	1	36.4
DONLEY	3,845	0	0.0	0	0.0	0	0.0	2	52.0
FLOYD	8,178	0	0.0	0	0.0	1	12.2	1	12.2
GARZA	5,378	0	0.0	0	0.0	1	18.6	2	37.2
GRAY	22,495	0	0.0	0	0.0	1	4.4	5	22.2
HALE	37,314	0	0.0	0	0.0	0	0.0	0	0.0
HALL	3,911	0	0.0	1	25.6	0	0.0	0	0.0
HANSFORD	5,726	0	0.0	0	0.0	0	0.0	1	17.5
HARTLEY	5,700	0	0.0	0	0.0	0	0.0	0	0.0
HEMPHILL	3,666	0	0.0	0	0.0	0	0.0	0	0.0
HOCKLEY	23,551	0	0.0	0	0.0	0	0.0	2	8.5
HUTCHINSON	23,468	0	0.0	1	4.3	0	0.0	1	4.3
KING	368	0	0.0	0	0.0	0	0.0	0	0.0
LAMB	15,421	0	0.0	0	0.0	1	6.5	0	0.0
LIPSCOMB	3,137	0	0.0	0	0.0	0	0.0	0	0.0
LUBBOCK	258,622	0	0.0	7	2.7	19	7.3	45	17.4
LYNN	6,908	0	0.0	0	0.0	0	0.0	4	57.9
MOORE	21,085	0	0.0	0	0.0	1	4.7	1	4.7
MOTLEY	1,426	0	0.0	0	0.0	0	0.0	0	0.0
OCHILTREE	9,717	0	0.0	0	0.0	0	0.0	1	10.3
OLDHAM	2,332	0	0.0	0	0.0	0	0.0	0	0.0
PARMER	10,569	0	0.0	0	0.0	0	0.0	1	9.5
POTTER	121,008	0	0.0	3	2.5	4	3.3	22	18.2
RANDALL	118,267	0	0.0	2	1.7	1	0.8	7	5.9
ROBERTS	935	0	0.0	0	0.0	1	107.0	0	0.0
SHERMAN	3,338	0	0.0	0	0.0	0	0.0	0	0.0
SWISHER	8,730	0	0.0	0	0.0	0	0.0	1	11.5
TERRY	13,259	0	0.0	0	0.0	0	0.0	0	0.0
WHEELER	5,072	0	0.0	0	0.0	0	0.0	1	19.7
YOAKUM	7,985	0	0.0	0	0.0	0	0.0	0	0.0
REGIONAL TOTALS	829,821	1	0.1	19	2.3	31	3.7	103	12.4
STATEWIDE TOTALS	23,936,227	49	0.2	281	1.2	433	1.8	1,417	5.9

**HEALTH SERVICE REGION 1 - 2007
CASES AND RATES (CASES PER 100,000 POPULATION¹)**

COUNTY	2007 POP.	TULAREMIA		TYPHOID FEVER		TYPHUS, MURINE	
		CASES	RATES	CASES	RATES	CASES	RATES
ARMSTRONG	2,239	0	0.0	0	0.0	0	0.0
BAILEY	7,092	0	0.0	0	0.0	0	0.0
BRISCOE	1,881	0	0.0	0	0.0	0	0.0
CARSON	6,621	0	0.0	0	0.0	0	0.0
CASTRO	8,829	0	0.0	0	0.0	0	0.0
CHILDRESS	7,915	0	0.0	0	0.0	0	0.0
COCHRAN	4,015	0	0.0	0	0.0	0	0.0
COLLINGSWORTH	3,290	0	0.0	0	0.0	0	0.0
CROSBY	7,444	0	0.0	0	0.0	0	0.0
DALLAM	6,753	0	0.0	0	0.0	0	0.0
DEAF SMITH	19,583	0	0.0	0	0.0	0	0.0
DICKENS	2,748	0	0.0	0	0.0	0	0.0
DONLEY	3,845	0	0.0	0	0.0	0	0.0
FLOYD	8,178	0	0.0	0	0.0	0	0.0
GARZA	5,378	0	0.0	0	0.0	0	0.0
GRAY	22,495	0	0.0	0	0.0	0	0.0
HALE	37,314	0	0.0	0	0.0	0	0.0
HALL	3,911	0	0.0	0	0.0	0	0.0
HANSFORD	5,726	0	0.0	0	0.0	0	0.0
HARTLEY	5,700	0	0.0	0	0.0	0	0.0
HEMPHILL	3,666	0	0.0	0	0.0	0	0.0
HOCKLEY	23,551	0	0.0	0	0.0	0	0.0
HUTCHINSON	23,468	0	0.0	0	0.0	0	0.0
KING	368	0	0.0	0	0.0	0	0.0
LAMB	15,421	0	0.0	0	0.0	0	0.0
LIPSCOMB	3,137	0	0.0	0	0.0	0	0.0
LUBBOCK	258,622	0	0.0	0	0.0	0	0.0
LYNN	6,908	0	0.0	0	0.0	0	0.0
MOORE	21,085	0	0.0	0	0.0	0	0.0
MOTLEY	1,426	0	0.0	0	0.0	0	0.0
OCHILTREE	9,717	0	0.0	0	0.0	0	0.0
OLDHAM	2,332	0	0.0	0	0.0	0	0.0
PARMER	10,569	0	0.0	0	0.0	0	0.0
POTTER	121,008	0	0.0	0	0.0	0	0.0
RANDALL	118,267	0	0.0	0	0.0	0	0.0
ROBERTS	935	0	0.0	0	0.0	0	0.0
SHERMAN	3,338	0	0.0	0	0.0	0	0.0
SWISHER	8,730	0	0.0	0	0.0	0	0.0
TERRY	13,259	0	0.0	0	0.0	0	0.0
WHEELER	5,072	0	0.0	0	0.0	0	0.0
YOAKUM	7,985	0	0.0	0	0.0	0	0.0

REGIONAL TOTALS	829,821	0	0.0	0	0.0	0	0.0
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STATEWIDE TOTALS	23,936,227	1	0.0	22	0.1	169	0.7
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**HEALTH SERVICE REGION 1 - 2007
CASES AND RATES (CASES PER 100,000 POPULATION¹)**

COUNTY	2007 POP.	VIBRIO PARAHAEMOLYTICUS		VIBRIO VULNIFICUS		VIBRIO OTHER/UNSPECIFIED		VISA	
		CASES	RATES	CASES	RATES	CASES	RATES	CASES	RATES
ARMSTRONG	2,239	0	0.0	0	0.0	0	0.0	0	0.0
BAILEY	7,092	0	0.0	0	0.0	0	0.0	0	0.0
BRISCOE	1,881	0	0.0	0	0.0	0	0.0	0	0.0
CARSON	6,621	0	0.0	0	0.0	0	0.0	0	0.0
CASTRO	8,829	0	0.0	0	0.0	0	0.0	0	0.0
CHILDRESS	7,915	0	0.0	0	0.0	0	0.0	0	0.0
COCHRAN	4,015	0	0.0	0	0.0	0	0.0	0	0.0
COLLINGSWORTH	3,290	0	0.0	0	0.0	0	0.0	0	0.0
CROSBY	7,444	0	0.0	0	0.0	0	0.0	0	0.0
DALLAM	6,753	0	0.0	0	0.0	0	0.0	0	0.0
DEAF SMITH	19,583	0	0.0	0	0.0	0	0.0	0	0.0
DICKENS	2,748	0	0.0	0	0.0	0	0.0	0	0.0
DONLEY	3,845	0	0.0	0	0.0	0	0.0	0	0.0
FLOYD	8,178	0	0.0	0	0.0	0	0.0	0	0.0
GARZA	5,378	0	0.0	0	0.0	0	0.0	0	0.0
GRAY	22,495	0	0.0	0	0.0	0	0.0	0	0.0
HALE	37,314	0	0.0	0	0.0	0	0.0	0	0.0
HALL	3,911	0	0.0	0	0.0	0	0.0	0	0.0
HANSFORD	5,726	0	0.0	0	0.0	0	0.0	0	0.0
HARTLEY	5,700	0	0.0	0	0.0	0	0.0	0	0.0
HEMPHILL	3,666	0	0.0	0	0.0	0	0.0	0	0.0
HOCKLEY	23,551	0	0.0	0	0.0	0	0.0	0	0.0
HUTCHINSON	23,468	0	0.0	0	0.0	0	0.0	0	0.0
KING	368	0	0.0	0	0.0	0	0.0	0	0.0
LAMB	15,421	0	0.0	0	0.0	0	0.0	0	0.0
LIPSCOMB	3,137	0	0.0	0	0.0	0	0.0	0	0.0
LUBBOCK	258,622	0	0.0	0	0.0	0	0.0	0	0.0
LYNN	6,908	0	0.0	0	0.0	0	0.0	0	0.0
MOORE	21,085	0	0.0	0	0.0	0	0.0	0	0.0
MOTLEY	1,426	0	0.0	0	0.0	0	0.0	0	0.0
OCHILTREE	9,717	0	0.0	0	0.0	0	0.0	0	0.0
OLDHAM	2,332	0	0.0	0	0.0	0	0.0	0	0.0
PARMER	10,569	0	0.0	0	0.0	0	0.0	0	0.0
POTTER	121,008	0	0.0	0	0.0	0	0.0	0	0.0
RANDALL	118,267	0	0.0	0	0.0	0	0.0	0	0.0
ROBERTS	935	0	0.0	0	0.0	0	0.0	0	0.0
SHERMAN	3,338	0	0.0	0	0.0	0	0.0	0	0.0
SWISHER	8,730	0	0.0	0	0.0	0	0.0	0	0.0
TERRY	13,259	0	0.0	0	0.0	0	0.0	0	0.0
WHEELER	5,072	0	0.0	0	0.0	0	0.0	0	0.0
YOAKUM	7,985	0	0.0	0	0.0	0	0.0	0	0.0
REGIONAL TOTALS	829,821	0	0.0	0	0.0	0	0.0	0	0.0
STATEWIDE TOTALS	23,936,227	15	0.1	26	0.1	19	0.1	3	0.0

**HEALTH SERVICE REGION 1 - 2007
CASES AND RATES (CASES PER 100,000 POPULATION¹)**

COUNTY	2007 POP.	WEST NILE FEVER		WEST NILE NEUROINVASIVE DISEASE		YERSINIOSIS	
		CASES	RATES	CASES	RATES	CASES	RATES
ARMSTRONG	2,239	0	0.0	0	0.0	0	0.0
BAILEY	7,092	0	0.0	0	0.0	0	0.0
BRISCOE	1,881	0	0.0	0	0.0	0	0.0
CARSON	6,621	0	0.0	0	0.0	0	0.0
CASTRO	8,829	0	0.0	0	0.0	0	0.0
CHILDRESS	7,915	0	0.0	0	0.0	0	0.0
COCHRAN	4,015	0	0.0	0	0.0	0	0.0
COLLINGSWORTH	3,290	0	0.0	0	0.0	0	0.0
CROSBY	7,444	0	0.0	0	0.0	0	0.0
DALLAM	6,753	2	29.6	0	0.0	0	0.0
DEAF SMITH	19,583	0	0.0	0	0.0	0	0.0
DICKENS	2,748	0	0.0	0	0.0	0	0.0
DONLEY	3,845	0	0.0	0	0.0	0	0.0
FLOYD	8,178	0	0.0	0	0.0	0	0.0
GARZA	5,378	0	0.0	0	0.0	0	0.0
GRAY	22,495	0	0.0	0	0.0	0	0.0
HALE	37,314	0	0.0	0	0.0	0	0.0
HALL	3,911	0	0.0	0	0.0	0	0.0
HANSFORD	5,726	0	0.0	0	0.0	0	0.0
HARTLEY	5,700	1	17.5	0	0.0	0	0.0
HEMPHILL	3,666	0	0.0	0	0.0	0	0.0
HOCKLEY	23,551	0	0.0	0	0.0	0	0.0
HUTCHINSON	23,468	0	0.0	0	0.0	0	0.0
KING	368	0	0.0	0	0.0	0	0.0
LAMB	15,421	1	6.5	0	0.0	0	0.0
LIPSCOMB	3,137	0	0.0	0	0.0	0	0.0
LUBBOCK	258,622	2	0.8	3	1.2	0	0.0
LYNN	6,908	0	0.0	0	0.0	0	0.0
MOORE	21,085	0	0.0	0	0.0	0	0.0
MOTLEY	1,426	0	0.0	0	0.0	0	0.0
OCHILTREE	9,717	0	0.0	0	0.0	0	0.0
OLDHAM	2,332	0	0.0	0	0.0	0	0.0
PARMER	10,569	0	0.0	0	0.0	0	0.0
POTTER	121,008	0	0.0	0	0.0	0	0.0
RANDALL	118,267	3	2.5	3	2.5	0	0.0
ROBERTS	935	0	0.0	0	0.0	0	0.0
SHERMAN	3,338	0	0.0	1	30.0	0	0.0
SWISHER	8,730	0	0.0	0	0.0	0	0.0
TERRY	13,259	0	0.0	1	7.5	0	0.0
WHEELER	5,072	0	0.0	0	0.0	0	0.0
YOAKUM	7,985	0	0.0	0	0.0	0	0.0
REGIONAL TOTALS	829,821	9	1.1	8	1.0	0	0.0
STATEWIDE TOTALS	23,936,227	90	0.4	170	0.7	10	0.0

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

² Infant botulism rates are calculated using population under 1 year of age.

³ Perinatal hepatitis B rates are calculated using population under 2 years of age.

⁴ Pediatric influenza deaths are calculated using population under 18 years of age.

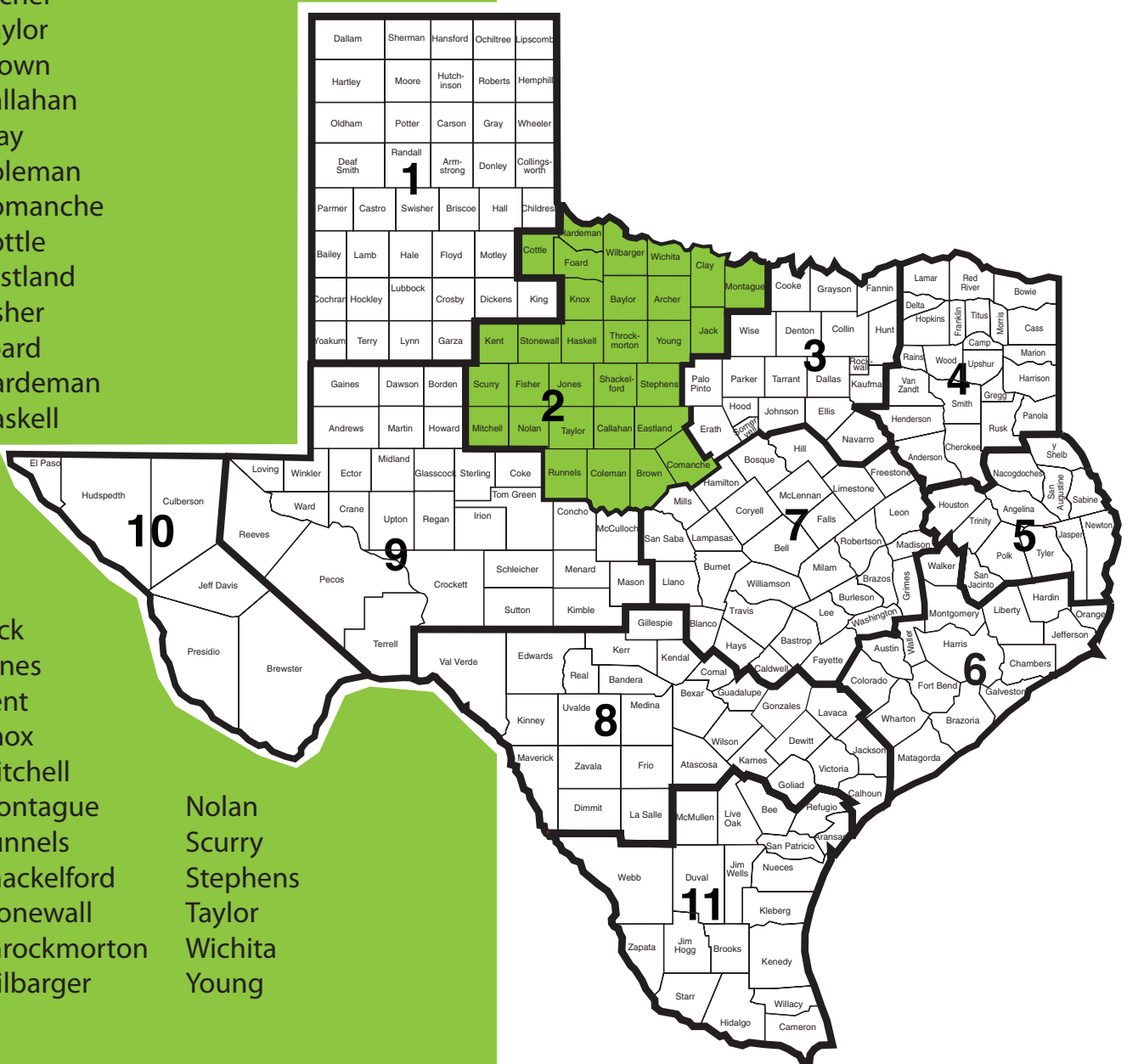
Health Service Region 2

Health Service Region 2 Counties:

Archer
 Baylor
 Brown
 Callahan
 Clay
 Coleman
 Comanche
 Cottle
 Eastland
 Fisher
 Foard
 Hardeman
 Haskell

Jack
 Jones
 Kent
 Knox
 Mitchell
 Montague
 Runnels
 Shackelford
 Stonewall
 Throckmorton
 Wilbarger

Nolan
 Scurry
 Stephens
 Taylor
 Wichita
 Young



**HEALTH SERVICE REGION 2 - 2007
CASES AND RATES (CASES PER 100,000 POPULATION¹)**

COUNTY	2007 POP.	AMEBIASIS		BOTULISM, FOODBORNE		BOTULISM, INFANT ²		BRUCELLOSIS	
		CASES	RATES	CASES	RATES	CASES	RATES	CASES	RATES
ARCHER	9,865	0	0.0	0	0.0	0	0.0	0	0.0
BAYLOR	4,021	0	0.0	0	0.0	0	0.0	0	0.0
BROWN	39,942	0	0.0	0	0.0	0	0.0	0	0.0
CALLAHAN	12,993	0	0.0	0	0.0	0	0.0	0	0.0
CLAY	11,671	0	0.0	0	0.0	0	0.0	0	0.0
COLEMAN	9,023	0	0.0	0	0.0	0	0.0	0	0.0
COMANCHE	14,358	0	0.0	0	0.0	0	0.0	0	0.0
COTTLE	1,897	0	0.0	0	0.0	0	0.0	0	0.0
EASTLAND	18,681	0	0.0	0	0.0	0	0.0	0	0.0
FISHER	4,280	0	0.0	0	0.0	0	0.0	0	0.0
FOARD	1,606	0	0.0	0	0.0	0	0.0	0	0.0
HARDEMAN	4,760	0	0.0	0	0.0	0	0.0	0	0.0
HASKELL	6,132	0	0.0	0	0.0	0	0.0	0	0.0
JACK	8,959	0	0.0	0	0.0	0	0.0	0	0.0
JONES	20,929	0	0.0	0	0.0	0	0.0	0	0.0
KENT	851	0	0.0	0	0.0	0	0.0	0	0.0
KNOX	4,305	0	0.0	0	0.0	0	0.0	0	0.0
MITCHELL	10,008	0	0.0	0	0.0	0	0.0	0	0.0
MONTAGUE	19,548	1	5.1	0	0.0	0	0.0	0	0.0
NOLAN	16,223	0	0.0	0	0.0	0	0.0	0	0.0
RUNNELS	11,689	0	0.0	0	0.0	0	0.0	0	0.0
SCURRY	16,787	0	0.0	0	0.0	0	0.0	0	0.0
SHACKELFORD	3,336	0	0.0	0	0.0	0	0.0	0	0.0
STEPHENS	9,898	0	0.0	0	0.0	0	0.0	0	0.0
STONEWALL	1,716	0	0.0	0	0.0	0	0.0	0	0.0
TAYLOR	128,194	26	20.3	0	0.0	0	0.0	0	0.0
THROCKMORTON	1,889	0	0.0	0	0.0	0	0.0	0	0.0
WICHITA	134,305	0	0.0	0	0.0	0	0.0	0	0.0
WILBARGER	14,859	0	0.0	0	0.0	0	0.0	0	0.0
YOUNG	18,049	0	0.0	0	0.0	0	0.0	0	0.0
REGIONAL TOTALS	560,774	27	4.8	0	0.0	0	0.0	0	0.0
STATEWIDE TOTALS	23,936,227	434	1.8	3	0.0	4	1.0	25	0.1

**HEALTH SERVICE REGION 2 - 2007
CASES AND RATES (CASES PER 100,000 POPULATION¹)**

COUNTY	2007 POP.	CAMPYLOBACTERIOSIS		CHICKENPOX (VARICELLA)		CHOLERA		CREUTZFELDT- JAKOB DISEASE	
		CASES	RATES	CASES	RATES	CASES	RATES	CASES	RATES
ARCHER	9,865	0	0.0	0	0.0	0	0.0	0	0.0
BAYLOR	4,021	0	0.0	0	0.0	0	0.0	0	0.0
BROWN	39,942	0	0.0	19	47.6	0	0.0	0	0.0
CALLAHAN	12,993	1	7.7	1	7.7	0	0.0	0	0.0
CLAY	11,671	0	0.0	0	0.0	0	0.0	0	0.0
COLEMAN	9,023	0	0.0	6	66.5	0	0.0	0	0.0
COMANCHE	14,358	1	7.0	2	13.9	0	0.0	1	7.0
COTTLE	1,897	0	0.0	0	0.0	0	0.0	0	0.0
EASTLAND	18,681	1	5.4	3	16.1	0	0.0	0	0.0
FISHER	4,280	0	0.0	1	23.4	0	0.0	0	0.0
FOARD	1,606	1	62.3	0	0.0	0	0.0	0	0.0
HARDEMAN	4,760	1	21.0	3	63.0	0	0.0	0	0.0
HASKELL	6,132	0	0.0	0	0.0	0	0.0	0	0.0
JACK	8,959	1	11.2	2	22.3	0	0.0	0	0.0
JONES	20,929	3	14.3	3	14.3	0	0.0	0	0.0
KENT	851	0	0.0	0	0.0	0	0.0	0	0.0
KNOX	4,305	0	0.0	0	0.0	0	0.0	0	0.0
MITCHELL	10,008	0	0.0	1	10.0	0	0.0	0	0.0
MONTAGUE	19,548	3	15.3	2	10.2	0	0.0	0	0.0
NOLAN	16,223	0	0.0	9	55.5	0	0.0	0	0.0
RUNNELS	11,689	1	8.6	3	25.7	0	0.0	0	0.0
SCURRY	16,787	3	17.9	1	6.0	0	0.0	0	0.0
SHACKELFORD	3,336	1	30.0	1	30.0	0	0.0	0	0.0
STEPHENS	9,898	2	20.2	1	10.1	0	0.0	0	0.0
STONEWALL	1,716	0	0.0	0	0.0	0	0.0	0	0.0
TAYLOR	128,194	22	17.2	68	53.0	0	0.0	0	0.0
THROCKMORTON	1,889	0	0.0	0	0.0	0	0.0	0	0.0
WICHITA	134,305	4	3.0	0	0.0	0	0.0	0	0.0
WILBARGER	14,859	0	0.0	1	6.7	0	0.0	0	0.0
YOUNG	18,049	1	5.5	33	182.8	0	0.0	0	0.0
REGIONAL TOTALS	560,774	46	8.2	160	28.5	0	0.0	1	0.2
STATEWIDE TOTALS	23,936,227	1,690	7.1	10061	42.0	1	0.0	14	0.1

**HEALTH SERVICE REGION 2 - 2007
CASES AND RATES (CASES PER 100,000 POPULATION¹)**

COUNTY	2007 POP.	CRYPTOSPORIDIOSIS		CYCLOSPORIASIS		CYSTICERCOSIS		DENGUE FEVER	
		CASES	RATES	CASES	RATES	CASES	RATES	CASES	RATES
ARCHER	9,865	1	10.1	0	0.0	0	0.0	0	0.0
BAYLOR	4,021	0	0.0	0	0.0	0	0.0	0	0.0
BROWN	39,942	0	0.0	0	0.0	0	0.0	0	0.0
CALLAHAN	12,993	0	0.0	0	0.0	0	0.0	0	0.0
CLAY	11,671	0	0.0	0	0.0	0	0.0	0	0.0
COLEMAN	9,023	0	0.0	0	0.0	0	0.0	0	0.0
COMANCHE	14,358	0	0.0	0	0.0	0	0.0	0	0.0
COTTLE	1,897	0	0.0	0	0.0	0	0.0	0	0.0
EASTLAND	18,681	0	0.0	0	0.0	0	0.0	0	0.0
FISHER	4,280	0	0.0	0	0.0	0	0.0	0	0.0
FOARD	1,606	0	0.0	0	0.0	0	0.0	0	0.0
HARDEMAN	4,760	0	0.0	0	0.0	0	0.0	0	0.0
HASKELL	6,132	0	0.0	0	0.0	0	0.0	0	0.0
JACK	8,959	0	0.0	0	0.0	0	0.0	0	0.0
JONES	20,929	0	0.0	0	0.0	0	0.0	0	0.0
KENT	851	0	0.0	0	0.0	0	0.0	0	0.0
KNOX	4,305	0	0.0	0	0.0	0	0.0	0	0.0
MITCHELL	10,008	0	0.0	0	0.0	0	0.0	0	0.0
MONTAGUE	19,548	1	5.1	0	0.0	0	0.0	0	0.0
NOLAN	16,223	0	0.0	0	0.0	0	0.0	0	0.0
RUNNELS	11,689	0	0.0	0	0.0	0	0.0	0	0.0
SCURRY	16,787	0	0.0	0	0.0	0	0.0	0	0.0
SHACKELFORD	3,336	0	0.0	0	0.0	0	0.0	0	0.0
STEPHENS	9,898	0	0.0	0	0.0	0	0.0	0	0.0
STONEWALL	1,716	0	0.0	0	0.0	0	0.0	0	0.0
TAYLOR	128,194	1	0.8	0	0.0	0	0.0	0	0.0
THROCKMORTON	1,889	0	0.0	0	0.0	0	0.0	0	0.0
WICHITA	134,305	0	0.0	0	0.0	0	0.0	0	0.0
WILBARGER	14,859	0	0.0	0	0.0	0	0.0	0	0.0
YOUNG	18,049	1	5.5	0	0.0	0	0.0	0	0.0
REGIONAL TOTALS	560,774	4	0.7	0	0.0	0	0.0	0	0.0
STATEWIDE TOTALS	23,936,227	233	1.0	2	0.0	3	0.0	32	0.1

**HEALTH SERVICE REGION 2 - 2007
CASES AND RATES (CASES PER 100,000 POPULATION¹)**

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
ARCHER	9,865	0	0.0	0	0.0	2	20.3	0	0.0
BAYLOR	4,021	0	0.0	0	0.0	0	0.0	0	0.0
BROWN	39,942	0	0.0	0	0.0	1	2.5	0	0.0
CALLAHAN	12,993	0	0.0	0	0.0	0	0.0	0	0.0
CLAY	11,671	0	0.0	0	0.0	0	0.0	0	0.0
COLEMAN	9,023	0	0.0	0	0.0	0	0.0	0	0.0
COMANCHE	14,358	0	0.0	0	0.0	0	0.0	0	0.0
COTTLE	1,897	0	0.0	0	0.0	0	0.0	0	0.0
EASTLAND	18,681	0	0.0	0	0.0	4	21.4	0	0.0
FISHER	4,280	0	0.0	0	0.0	0	0.0	0	0.0
FOARD	1,606	0	0.0	0	0.0	0	0.0	0	0.0
HARDEMAN	4,760	0	0.0	0	0.0	1	21.0	0	0.0
HASKELL	6,132	0	0.0	0	0.0	0	0.0	0	0.0
JACK	8,959	0	0.0	0	0.0	1	11.2	0	0.0
JONES	20,929	0	0.0	0	0.0	0	0.0	0	0.0
KENT	851	0	0.0	0	0.0	0	0.0	0	0.0
KNOX	4,305	0	0.0	0	0.0	0	0.0	0	0.0
MITCHELL	10,008	0	0.0	0	0.0	0	0.0	0	0.0
MONTAGUE	19,548	0	0.0	0	0.0	0	0.0	0	0.0
NOLAN	16,223	0	0.0	0	0.0	0	0.0	0	0.0
RUNNELS	11,689	0	0.0	0	0.0	0	0.0	0	0.0
SCURRY	16,787	0	0.0	0	0.0	0	0.0	0	0.0
SHACKELFORD	3,336	0	0.0	0	0.0	0	0.0	0	0.0
STEPHENS	9,898	0	0.0	0	0.0	0	0.0	0	0.0
STONEWALL	1,716	0	0.0	0	0.0	0	0.0	0	0.0
TAYLOR	128,194	0	0.0	0	0.0	10	7.8	0	0.0
THROCKMORTON	1,889	0	0.0	0	0.0	0	0.0	0	0.0
WICHITA	134,305	0	0.0	0	0.0	0	0.0	0	0.0
WILBARGER	14,859	0	0.0	0	0.0	0	0.0	0	0.0
YOUNG	18,049	0	0.0	0	0.0	0	0.0	0	0.0
REGIONAL TOTALS	560,774	0	0.0	0	0.0	19	3.4	0	0.0
STATEWIDE TOTALS	23,936,227	32	0.1	11	0.0	210	0.9	14	0.1

**HEALTH SERVICE REGION 2 - 2007
CASES AND RATES (CASES PER 100,000 POPULATION¹)**

COUNTY	2007 POP.	HANTAVIRUS PULMONARY SYNDROME		HEMOLYTIC UREMIC SYNDROME		HEPATITIS A, ACUTE		HEPATITIS B, ACUTE	
		CASES	RATES	CASES	RATES	CASES	RATES	CASES	RATES
ARCHER	9,865	0	0.0	0	0.0	0	0.0	2	20.3
BAYLOR	4,021	0	0.0	0	0.0	0	0.0	1	24.9
BROWN	39,942	0	0.0	0	0.0	0	0.0	0	0.0
CALLAHAN	12,993	0	0.0	0	0.0	1	7.7	0	0.0
CLAY	11,671	0	0.0	0	0.0	0	0.0	2	17.1
COLEMAN	9,023	0	0.0	0	0.0	0	0.0	1	11.1
COMANCHE	14,358	0	0.0	0	0.0	0	0.0	2	13.9
COTTLE	1,897	0	0.0	0	0.0	0	0.0	0	0.0
EASTLAND	18,681	0	0.0	0	0.0	0	0.0	0	0.0
FISHER	4,280	0	0.0	0	0.0	0	0.0	0	0.0
FOARD	1,606	0	0.0	0	0.0	0	0.0	1	62.3
HARDEMAN	4,760	0	0.0	0	0.0	0	0.0	0	0.0
HASKELL	6,132	0	0.0	0	0.0	0	0.0	0	0.0
JACK	8,959	0	0.0	0	0.0	0	0.0	4	44.6
JONES	20,929	0	0.0	0	0.0	0	0.0	0	0.0
KENT	851	0	0.0	0	0.0	0	0.0	0	0.0
KNOX	4,305	0	0.0	0	0.0	0	0.0	0	0.0
MITCHELL	10,008	0	0.0	0	0.0	0	0.0	0	0.0
MONTAGUE	19,548	0	0.0	0	0.0	0	0.0	1	5.1
NOLAN	16,223	0	0.0	0	0.0	0	0.0	1	6.2
RUNNELS	11,689	0	0.0	0	0.0	0	0.0	0	0.0
SCURRY	16,787	0	0.0	0	0.0	0	0.0	0	0.0
SHACKELFORD	3,336	0	0.0	0	0.0	0	0.0	0	0.0
STEPHENS	9,898	0	0.0	0	0.0	0	0.0	1	10.1
STONEWALL	1,716	0	0.0	0	0.0	0	0.0	0	0.0
TAYLOR	128,194	0	0.0	0	0.0	0	0.0	5	3.9
THROCKMORTON	1,889	0	0.0	0	0.0	0	0.0	0	0.0
WICHITA	134,305	0	0.0	0	0.0	7	5.2	11	8.2
WILBARGER	14,859	0	0.0	0	0.0	0	0.0	1	6.7
YOUNG	18,049	0	0.0	0	0.0	0	0.0	1	5.5
REGIONAL TOTALS	560,774	0	0.0	0	0.0	8	1.4	34	6.1
STATEWIDE TOTALS	23,936,227	1,690	7.1	10061	42.0	1	0.0	14	0.1

**HEALTH SERVICE REGION 2 - 2007
CASES AND RATES (CASES PER 100,000 POPULATION¹)**

COUNTY	2007 POP.	HEPATITIS B, PERINATAL ³		HEPATITIS C, ACUTE		HEPATITIS D, ACUTE		INFLUENZA,-ASSOC PEDIATRIC MORTALITY ⁴	
		CASES	RATES	CASES	CASES	CASES	RATES	CASES	RATES
ARCHER	9,865	0	0.0	0	0.0	0	0.0	0	0.0
BAYLOR	4,021	0	0.0	0	0.0	0	0.0	0	0.0
BROWN	39,942	0	0.0	1	2.5	0	0.0	0	0.0
CALLAHAN	12,993	0	0.0	0	0.0	0	0.0	0	0.0
CLAY	11,671	0	0.0	0	0.0	0	0.0	0	0.0
COLEMAN	9,023	0	0.0	0	0.0	0	0.0	0	0.0
COMANCHE	14,358	0	0.0	0	0.0	0	0.0	0	0.0
COTTLE	1,897	0	0.0	0	0.0	0	0.0	0	0.0
EASTLAND	18,681	0	0.0	0	0.0	0	0.0	0	0.0
FISHER	4,280	0	0.0	0	0.0	0	0.0	0	0.0
FOARD	1,606	0	0.0	0	0.0	0	0.0	0	0.0
HARDEMAN	4,760	0	0.0	0	0.0	0	0.0	0	0.0
HASKELL	6,132	0	0.0	0	0.0	0	0.0	0	0.0
JACK	8,959	0	0.0	0	0.0	0	0.0	0	0.0
JONES	20,929	0	0.0	0	0.0	0	0.0	0	0.0
KENT	851	0	0.0	0	0.0	0	0.0	0	0.0
KNOX	4,305	0	0.0	0	0.0	0	0.0	0	0.0
MITCHELL	10,008	0	0.0	0	0.0	0	0.0	0	0.0
MONTAGUE	19,548	0	0.0	0	0.0	0	0.0	0	0.0
NOLAN	16,223	0	0.0	1	6.2	0	0.0	0	0.0
RUNNELS	11,689	0	0.0	0	0.0	0	0.0	0	0.0
SCURRY	16,787	0	0.0	1	6.0	0	0.0	0	0.0
SHACKELFORD	3,336	0	0.0	0	0.0	0	0.0	0	0.0
STEPHENS	9,898	0	0.0	0	0.0	0	0.0	0	0.0
STONEWALL	1,716	0	0.0	0	0.0	0	0.0	0	0.0
TAYLOR	128,194	0	0.0	3	2.3	0	0.0	0	0.0
THROCKMORTON	1,889	0	0.0	0	0.0	0	0.0	0	0.0
WICHITA	134,305	0	0.0	5	3.7	0	0.0	0	0.0
WILBARGER	14,859	0	0.0	0	0.0	0	0.0	0	0.0
YOUNG	18,049	0	0.0	0	0.0	0	0.0	0	0.0
REGIONAL TOTALS	560,774	0	0.0	11	2.0	0	0.0	0	0.0
STATEWIDE TOTALS	23,936,227	3	0.4	67	0.3	2	0.0	13	0.2

**HEALTH SERVICE REGION 2 - 2007
CASES AND RATES (CASES PER 100,000 POPULATION¹)**

COUNTY	2007 POP.	LEGIONELLOSIS		LEISHMANIASIS		LISTERIOSIS		LYME DISEASE	
		CASES	RATES	CASES	RATES	CASES	RATES	CASES	RATES
ARCHER	9,865	0	0.0	0	0.0	0	0.0	0	0.0
BAYLOR	4,021	0	0.0	0	0.0	0	0.0	0	0.0
BROWN	39,942	0	0.0	0	0.0	0	0.0	2	5.0
CALLAHAN	12,993	0	0.0	0	0.0	0	0.0	0	0.0
CLAY	11,671	0	0.0	0	0.0	0	0.0	0	0.0
COLEMAN	9,023	0	0.0	0	0.0	0	0.0	0	0.0
COMANCHE	14,358	0	0.0	0	0.0	0	0.0	1	7.0
COTTLE	1,897	0	0.0	0	0.0	0	0.0	0	0.0
EASTLAND	18,681	0	0.0	0	0.0	0	0.0	1	5.4
FISHER	4,280	0	0.0	0	0.0	0	0.0	0	0.0
FOARD	1,606	0	0.0	0	0.0	0	0.0	0	0.0
HARDEMAN	4,760	0	0.0	0	0.0	0	0.0	0	0.0
HASKELL	6,132	0	0.0	0	0.0	0	0.0	0	0.0
JACK	8,959	0	0.0	0	0.0	0	0.0	0	0.0
JONES	20,929	0	0.0	0	0.0	0	0.0	0	0.0
KENT	851	0	0.0	0	0.0	0	0.0	0	0.0
KNOX	4,305	0	0.0	0	0.0	0	0.0	0	0.0
MITCHELL	10,008	0	0.0	0	0.0	0	0.0	1	10.0
MONTAGUE	19,548	0	0.0	0	0.0	0	0.0	0	0.0
NOLAN	16,223	0	0.0	0	0.0	0	0.0	0	0.0
RUNNELS	11,689	0	0.0	0	0.0	0	0.0	0	0.0
SCURRY	16,787	0	0.0	0	0.0	0	0.0	0	0.0
SHACKELFORD	3,336	0	0.0	0	0.0	0	0.0	0	0.0
STEPHENS	9,898	0	0.0	0	0.0	0	0.0	0	0.0
STONEWALL	1,716	0	0.0	0	0.0	0	0.0	0	0.0
TAYLOR	128,194	1	0.8	0	0.0	0	0.0	0	0.0
THROCKMORTON	1,889	0	0.0	0	0.0	0	0.0	0	0.0
WICHITA	134,305	0	0.0	0	0.0	0	0.0	1	0.7
WILBARGER	14,859	0	0.0	0	0.0	0	0.0	1	6.7
YOUNG	18,049	0	0.0	0	0.0	0	0.0	0	0.0
REGIONAL TOTALS	560,774	1	0.2	0	0.0	0	0.0	7	1.2
STATEWIDE TOTALS	23,936,227	121	0.5	9	0.0	64	0.3	87	0.4

**HEALTH SERVICE REGION 2 - 2007
CASES AND RATES (CASES PER 100,000 POPULATION¹)**

COUNTY	2007 POP.	MALARIA		MEASLES		MENINGITIS, ASEPTIC		MENINGITIS, BACTERIAL	
		CASES	RATES	CASES	RATES	CASES	RATES	CASES	RATES
ARCHER	9,865	0	0.0	0	0.0	0	0.0	0	0.0
BAYLOR	4,021	0	0.0	0	0.0	0	0.0	0	0.0
BROWN	39,942	0	0.0	0	0.0	0	0.0	0	0.0
CALLAHAN	12,993	0	0.0	0	0.0	0	0.0	1	7.7
CLAY	11,671	0	0.0	0	0.0	1	8.6	0	0.0
COLEMAN	9,023	0	0.0	0	0.0	0	0.0	0	0.0
COMANCHE	14,358	0	0.0	0	0.0	1	7.0	1	7.0
COTTLE	1,897	0	0.0	0	0.0	0	0.0	0	0.0
EASTLAND	18,681	0	0.0	0	0.0	0	0.0	0	0.0
FISHER	4,280	0	0.0	0	0.0	0	0.0	0	0.0
FOARD	1,606	0	0.0	0	0.0	0	0.0	0	0.0
HARDEMAN	4,760	0	0.0	0	0.0	0	0.0	0	0.0
HASKELL	6,132	0	0.0	0	0.0	0	0.0	0	0.0
JACK	8,959	0	0.0	0	0.0	2	22.3	0	0.0
JONES	20,929	0	0.0	0	0.0	2	9.6	0	0.0
KENT	851	0	0.0	0	0.0	0	0.0	0	0.0
KNOX	4,305	0	0.0	0	0.0	0	0.0	0	0.0
MITCHELL	10,008	0	0.0	0	0.0	0	0.0	0	0.0
MONTAGUE	19,548	0	0.0	0	0.0	0	0.0	0	0.0
NOLAN	16,223	0	0.0	0	0.0	1	6.2	0	0.0
RUNNELS	11,689	0	0.0	0	0.0	0	0.0	0	0.0
SCURRY	16,787	0	0.0	0	0.0	1	6.0	0	0.0
SHACKELFORD	3,336	0	0.0	0	0.0	1	30.0	0	0.0
STEPHENS	9,898	0	0.0	0	0.0	1	10.1	0	0.0
STONEWALL	1,716	0	0.0	0	0.0	0	0.0	0	0.0
TAYLOR	128,194	1	0.8	0	0.0	0	0.0	5	3.9
THROCKMORTON	1,889	0	0.0	0	0.0	1	52.9	1	52.9
WICHITA	134,305	0	0.0	0	0.0	16	11.9	3	2.2
WILBARGER	14,859	1	6.7	0	0.0	1	6.7	0	0.0
YOUNG	18,049	0	0.0	0	0.0	0	0.0	0	0.0
REGIONAL TOTALS	560,774	2	0.4	0	0.0	28	5.0	11	2.0
STATEWIDE TOTALS	23,936,227	130	0.5	7	0.0	2,126	8.9	385	1.6

**HEALTH SERVICE REGION 2 - 2007
CASES AND RATES (CASES PER 100,000 POPULATION¹)**

COUNTY	2007 POP.	MENINGITIS, OTHER		MENINGOCOCCAL INFECTION		MUMPS		PERTUSSIS	
		CASES	RATES	CASES	RATES	CASES	RATES	CASES	RATES
ARCHER	9,865	0	0.0	0	0.0	0	0.0	0	0.0
BAYLOR	4,021	0	0.0	0	0.0	0	0.0	0	0.0
BROWN	39,942	0	0.0	0	0.0	0	0.0	0	0.0
CALLAHAN	12,993	0	0.0	0	0.0	0	0.0	0	0.0
CLAY	11,671	0	0.0	0	0.0	0	0.0	0	0.0
COLEMAN	9,023	0	0.0	0	0.0	0	0.0	0	0.0
COMANCHE	14,358	0	0.0	0	0.0	0	0.0	0	0.0
COTTLE	1,897	0	0.0	0	0.0	0	0.0	0	0.0
EASTLAND	18,681	0	0.0	0	0.0	0	0.0	0	0.0
FISHER	4,280	0	0.0	0	0.0	0	0.0	0	0.0
FOARD	1,606	0	0.0	0	0.0	0	0.0	0	0.0
HARDEMAN	4,760	0	0.0	0	0.0	0	0.0	0	0.0
HASKELL	6,132	0	0.0	0	0.0	0	0.0	0	0.0
JACK	8,959	0	0.0	0	0.0	0	0.0	1	11.2
JONES	20,929	1	4.8	0	0.0	0	0.0	0	0.0
KENT	851	0	0.0	0	0.0	0	0.0	0	0.0
KNOX	4,305	0	0.0	0	0.0	0	0.0	0	0.0
MITCHELL	10,008	0	0.0	0	0.0	0	0.0	0	0.0
MONTAGUE	19,548	0	0.0	0	0.0	0	0.0	0	0.0
NOLAN	16,223	0	0.0	0	0.0	0	0.0	0	0.0
RUNNELS	11,689	0	0.0	0	0.0	0	0.0	0	0.0
SCURRY	16,787	0	0.0	0	0.0	0	0.0	0	0.0
SHACKELFORD	3,336	0	0.0	0	0.0	0	0.0	0	0.0
STEPHENS	9,898	0	0.0	0	0.0	0	0.0	0	0.0
STONEWALL	1,716	0	0.0	0	0.0	0	0.0	0	0.0
TAYLOR	128,194	1	0.8	0	0.0	0	0.0	1	0.8
THROCKMORTON	1,889	0	0.0	0	0.0	0	0.0	0	0.0
WICHITA	134,305	0	0.0	0	0.0	0	0.0	1	0.7
WILBARGER	14,859	0	0.0	0	0.0	0	0.0	0	0.0
YOUNG	18,049	0	0.0	0	0.0	0	0.0	0	0.0
REGIONAL TOTALS	560,774	2	0.4	0	0.0	0	0.0	3	0.5
STATEWIDE TOTALS	23,936,227	101	0.4	55	0.2	21	0.1	1,051	4.4

**HEALTH SERVICE REGION 2 - 2007
CASES AND RATES (CASES PER 100,000 POPULATION¹)**

COUNTY	2007 POP.	PRIMARY AMOEBIC MENINGOENCEPHALITIS		Q FEVER		SALMONELLOSIS		SHIGELLOSIS	
		CASES	RATES	CASES	RATES	CASES	RATES	CASES	RATES
ARCHER	9,865	0	0.0	0	0.0	0	0.0	0	0.0
BAYLOR	4,021	0	0.0	0	0.0	2	49.7	0	0.0
BROWN	39,942	0	0.0	0	0.0	6	15.0	0	0.0
CALLAHAN	12,993	0	0.0	0	0.0	2	15.4	0	0.0
CLAY	11,671	0	0.0	0	0.0	1	8.6	0	0.0
COLEMAN	9,023	0	0.0	0	0.0	2	22.2	0	0.0
COMANCHE	14,358	0	0.0	0	0.0	0	0.0	0	0.0
COTTLE	1,897	0	0.0	0	0.0	0	0.0	0	0.0
EASTLAND	18,681	0	0.0	0	0.0	7	37.5	0	0.0
FISHER	4,280	0	0.0	0	0.0	7	163.6	0	0.0
FOARD	1,606	0	0.0	0	0.0	0	0.0	0	0.0
HARDEMAN	4,760	0	0.0	0	0.0	0	0.0	2	42.0
HASKELL	6,132	0	0.0	0	0.0	4	65.2	0	0.0
JACK	8,959	0	0.0	0	0.0	0	0.0	2	22.3
JONES	20,929	0	0.0	0	0.0	5	23.9	1	4.8
KENT	851	0	0.0	0	0.0	0	0.0	0	0.0
KNOX	4,305	0	0.0	0	0.0	3	69.7	1	23.2
MITCHELL	10,008	0	0.0	0	0.0	2	20.0	0	0.0
MONTAGUE	19,548	0	0.0	0	0.0	6	30.7	0	0.0
NOLAN	16,223	0	0.0	0	0.0	1	6.2	1	6.2
RUNNELS	11,689	0	0.0	0	0.0	3	25.7	0	0.0
SCURRY	16,787	0	0.0	0	0.0	0	0.0	0	0.0
SHACKELFORD	3,336	0	0.0	0	0.0	1	30.0	0	0.0
STEPHENS	9,898	0	0.0	0	0.0	1	10.1	0	0.0
STONEWALL	1,716	0	0.0	0	0.0	2	116.6	0	0.0
TAYLOR	128,194	0	0.0	0	0.0	16	12.5	86	67.1
THROCKMORTON	1,889	0	0.0	0	0.0	0	0.0	0	0.0
WICHITA	134,305	0	0.0	0	0.0	13	9.7	4	3.0
WILBARGER	14,859	0	0.0	0	0.0	1	6.7	2	13.5
YOUNG	18,049	0	0.0	0	0.0	2	11.1	0	0.0
REGIONAL TOTALS	560,774	0	0.0	0	0.0	87	15.5	99	17.7
STATEWIDE TOTALS	23,936,227	2	0.0	11	0.0	3,534	14.8	2,358	9.9

**HEALTH SERVICE REGION 2 - 2007
CASES AND RATES (CASES PER 100,000 POPULATION¹)**

COUNTY	2007 POP.	SPOTTED FEVER GP RICKETTSIOSSES		STREPTOCOCCUS, GROUP A		STREPTOCOCCUS, GROUP B		STREPTOCOCCUS PNEUMONIAE	
		CASES	RATES	CASES	RATES	CASES	RATES	CASES	RATES
ARCHER	9,865	0	0.0	0	0.0	0	0.0	0	0.0
BAYLOR	4,021	0	0.0	0	0.0	0	0.0	0	0.0
BROWN	39,942	0	0.0	0	0.0	0	0.0	0	0.0
CALLAHAN	12,993	0	0.0	1	7.7	0	0.0	1	7.7
CLAY	11,671	0	0.0	0	0.0	0	0.0	0	0.0
COLEMAN	9,023	0	0.0	0	0.0	0	0.0	0	0.0
COMANCHE	14,358	0	0.0	0	0.0	0	0.0	1	7.0
COTTLE	1,897	0	0.0	1	52.7	0	0.0	0	0.0
EASTLAND	18,681	0	0.0	0	0.0	0	0.0	0	0.0
FISHER	4,280	0	0.0	0	0.0	0	0.0	0	0.0
FOARD	1,606	0	0.0	0	0.0	0	0.0	0	0.0
HARDEMAN	4,760	0	0.0	0	0.0	0	0.0	0	0.0
HASKELL	6,132	0	0.0	0	0.0	0	0.0	0	0.0
JACK	8,959	0	0.0	0	0.0	0	0.0	2	22.3
JONES	20,929	0	0.0	0	0.0	1	4.8	0	0.0
KENT	851	0	0.0	0	0.0	0	0.0	0	0.0
KNOX	4,305	0	0.0	0	0.0	1	23.2	0	0.0
MITCHELL	10,008	0	0.0	0	0.0	0	0.0	1	10.0
MONTAGUE	19,548	0	0.0	0	0.0	0	0.0	0	0.0
NOLAN	16,223	3	18.5	0	0.0	0	0.0	1	6.2
RUNNELS	11,689	0	0.0	0	0.0	0	0.0	0	0.0
SCURRY	16,787	0	0.0	1	6.0	2	11.9	1	6.0
SHACKELFORD	3,336	0	0.0	0	0.0	0	0.0	1	30.0
STEPHENS	9,898	0	0.0	0	0.0	0	0.0	0	0.0
STONEWALL	1,716	0	0.0	0	0.0	0	0.0	0	0.0
TAYLOR	128,194	0	0.0	2	1.6	2	1.6	3	2.3
THROCKMORTON	1,889	0	0.0	0	0.0	0	0.0	0	0.0
WICHITA	134,305	0	0.0	1	0.7	0	0.0	3	2.2
WILBARGER	14,859	0	0.0	0	0.0	0	0.0	1	6.7
YOUNG	18,049	0	0.0	0	0.0	0	0.0	1	5.5
REGIONAL TOTALS	560,774	3	0.5	6	1.1	6	1.1	16	2.9
STATEWIDE TOTALS	23,936,227	49	0.2	281	1.2	433	1.8	1,417	5.9

**HEALTH SERVICE REGION 2 - 2007
CASES AND RATES (CASES PER 100,000 POPULATION¹)**

COUNTY	2007 POP.	TULAREMIA		TYPHOID FEVER		TYPHUS, MURINE	
		CASES	RATES	CASES	RATES	CASES	RATES
ARCHER	9,865	0	0.0	0	0.0	0	0.0
BAYLOR	4,021	0	0.0	0	0.0	0	0.0
BROWN	39,942	0	0.0	0	0.0	0	0.0
CALLAHAN	12,993	0	0.0	0	0.0	0	0.0
CLAY	11,671	0	0.0	0	0.0	0	0.0
COLEMAN	9,023	0	0.0	0	0.0	0	0.0
COMANCHE	14,358	0	0.0	0	0.0	0	0.0
COTTLE	1,897	0	0.0	0	0.0	0	0.0
EASTLAND	18,681	0	0.0	0	0.0	0	0.0
FISHER	4,280	0	0.0	0	0.0	0	0.0
FOARD	1,606	0	0.0	0	0.0	0	0.0
HARDEMAN	4,760	0	0.0	0	0.0	0	0.0
HASKELL	6,132	0	0.0	0	0.0	0	0.0
JACK	8,959	0	0.0	0	0.0	0	0.0
JONES	20,929	0	0.0	0	0.0	0	0.0
KENT	851	0	0.0	0	0.0	0	0.0
KNOX	4,305	0	0.0	0	0.0	0	0.0
MITCHELL	10,008	0	0.0	0	0.0	0	0.0
MONTAGUE	19,548	0	0.0	0	0.0	0	0.0
NOLAN	16,223	0	0.0	0	0.0	0	0.0
RUNNELS	11,689	0	0.0	0	0.0	0	0.0
SCURRY	16,787	0	0.0	0	0.0	0	0.0
SHACKELFORD	3,336	0	0.0	0	0.0	0	0.0
STEPHENS	9,898	0	0.0	0	0.0	0	0.0
STONEWALL	1,716	0	0.0	0	0.0	0	0.0
TAYLOR	128,194	0	0.0	0	0.0	0	0.0
THROCKMORTON	1,889	0	0.0	0	0.0	0	0.0
WICHITA	134,305	0	0.0	0	0.0	0	0.0
WILBARGER	14,859	0	0.0	0	0.0	0	0.0
YOUNG	18,049	0	0.0	0	0.0	0	0.0
REGIONAL TOTALS	560,774	0	0.0	0	0.0	0	0.0
STATEWIDE TOTALS	23,936,227	1	0.0	22	0.1	169	0.7

**HEALTH SERVICE REGION 2 - 2007
CASES AND RATES (CASES PER 100,000 POPULATION¹)**

COUNTY	2007 POP.	VIBRIO PARAHAEMOLYTICUS		VIBRIO VULNIFICUS		VIBRIO OTHER/UNSPECIFIED		VISA	
		CASES	RATES	CASES	RATES	CASES	RATES	CASES	RATES
ARCHER	9,865	0	0.0	0	0.0	0	0.0	0	0.0
BAYLOR	4,021	0	0.0	0	0.0	0	0.0	0	0.0
BROWN	39,942	0	0.0	0	0.0	0	0.0	0	0.0
CALLAHAN	12,993	0	0.0	0	0.0	0	0.0	0	0.0
CLAY	11,671	0	0.0	0	0.0	0	0.0	0	0.0
COLEMAN	9,023	0	0.0	0	0.0	0	0.0	0	0.0
COMANCHE	14,358	0	0.0	0	0.0	0	0.0	0	0.0
COTTLE	1,897	0	0.0	0	0.0	0	0.0	0	0.0
EASTLAND	18,681	0	0.0	0	0.0	0	0.0	0	0.0
FISHER	4,280	0	0.0	0	0.0	0	0.0	0	0.0
FOARD	1,606	0	0.0	0	0.0	0	0.0	0	0.0
HARDEMAN	4,760	0	0.0	0	0.0	0	0.0	0	0.0
HASKELL	6,132	0	0.0	0	0.0	0	0.0	0	0.0
JACK	8,959	0	0.0	0	0.0	0	0.0	0	0.0
JONES	20,929	0	0.0	0	0.0	0	0.0	0	0.0
KENT	851	0	0.0	0	0.0	0	0.0	0	0.0
KNOX	4,305	0	0.0	0	0.0	0	0.0	0	0.0
MITCHELL	10,008	0	0.0	0	0.0	0	0.0	0	0.0
MONTAGUE	19,548	0	0.0	0	0.0	0	0.0	0	0.0
NOLAN	16,223	0	0.0	0	0.0	0	0.0	0	0.0
RUNNELS	11,689	0	0.0	0	0.0	0	0.0	0	0.0
SCURRY	16,787	0	0.0	0	0.0	0	0.0	0	0.0
SHACKELFORD	3,336	0	0.0	0	0.0	0	0.0	0	0.0
STEPHENS	9,898	0	0.0	0	0.0	0	0.0	0	0.0
STONEWALL	1,716	0	0.0	0	0.0	0	0.0	0	0.0
TAYLOR	128,194	0	0.0	0	0.0	0	0.0	0	0.0
THROCKMORTON	1,889	0	0.0	0	0.0	0	0.0	0	0.0
WICHITA	134,305	0	0.0	0	0.0	1	0.7	0	0.0
WILBARGER	14,859	0	0.0	0	0.0	0	0.0	0	0.0
YOUNG	18,049	0	0.0	0	0.0	0	0.0	0	0.0
REGIONAL TOTALS	560,774	0	0.0	0	0.0	1	0.2	0	0.0
STATEWIDE TOTALS	23,936,227	15	0.1	26	0.1	19	0.1	3	0.0

**HEALTH SERVICE REGION 2 - 2007
CASES AND RATES (CASES PER 100,000 POPULATION¹)**

COUNTY	2007 POP.	WEST NILE FEVER		WEST NILE NEUROINVASIVE DISEASE		YERSINIOSIS	
		CASES	RATES	CASES	RATES	CASES	RATES
ARCHER	9,865	0	0.0	0	0.0	0	0.0
BAYLOR	4,021	0	0.0	0	0.0	0	0.0
BROWN	39,942	0	0.0	0	0.0	0	0.0
CALLAHAN	12,993	0	0.0	0	0.0	0	0.0
CLAY	11,671	0	0.0	1	8.6	0	0.0
COLEMAN	9,023	0	0.0	0	0.0	0	0.0
COMANCHE	14,358	0	0.0	0	0.0	0	0.0
COTTLE	1,897	0	0.0	0	0.0	0	0.0
EASTLAND	18,681	0	0.0	0	0.0	0	0.0
FISHER	4,280	0	0.0	0	0.0	0	0.0
FOARD	1,606	0	0.0	0	0.0	0	0.0
HARDEMAN	4,760	0	0.0	0	0.0	0	0.0
HASKELL	6,132	0	0.0	0	0.0	0	0.0
JACK	8,959	0	0.0	0	0.0	0	0.0
JONES	20,929	2	9.6	1	4.8	0	0.0
KENT	851	0	0.0	0	0.0	0	0.0
KNOX	4,305	0	0.0	0	0.0	0	0.0
MITCHELL	10,008	0	0.0	0	0.0	0	0.0
MONTAGUE	19,548	0	0.0	0	0.0	0	0.0
NOLAN	16,223	0	0.0	0	0.0	0	0.0
RUNNELS	11,689	0	0.0	0	0.0	0	0.0
SCURRY	16,787	0	0.0	0	0.0	0	0.0
SHACKELFORD	3,336	0	0.0	0	0.0	0	0.0
STEPHENS	9,898	1	10.1	1	10.1	0	0.0
STONEWALL	1,716	0	0.0	0	0.0	0	0.0
TAYLOR	128,194	0	0.0	0	0.0	0	0.0
THROCKMORTON	1,889	0	0.0	0	0.0	0	0.0
WICHITA	134,305	1	0.7	1	0.7	0	0.0
WILBARGER	14,859	0	0.0	0	0.0	0	0.0
YOUNG	18,049	1	5.5	0	0.0	0	0.0
REGIONAL TOTALS	560,774	5	0.9	4	0.7	0	0.0
STATEWIDE TOTALS	23,936,227	90	0.4	170	0.7	10	0.0

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

² Infant botulism rates are calculated using population under 1 year of age.

³ Perinatal hepatitis B rates are calculated using population under 2 years of age.

⁴ Pediatric influenza deaths are calculated using population under 18 years of age.

**HEALTH SERVICE REGION 3 - 2007
CASES AND RATES (CASES PER 100,000 POPULATION¹)**

COUNTY	2007 POP.	AMEBIASIS		BOTULISM, FOODBORNE		BOTULISM, INFANT ²		BRUCELLOSIS	
		CASES	RATES	CASES	RATES	CASES	RATES	CASES	RATES
COLLIN	736,698	7	1.0	0	0.0	0	0.0	0	0.0
COOKE	39,636	0	0.0	0	0.0	0	0.0	0	0.0
DALLAS	2,415,588	107	4.4	0	0.0	1	2.3	6	0.2
DENTON	626,149	6	1.0	0	0.0	0	0.0	0	0.0
ELLIS	142,447	1	0.7	0	0.0	0	0.0	0	0.0
ERATH	36,465	0	0.0	0	0.0	0	0.0	0	0.0
FANNIN	33,937	0	0.0	0	0.0	0	0.0	0	0.0
GRAYSON	119,732	0	0.0	0	0.0	0	0.0	0	0.0
HOOD	50,286	0	0.0	0	0.0	0	0.0	0	0.0
HUNT	93,639	0	0.0	0	0.0	0	0.0	0	0.0
JOHNSON	158,246	0	0.0	0	0.0	0	0.0	1	0.6
KAUFMAN	96,126	0	0.0	0	0.0	1	71.5	0	0.0
NAVARRO	50,664	0	0.0	0	0.0	0	0.0	0	0.0
PALO PINTO	29,189	0	0.0	0	0.0	0	0.0	0	0.0
PARKER	115,185	0	0.0	0	0.0	0	0.0	0	0.0
ROCKWALL	66,701	0	0.0	0	0.0	0	0.0	0	0.0
SOMERVELL	8,574	2	23.3	0	0.0	0	0.0	0	0.0
TARRANT	1,671,134	5	0.3	0	0.0	0	0.0	3	0.2
WISE	57,552	0	0.0	0	0.0	0	0.0	0	0.0

REGIONAL TOTALS	6,547,948	128	2.0	0	0.0	2	1.9	10	0.2
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STATEWIDE TOTALS	23,936,227	434	1.8	3	0.0	4	1.0	25	0.1
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COUNTY	2007 POP.	CAMPYLOBACTERIOSIS		CHICKENPOX (VARICELLA)		CHOLERA		CREUTZFELDT- JAKOB DISEASE	
		CASES	RATES	CASES	RATES	CASES	RATES	CASES	RATES
COLLIN	736,698	28	3.8	287	39.0	0	0.0	0	0.0
COOKE	39,636	2	5.0	22	55.5	0	0.0	0	0.0
DALLAS	2,415,588	201	8.3	672	27.8	0	0.0	1	0.0
DENTON	626,149	25	4.0	507	81.0	0	0.0	1	0.2
ELLIS	142,447	4	2.8	19	13.3	0	0.0	0	0.0
ERATH	36,465	1	2.7	14	38.4	0	0.0	0	0.0
FANNIN	33,937	2	5.9	4	11.8	0	0.0	0	0.0
GRAYSON	119,732	9	7.5	33	27.6	0	0.0	0	0.0
HOOD	50,286	5	9.9	4	8.0	0	0.0	0	0.0
HUNT	93,639	1	1.1	32	34.2	0	0.0	1	1.1
JOHNSON	158,246	11	7.0	37	23.4	0	0.0	1	0.6
KAUFMAN	96,126	12	12.5	13	13.5	0	0.0	0	0.0
NAVARRO	50,664	1	2.0	5	9.9	0	0.0	0	0.0
PALO PINTO	29,189	1	3.4	2	6.9	0	0.0	0	0.0
PARKER	115,185	6	5.2	24	20.8	0	0.0	0	0.0
ROCKWALL	66,701	5	7.5	23	34.5	0	0.0	0	0.0
SOMERVELL	8,574	0	0.0	1	11.7	0	0.0	0	0.0
TARRANT	1,671,134	104	6.2	778	46.6	0	0.0	1	0.1
WISE	57,552	7	12.2	23	40.0	0	0.0	0	0.0

REGIONAL TOTALS	6,547,948	425	6.5	2,500	38.2	0	0.0	5	0.1
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STATEWIDE TOTALS	23,936,227	1,690	7.1	10061	42.0	1	0.0	14	0.1
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**HEALTH SERVICE REGION 3 - 2007
CASES AND RATES (CASES PER 100,000 POPULATION¹)**

COUNTY	2007 POP.	CRYPTOSPORIDIOSIS		CYCLOSPORIASIS		CYSTICERCOSIS		DENGUE FEVER	
		CASES	RATES	CASES	RATES	CASES	RATES	CASES	RATES
COLLIN	736,698	19	2.6	0	0.0	1	0.1	1	0.1
COOKE	39,636	0	0.0	0	0.0	0	0.0	0	0.0
DALLAS	2,415,588	38	1.6	0	0.0	0	0.0	4	0.2
DENTON	626,149	18	2.9	0	0.0	1	0.2	2	0.3
ELLIS	142,447	1	0.7	0	0.0	0	0.0	0	0.0
ERATH	36,465	1	2.7	0	0.0	0	0.0	0	0.0
FANNIN	33,937	1	2.9	0	0.0	0	0.0	0	0.0
GRAYSON	119,732	1	0.8	0	0.0	0	0.0	0	0.0
HOOD	50,286	0	0.0	0	0.0	0	0.0	0	0.0
HUNT	93,639	1	1.1	0	0.0	0	0.0	0	0.0
JOHNSON	158,246	1	0.6	0	0.0	0	0.0	1	0.6
KAUFMAN	96,126	3	3.1	0	0.0	0	0.0	0	0.0
NAVARRO	50,664	0	0.0	0	0.0	0	0.0	0	0.0
PALO PINTO	29,189	0	0.0	0	0.0	0	0.0	0	0.0
PARKER	115,185	1	0.9	0	0.0	0	0.0	0	0.0
ROCKWALL	66,701	3	4.5	0	0.0	0	0.0	0	0.0
SOMERVELL	8,574	0	0.0	0	0.0	0	0.0	0	0.0
TARRANT	1,671,134	4	0.2	0	0.0	0	0.0	0	0.0
WISE	57,552	1	1.7	0	0.0	0	0.0	0	0.0

REGIONAL TOTALS	6,547,948	93	1.4	0	0.0	2	0.0	8	0.1
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STATEWIDE TOTALS	23,936,227	233	1.0	2	0.0	3	0.0	32	0.1
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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
COLLIN	736,698	0	0.0	0	0.0	10	1.4	0	0.0
COOKE	39,636	0	0.0	0	0.0	3	7.6	0	0.0
DALLAS	2,415,588	0	0.0	0	0.0	25	1.0	2	0.1
DENTON	626,149	0	0.0	0	0.0	10	1.6	0	0.0
ELLIS	142,447	0	0.0	0	0.0	3	2.1	0	0.0
ERATH	36,465	0	0.0	0	0.0	0	0.0	0	0.0
FANNIN	33,937	0	0.0	0	0.0	0	0.0	0	0.0
GRAYSON	119,732	0	0.0	0	0.0	0	0.0	0	0.0
HOOD	50,286	0	0.0	0	0.0	1	2.0	0	0.0
HUNT	93,639	0	0.0	0	0.0	0	0.0	0	0.0
JOHNSON	158,246	0	0.0	0	0.0	1	0.6	0	0.0
KAUFMAN	96,126	0	0.0	0	0.0	5	5.2	0	0.0
NAVARRO	50,664	0	0.0	0	0.0	0	0.0	0	0.0
PALO PINTO	29,189	0	0.0	0	0.0	0	0.0	0	0.0
PARKER	115,185	0	0.0	0	0.0	3	2.6	0	0.0
ROCKWALL	66,701	0	0.0	0	0.0	2	3.0	0	0.0
SOMERVELL	8,574	0	0.0	0	0.0	0	0.0	0	0.0
TARRANT	1,671,134	0	0.0	0	0.0	15	0.9	1	0.1
WISE	57,552	0	0.0	0	0.0	1	1.7	0	0.0

REGIONAL TOTALS	6,547,948	0	0.0	0	0.0	79	1.2	3	0.0
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STATEWIDE TOTALS	23,936,227	32	0.1	11	0.0	210	0.9	14	0.1
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**HEALTH SERVICE REGION 3 - 2007
CASES AND RATES (CASES PER 100,000 POPULATION¹)**

COUNTY	2007 POP.	HANTAVIRUS PULMONARY SYNDROME		HEMOLYTIC UREMIC SYNDROME		HEPATITIS A, ACUTE		HEPATITIS B, ACUTE	
		CASES	RATES	CASES	RATES	CASES	RATES	CASES	RATES
COLLIN	736,698	0	0.0	0	0.0	6	0.8	26	3.5
COOKE	39,636	0	0.0	0	0.0	1	2.5	1	2.5
DALLAS	2,415,588	0	0.0	0	0.0	43	1.8	105	4.3
DENTON	626,149	0	0.0	0	0.0	8	1.3	12	1.9
ELLIS	142,447	0	0.0	0	0.0	2	1.4	11	7.7
ERATH	36,465	0	0.0	0	0.0	0	0.0	0	0.0
FANNIN	33,937	0	0.0	0	0.0	0	0.0	2	5.9
GRAYSON	119,732	0	0.0	0	0.0	2	1.7	3	2.5
HOOD	50,286	0	0.0	0	0.0	0	0.0	3	6.0
HUNT	93,639	0	0.0	0	0.0	0	0.0	2	2.1
JOHNSON	158,246	0	0.0	0	0.0	0	0.0	3	1.9
KAUFMAN	96,126	0	0.0	1	1.0	2	2.1	7	7.3
NAVARRO	50,664	0	0.0	1	2.0	0	0.0	0	0.0
PALO PINTO	29,189	0	0.0	0	0.0	0	0.0	0	0.0
PARKER	115,185	0	0.0	0	0.0	1	0.9	3	2.6
ROCKWALL	66,701	0	0.0	1	1.5	0	0.0	1	1.5
SOMERVELL	8,574	0	0.0	0	0.0	0	0.0	0	0.0
TARRANT	1,671,134	1	0.1	0	0.0	24	1.4	88	5.3
WISE	57,552	0	0.0	1	1.7	0	0.0	1	1.7

REGIONAL TOTALS	6,547,948	1	0.0	4	0.1	89	1.4	268	4.1
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STATEWIDE TOTALS	23,936,227	3	0.0	11	0.0	264	1.1	741	3.1
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COUNTY	2007 POP.	HEPATITIS B, PERINATAL ³		HEPATITIS C, ACUTE		HEPATITIS D, ACUTE		INFLUENZA-ASSOC PEDIATRIC MORTALITY ⁴	
		CASES	RATES	CASES	CASES	CASES	RATES	CASES	RATES
COLLIN	736,698	1	5.1	1	0.1	0	0.0	0	0.0
COOKE	39,636	0	0.0	0	0.0	0	0.0	0	0.0
DALLAS	2,415,588	0	0.0	0	0.0	2	0.1	1	0.1
DENTON	626,149	0	0.0	0	0.0	0	0.0	0	0.0
ELLIS	142,447	0	0.0	0	0.0	0	0.0	0	0.0
ERATH	36,465	0	0.0	0	0.0	0	0.0	0	0.0
FANNIN	33,937	0	0.0	0	0.0	0	0.0	0	0.0
GRAYSON	119,732	0	0.0	0	0.0	0	0.0	0	0.0
HOOD	50,286	0	0.0	0	0.0	0	0.0	0	0.0
HUNT	93,639	0	0.0	0	0.0	0	0.0	0	0.0
JOHNSON	158,246	0	0.0	0	0.0	0	0.0	0	0.0
KAUFMAN	96,126	0	0.0	0	0.0	0	0.0	0	0.0
NAVARRO	50,664	0	0.0	0	0.0	0	0.0	0	0.0
PALO PINTO	29,189	0	0.0	0	0.0	0	0.0	0	0.0
PARKER	115,185	0	0.0	0	0.0	0	0.0	0	0.0
ROCKWALL	66,701	0	0.0	0	0.0	0	0.0	0	0.0
SOMERVELL	8,574	0	0.0	0	0.0	0	0.0	0	0.0
TARRANT	1,671,134	0	0.0	0	0.0	0	0.0	1	0.2
WISE	57,552	0	0.0	0	0.0	0	0.0	0	0.0

REGIONAL TOTALS	6,547,948	1	0.5	1	0.0	2	0.0	2	0.1
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STATEWIDE TOTALS	23,936,227	3	0.4	67	0.3	2	0.0	13	0.2
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**HEALTH SERVICE REGION 3 - 2007
CASES AND RATES (CASES PER 100,000 POPULATION¹)**

COUNTY	2007 POP.	LEGIONELLOSIS		LEISHMANIASIS		LISTERIOSIS		LYME DISEASE	
		CASES	RATES	CASES	RATES	CASES	RATES	CASES	RATES
COLLIN	736,698	2	0.3	1	0.1	0	0.0	3	0.4
COOKE	39,636	0	0.0	0	0.0	0	0.0	1	2.5
DALLAS	2,415,588	17	0.7	0	0.0	8	0.3	2	0.1
DENTON	626,149	0	0.0	1	0.2	0	0.0	10	1.6
ELLIS	142,447	2	1.4	2	1.4	0	0.0	1	0.7
ERATH	36,465	0	0.0	0	0.0	0	0.0	2	5.5
FANNIN	33,937	0	0.0	0	0.0	0	0.0	0	0.0
GRAYSON	119,732	0	0.0	1	0.8	0	0.0	0	0.0
HOOD	50,286	0	0.0	0	0.0	0	0.0	1	2.0
HUNT	93,639	0	0.0	0	0.0	0	0.0	1	1.1
JOHNSON	158,246	0	0.0	0	0.0	0	0.0	0	0.0
KAUFMAN	96,126	0	0.0	0	0.0	0	0.0	0	0.0
NAVARRO	50,664	0	0.0	0	0.0	0	0.0	0	0.0
PALO PINTO	29,189	0	0.0	0	0.0	0	0.0	0	0.0
PARKER	115,185	1	0.9	0	0.0	0	0.0	0	0.0
ROCKWALL	66,701	0	0.0	0	0.0	0	0.0	3	4.5
SOMERVELL	8,574	0	0.0	0	0.0	0	0.0	0	0.0
TARRANT	1,671,134	15	0.9	2	0.1	2	0.1	2	0.1
WISE	57,552	0	0.0	0	0.0	0	0.0	1	1.7

REGIONAL TOTALS	6,547,948	37	0.6	7	0.1	10	0.2	27	0.4
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STATEWIDE TOTALS	23,936,227	121	0.5	9	0.0	64	0.3	87	0.4
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COUNTY	2007 POP.	MALARIA		MEASLES		MENINGITIS, ASEPTIC		MENINGITIS, BACTERIAL	
		CASES	RATES	CASES	RATES	CASES	RATES	CASES	RATES
COLLIN	736,698	2	0.3	0	0.0	68	9.2	3	0.4
COOKE	39,636	0	0.0	0	0.0	0	0.0	0	0.0
DALLAS	2,415,588	23	1.0	0	0.0	298	12.3	41	1.7
DENTON	626,149	4	0.6	0	0.0	46	7.3	6	1.0
ELLIS	142,447	0	0.0	0	0.0	15	10.5	1	0.7
ERATH	36,465	0	0.0	0	0.0	1	2.7	1	2.7
FANNIN	33,937	0	0.0	0	0.0	1	2.9	1	2.9
GRAYSON	119,732	0	0.0	0	0.0	1	0.8	4	3.3
HOOD	50,286	0	0.0	0	0.0	7	13.9	1	2.0
HUNT	93,639	0	0.0	0	0.0	9	9.6	0	0.0
JOHNSON	158,246	0	0.0	0	0.0	26	16.4	0	0.0
KAUFMAN	96,126	0	0.0	0	0.0	7	7.3	0	0.0
NAVARRO	50,664	0	0.0	0	0.0	1	2.0	2	3.9
PALO PINTO	29,189	0	0.0	0	0.0	2	6.9	2	6.9
PARKER	115,185	0	0.0	0	0.0	8	6.9	3	2.6
ROCKWALL	66,701	1	1.5	0	0.0	7	10.5	1	1.5
SOMERVELL	8,574	0	0.0	0	0.0	0	0.0	1	11.7
TARRANT	1,671,134	6	0.4	0	0.0	274	16.4	19	1.1
WISE	57,552	0	0.0	0	0.0	7	12.2	1	1.7

REGIONAL TOTALS	6,547,948	36	0.5	0	0.0	778	11.9	87	1.3
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STATEWIDE TOTALS	23,936,227	130	0.5	7	0.0	2,126	8.9	385	1.6
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**HEALTH SERVICE REGION 3 - 2007
CASES AND RATES (CASES PER 100,000 POPULATION¹)**

COUNTY	2007 POP.	MENINGITIS, OTHER		MENINGOCOCCAL INFECTION		MUMPS		PERTUSSIS	
		CASES	RATES	CASES	RATES	CASES	RATES	CASES	RATES
COLLIN	736,698	0	0.0	0	0.0	0	0.0	99	13.4
COOKE	39,636	0	0.0	0	0.0	0	0.0	0	0.0
DALLAS	2,415,588	25	1.0	6	0.2	1	0.0	98	4.1
DENTON	626,149	1	0.2	0	0.0	2	0.3	85	13.6
ELLIS	142,447	0	0.0	0	0.0	0	0.0	2	1.4
ERATH	36,465	0	0.0	0	0.0	0	0.0	1	2.7
FANNIN	33,937	0	0.0	0	0.0	0	0.0	0	0.0
GRAYSON	119,732	1	0.8	1	0.8	0	0.0	2	1.7
HOOD	50,286	0	0.0	0	0.0	0	0.0	1	2.0
HUNT	93,639	0	0.0	0	0.0	0	0.0	1	1.1
JOHNSON	158,246	1	0.6	1	0.6	0	0.0	9	5.7
KAUFMAN	96,126	0	0.0	0	0.0	0	0.0	2	2.1
NAVARRO	50,664	0	0.0	0	0.0	0	0.0	0	0.0
PALO PINTO	29,189	0	0.0	0	0.0	0	0.0	1	3.4
PARKER	115,185	0	0.0	1	0.9	0	0.0	12	10.4
ROCKWALL	66,701	0	0.0	0	0.0	0	0.0	1	1.5
SOMERVELL	8,574	0	0.0	0	0.0	0	0.0	0	0.0
TARRANT	1,671,134	0	0.0	4	0.2	2	0.1	73	4.4
WISE	57,552	0	0.0	0	0.0	0	0.0	1	1.7

REGIONAL TOTALS	6,547,948	28	0.4	13	0.2	5	0.1	388	5.9
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STATEWIDE TOTALS	23,936,227	101	0.4	55	0.2	21	0.1	1,051	4.4
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COUNTY	2007 POP.	PRIMARY AMOEBIC MENINGOENCEPHALITIS		Q FEVER		SALMONELLOSIS		SHIGELLOSIS	
		CASES	RATES	CASES	RATES	CASES	RATES	CASES	RATES
COLLIN	736,698	0	0.0	0	0.0	63	8.6	31	4.2
COOKE	39,636	0	0.0	0	0.0	6	15.1	79	199.3
DALLAS	2,415,588	0	0.0	1	0.0	238	9.9	163	6.7
DENTON	626,149	0	0.0	0	0.0	132	21.1	28	4.5
ELLIS	142,447	0	0.0	1	0.7	15	10.5	14	9.8
ERATH	36,465	0	0.0	0	0.0	13	35.7	2	5.5
FANNIN	33,937	0	0.0	0	0.0	3	8.8	1	2.9
GRAYSON	119,732	0	0.0	0	0.0	9	7.5	8	6.7
HOOD	50,286	0	0.0	0	0.0	20	39.8	0	0.0
HUNT	93,639	0	0.0	0	0.0	14	15.0	4	4.3
JOHNSON	158,246	0	0.0	0	0.0	37	23.4	47	29.7
KAUFMAN	96,126	0	0.0	0	0.0	27	28.1	6	6.2
NAVARRO	50,664	0	0.0	0	0.0	19	37.5	1	2.0
PALO PINTO	29,189	0	0.0	0	0.0	6	20.6	0	0.0
PARKER	115,185	0	0.0	0	0.0	44	38.2	3	2.6
ROCKWALL	66,701	0	0.0	0	0.0	9	13.5	1	1.5
SOMERVELL	8,574	0	0.0	0	0.0	7	81.6	0	0.0
TARRANT	1,671,134	0	0.0	0	0.0	233	13.9	49	2.9
WISE	57,552	0	0.0	0	0.0	11	19.1	1	1.7

REGIONAL TOTALS	6,547,948	0	0.0	2	0.0	906	13.8	438	6.7
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STATEWIDE TOTALS	23,936,227	2	0.0	11	0.0	3,534	14.8	2,358	9.9
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**HEALTH SERVICE REGION 3 - 2007
CASES AND RATES (CASES PER 100,000 POPULATION¹)**

COUNTY	2007 POP.	SPOTTED FEVER GP RICKETTSIOSSES		STREPTOCOCCUS, GROUP A		STREPTOCOCCUS, GROUP B		STREPTOCOCCUS PNEUMONIAE	
		CASES	RATES	CASES	RATES	CASES	RATES	CASES	RATES
COLLIN	736,698	0	0.0	9	1.2	5	0.7	12	1.6
COOKE	39,636	0	0.0	1	2.5	0	0.0	3	7.6
DALLAS	2,415,588	0	0.0	41	1.7	80	3.3	146	6.0
DENTON	626,149	3	0.5	2	0.3	10	1.6	9	1.4
ELLIS	142,447	0	0.0	0	0.0	3	2.1	11	7.7
ERATH	36,465	0	0.0	0	0.0	1	2.7	9	24.7
FANNIN	33,937	0	0.0	0	0.0	0	0.0	5	14.7
GRAYSON	119,732	0	0.0	1	0.8	4	3.3	20	16.7
HOOD	50,286	0	0.0	0	0.0	0	0.0	5	9.9
HUNT	93,639	0	0.0	0	0.0	0	0.0	0	0.0
JOHNSON	158,246	0	0.0	1	0.6	3	1.9	19	12.0
KAUFMAN	96,126	0	0.0	1	1.0	1	1.0	8	8.3
NAVARRO	50,664	0	0.0	0	0.0	0	0.0	3	5.9
PALO PINTO	29,189	0	0.0	0	0.0	0	0.0	7	24.0
PARKER	115,185	1	0.9	0	0.0	0	0.0	2	1.7
ROCKWALL	66,701	0	0.0	1	1.5	0	0.0	3	4.5
SOMERVELL	8,574	0	0.0	0	0.0	0	0.0	4	46.7
TARRANT	1,671,134	1	0.1	8	0.5	28	1.7	113	6.8
WISE	57,552	1	1.7	2	3.5	2	3.5	0	0.0

REGIONAL TOTALS	6,547,948	6	0.1	67	1.0	137	2.1	379	5.8
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STATEWIDE TOTALS	23,936,227	49	0.2	281	1.2	433	1.8	1,417	5.9
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COUNTY	2007 POP.	TULAREMIA		TYPHOID FEVER		TYPHUS, MURINE	
		CASES	RATES	CASES	RATES	CASES	RATES
COLLIN	736,698	0	0.0	1	0.1	0	0.0
COOKE	39,636	0	0.0	0	0.0	0	0.0
DALLAS	2,415,588	0	0.0	2	0.1	0	0.0
DENTON	626,149	0	0.0	3	0.5	0	0.0
ELLIS	142,447	0	0.0	0	0.0	0	0.0
ERATH	36,465	0	0.0	0	0.0	0	0.0
FANNIN	33,937	0	0.0	0	0.0	0	0.0
GRAYSON	119,732	0	0.0	0	0.0	0	0.0
HOOD	50,286	0	0.0	0	0.0	0	0.0
HUNT	93,639	0	0.0	0	0.0	0	0.0
JOHNSON	158,246	0	0.0	0	0.0	0	0.0
KAUFMAN	96,126	0	0.0	0	0.0	0	0.0
NAVARRO	50,664	0	0.0	0	0.0	0	0.0
PALO PINTO	29,189	0	0.0	0	0.0	0	0.0
PARKER	115,185	0	0.0	0	0.0	0	0.0
ROCKWALL	66,701	0	0.0	0	0.0	0	0.0
SOMERVELL	8,574	0	0.0	0	0.0	0	0.0
TARRANT	1,671,134	0	0.0	5	0.3	0	0.0
WISE	57,552	0	0.0	0	0.0	0	0.0

REGIONAL TOTALS	6,547,948	0	0.0	11	0.2	0	0.0
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STATEWIDE TOTALS	23,936,227	1	0.0	22	0.1	169	0.7
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**HEALTH SERVICE REGION 3 - 2007
CASES AND RATES (CASES PER 100,000 POPULATION¹)**

COUNTY	2007 POP.	VIBRIO PARAHAEMOLYTICUS		VIBRIO VULNIFICUS		VIBRIO OTHER/UNSPECIFIED		VISA	
		CASES	RATES	CASES	RATES	CASES	RATES	CASES	RATES
COLLIN	736,698	0	0.0	0	0.0	0	0.0	0	0.0
COOKE	39,636	0	0.0	0	0.0	0	0.0	0	0.0
DALLAS	2,415,588	1	0.0	3	0.1	0	0.0	0	0.0
DENTON	626,149	0	0.0	0	0.0	0	0.0	0	0.0
ELLIS	142,447	0	0.0	0	0.0	0	0.0	0	0.0
ERATH	36,465	0	0.0	0	0.0	0	0.0	0	0.0
FANNIN	33,937	0	0.0	0	0.0	0	0.0	0	0.0
GRAYSON	119,732	0	0.0	0	0.0	0	0.0	0	0.0
HOOD	50,286	0	0.0	0	0.0	0	0.0	0	0.0
HUNT	93,639	0	0.0	0	0.0	0	0.0	0	0.0
JOHNSON	158,246	0	0.0	0	0.0	0	0.0	0	0.0
KAUFMAN	96,126	0	0.0	0	0.0	0	0.0	0	0.0
NAVARRO	50,664	0	0.0	0	0.0	0	0.0	0	0.0
PALO PINTO	29,189	0	0.0	0	0.0	0	0.0	0	0.0
PARKER	115,185	0	0.0	0	0.0	0	0.0	0	0.0
ROCKWALL	66,701	0	0.0	0	0.0	0	0.0	0	0.0
SOMERVELL	8,574	0	0.0	0	0.0	0	0.0	0	0.0
TARRANT	1,671,134	3	0.2	2	0.1	3	0.2	0	0.0
WISE	57,552	0	0.0	0	0.0	0	0.0	0	0.0
REGIONAL TOTALS	6,547,948	4	0.1	5	0.1	3	0.0	0	0.0
STATEWIDE TOTALS	23,936,227	15	0.1	26	0.1	19	0.1	3	0.0

**HEALTH SERVICE REGION 3 - 2007
CASES AND RATES (CASES PER 100,000 POPULATION¹)**

COUNTY	2007 POP.	WEST NILE FEVER		WEST NILE NEUROINVASIVE DISEASE		YERSINIOSIS	
		CASES	RATES	CASES	RATES	CASES	RATES
COLLIN	736,698	3	0.4	7	1.0	0	0.0
COOKE	39,636	0	0.0	3	7.6	0	0.0
DALLAS	2,415,588	13	0.5	12	0.5	2	0.1
DENTON	626,149	3	0.5	5	0.8	0	0.0
ELLIS	142,447	0	0.0	0	0.0	0	0.0
ERATH	36,465	0	0.0	0	0.0	0	0.0
FANNIN	33,937	0	0.0	0	0.0	0	0.0
GRAYSON	119,732	0	0.0	0	0.0	0	0.0
HOOD	50,286	0	0.0	0	0.0	0	0.0
HUNT	93,639	1	1.1	2	2.1	0	0.0
JOHNSON	158,246	0	0.0	0	0.0	0	0.0
KAUFMAN	96,126	0	0.0	0	0.0	0	0.0
NAVARRO	50,664	0	0.0	0	0.0	0	0.0
PALO PINTO	29,189	0	0.0	1	3.4	0	0.0
PARKER	115,185	0	0.0	0	0.0	0	0.0
ROCKWALL	66,701	0	0.0	0	0.0	0	0.0
SOMERVELL	8,574	0	0.0	0	0.0	0	0.0
TARRANT	1,671,134	11	0.7	12	0.7	0	0.0
WISE	57,552	0	0.0	0	0.0	0	0.0
REGIONAL TOTALS	6,547,948	31	0.5	42	0.6	2	0.0
STATEWIDE TOTALS	23,936,227	90	0.4	170	0.7	10	0.0

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

² Infant botulism rates are calculated using population under 1 year of age.

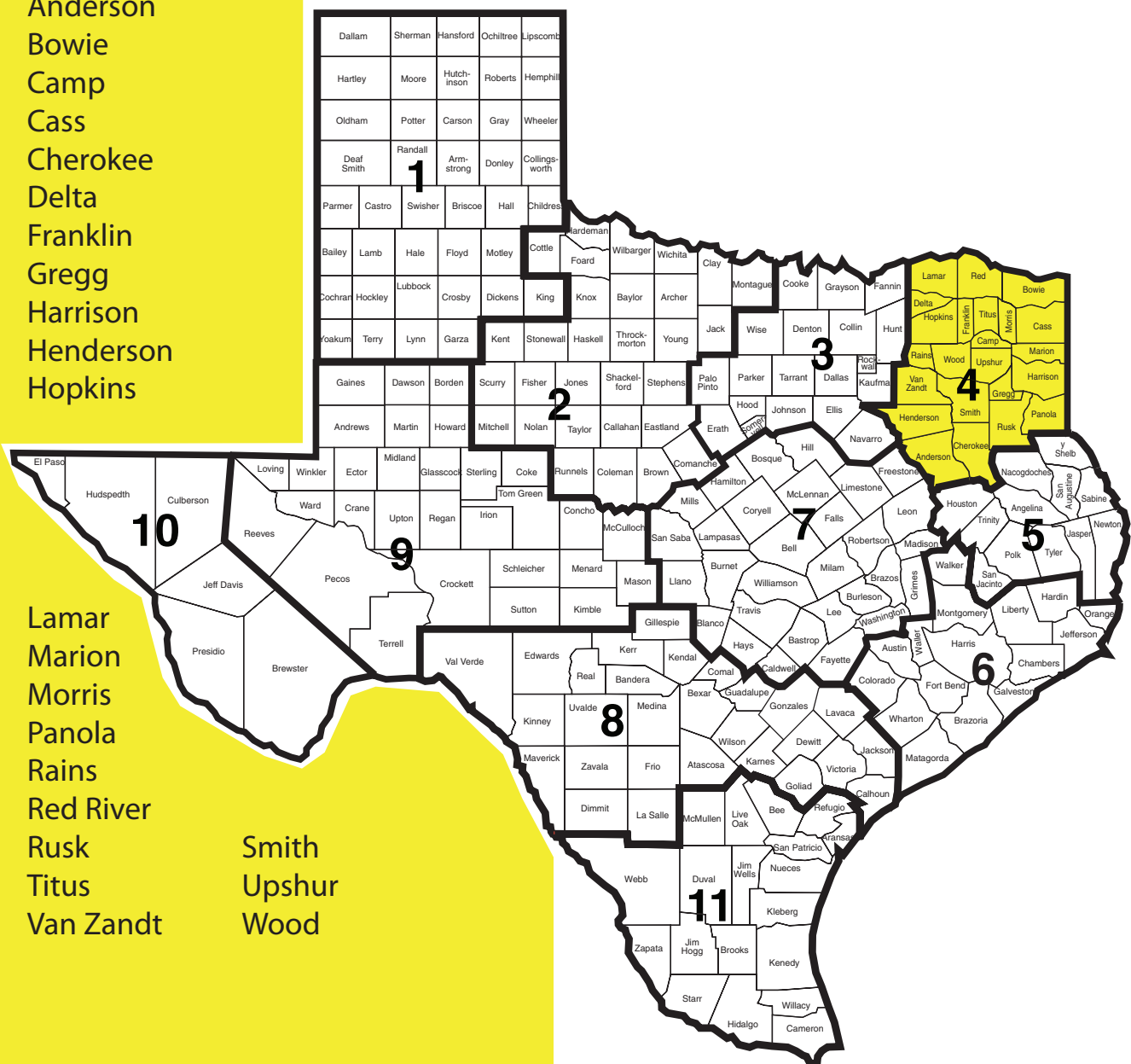
³ Perinatal hepatitis B rates are calculated using population under 2 years of age.

⁴ Pediatric influenza deaths are calculated using population under 18 years of age.

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 POPULATION¹)**

COUNTY	2007 POP.	AMEBIASIS		BOTULISM, FOODBORNE		BOTULISM, INFANT ²		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
REGIONAL TOTALS	1,089,484	2	0.2	0	0.0	0	0.0	0	0.0
STATEWIDE TOTALS	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 POPULATION¹)**

	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
REGIONAL TOTALS	1,089,484	69	6.3	414	38.0	0	0.0	0	0.0
STATEWIDE TOTALS	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 POPULATION¹)**

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
REGIONAL TOTALS	1,089,484	12	1.1	0	0.0	1	0.1	0	0.0
STATEWIDE TOTALS	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 POPULATION¹)**

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
REGIONAL TOTALS	1,089,484	0	0.0	1	0.1	8	0.7	2	0.2
STATEWIDE TOTALS	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 POPULATION¹)**

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
REGIONAL TOTALS	1,089,484	0	0.0	3	0.3	12	1.1	46	4.2
STATEWIDE TOTALS	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 POPULATION¹)**

COUNTY	2007 POP.	HEPATITIS B, PERINATAL ³		HEPATITIS C, ACUTE		HEPATITIS D, ACUTE		INFLUENZA-ASSOC PEDIATRIC MORTALITY ⁴	
		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
REGIONAL TOTALS	1,089,484	0	0.0	10	0.9	0	0.0	0	0.0
STATEWIDE TOTALS	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 POPULATION¹)**

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
REGIONAL TOTALS	1,089,484	2	0.2	0	0.0	6	0.6	5	0.5
STATEWIDE TOTALS	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 POPULATION¹)**

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
REGIONAL TOTALS	1,089,484	0	0.0	0	0.0	74	6.8	21	1.9
STATEWIDE TOTALS	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 POPULATION¹)**

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
REGIONAL TOTALS	1,089,484	9	0.8	4	0.4	1	0.1	28	2.6
STATEWIDE TOTALS	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 POPULATION¹)**

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
REGIONAL TOTALS	1,089,484	0	0.0	0	0.0	185	17.0	39	3.6
STATEWIDE TOTALS	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 POPULATION¹)**

COUNTY	2007 POP.	SPOTTED FEVER GP RICKETTSIOSSES		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
REGIONAL TOTALS	1,089,484	3	0.3	9	0.8	22	2.0	102	9.4
STATEWIDE TOTALS	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 POPULATION¹)**

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
REGIONAL TOTALS	1,089,484	0	0.0	0	0.0	0	0.0
STATEWIDE TOTALS	23,936,227	1	0.0	22	0.1	169	0.7

**HEALTH SERVICE REGION 4 - 2007
CASES AND RATES (CASES PER 100,000 POPULATION¹)**

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
REGIONAL TOTALS	1,089,484	1	0.1	0	0.0	0	0.0	0	0.0
STATEWIDE TOTALS	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 POPULATION¹)**

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
REGIONAL TOTALS	1,089,484	2	0.2	2	0.2	1	0.1
STATEWIDE TOTALS	23,936,227	90	0.4	170	0.7	10	0.0

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

² Infant botulism rates are calculated using population under 1 year of age.

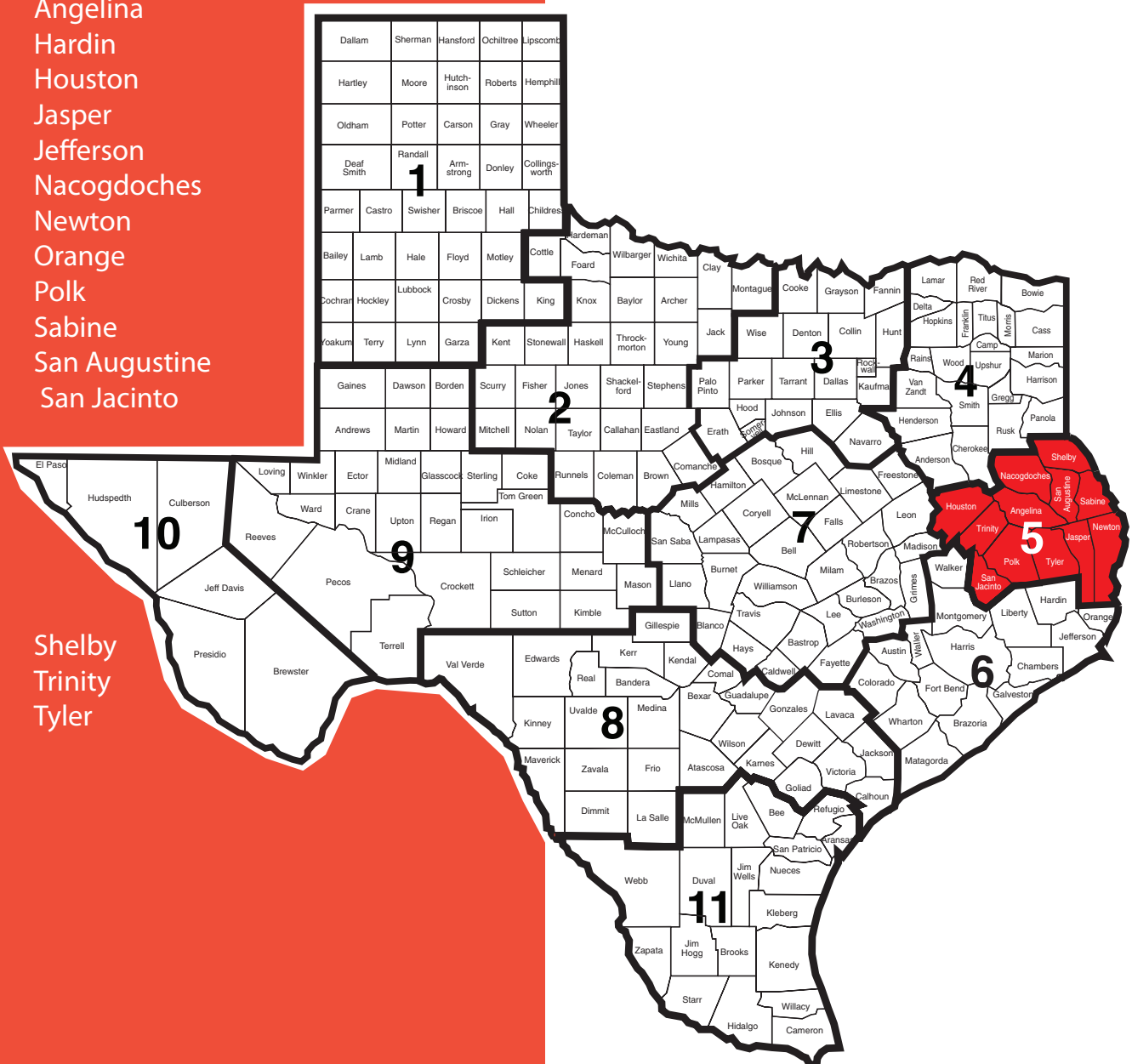
³ Perinatal hepatitis B rates are calculated using population under 2 years of age.

⁴ Pediatric influenza deaths are calculated using population under 18 years of age.

Health Service Region 5

Health Service Region 5 Counties:

- Angelina
- Hardin
- Houston
- Jasper
- Jefferson
- Nacogdoches
- Newton
- Orange
- Polk
- Sabine
- San Augustine
- San Jacinto



Shelby
Trinity
Tyler

**HEALTH SERVICE REGION 5 - 2007
CASES AND RATES (CASES PER 100,000 POPULATION¹)**

COUNTY	2007 POP.	AMEBIASIS		BOTULISM, FOODBORNE		BOTULISM, INFANT ²		BRUCELLOSIS	
		CASES	RATES	CASES	RATES	CASES	RATES	CASES	RATES
ANGELINA	85,211	0	0.0	0	0.0	0	0.0	0	0.0
HARDIN	51,583	0	0.0	0	0.0	0	0.0	0	0.0
HOUSTON	23,978	0	0.0	0	0.0	0	0.0	0	0.0
JASPER	37,562	0	0.0	0	0.0	0	0.0	0	0.0
JEFFERSON	254,743	0	0.0	0	0.0	0	0.0	0	0.0
NACOGDOCHES	63,726	0	0.0	0	0.0	0	0.0	0	0.0
NEWTON	15,656	0	0.0	0	0.0	0	0.0	0	0.0
ORANGE	89,892	0	0.0	0	0.0	0	0.0	0	0.0
POLK	46,400	0	0.0	0	0.0	0	0.0	0	0.0
SABINE	10,599	0	0.0	0	0.0	0	0.0	0	0.0
SAN AUGUSTINE	9,541	0	0.0	0	0.0	0	0.0	0	0.0
SAN JACINTO	24,516	0	0.0	0	0.0	0	0.0	1	4.1
SHELBY	26,688	0	0.0	0	0.0	0	0.0	0	0.0
TRINITY	14,432	0	0.0	0	0.0	0	0.0	0	0.0
TYLER	21,397	0	0.0	0	0.0	0	0.0	0	0.0

REGIONAL TOTALS	775,924	0	0.0	0	0.0	0	0.0	1	0.1
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STATEWIDE TOTALS	23,936,227	434	1.8	3	0.0	4	1.0	25	0.1
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COUNTY	2007 POP.	CAMPYLOBACTERIOSIS		CHICKENPOX (VARICELLA)		CHOLERA		CREUTZFELDT- JAKOB DISEASE	
		CASES	RATES	CASES	RATES	CASES	RATES	CASES	RATES
ANGELINA	85,211	11	12.9	94	110.3	0	0.0	0	0.0
HARDIN	51,583	2	3.9	0	0.0	0	0.0	0	0.0
HOUSTON	23,978	1	4.2	1	4.2	0	0.0	0	0.0
JASPER	37,562	0	0.0	0	0.0	0	0.0	0	0.0
JEFFERSON	254,743	4	1.6	1	0.4	1	0.4	0	0.0
NACOGDOCHES	63,726	9	14.1	18	28.2	0	0.0	0	0.0
NEWTON	15,656	0	0.0	0	0.0	0	0.0	0	0.0
ORANGE	89,892	0	0.0	0	0.0	0	0.0	1	1.1
POLK	46,400	4	8.6	14	30.2	0	0.0	0	0.0
SABINE	10,599	0	0.0	3	28.3	0	0.0	0	0.0
SAN AUGUSTINE	9,541	1	10.5	2	21.0	0	0.0	0	0.0
SAN JACINTO	24,516	0	0.0	1	4.1	0	0.0	0	0.0
SHELBY	26,688	4	15.0	5	18.7	0	0.0	0	0.0
TRINITY	14,432	3	20.8	1	6.9	0	0.0	0	0.0
TYLER	21,397	0	0.0	3	14.0	0	0.0	0	0.0

REGIONAL TOTALS	775,924	39	5.0	143	18.4	1	0.1	1	0.1
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STATEWIDE TOTALS	23,936,227	1,690	7.1	10061	42.0	1	0.0	14	0.1
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**HEALTH SERVICE REGION 5 - 2007
CASES AND RATES (CASES PER 100,000 POPULATION¹)**

COUNTY	2007 POP.	CRYPTOSPORIDIOSIS		CYCLOSPORIASIS		CYSTICERCOSIS		DENGUE FEVER	
		CASES	RATES	CASES	RATES	CASES	RATES	CASES	RATES
ANGELINA	85,211	1	1.2	0	0.0	0	0.0	0	0.0
HARDIN	51,583	0	0.0	0	0.0	0	0.0	0	0.0
HOUSTON	23,978	0	0.0	0	0.0	0	0.0	0	0.0
JASPER	37,562	0	0.0	0	0.0	0	0.0	0	0.0
JEFFERSON	254,743	1	0.4	0	0.0	0	0.0	2	0.8
NACOGDOCHES	63,726	0	0.0	0	0.0	0	0.0	0	0.0
NEWTON	15,656	0	0.0	0	0.0	0	0.0	0	0.0
ORANGE	89,892	0	0.0	0	0.0	0	0.0	0	0.0
POLK	46,400	0	0.0	0	0.0	0	0.0	0	0.0
SABINE	10,599	0	0.0	0	0.0	0	0.0	0	0.0
SAN AUGUSTINE	9,541	1	10.5	0	0.0	0	0.0	0	0.0
SAN JACINTO	24,516	0	0.0	0	0.0	0	0.0	0	0.0
SHELBY	26,688	1	3.7	0	0.0	0	0.0	0	0.0
TRINITY	14,432	0	0.0	0	0.0	0	0.0	0	0.0
TYLER	21,397	0	0.0	0	0.0	0	0.0	0	0.0

REGIONAL TOTALS	775,924	4	0.5	0	0.0	0	0.0	2	0.3
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STATEWIDE TOTALS	23,936,227	233	1.0	2	0.0	3	0.0	32	0.1
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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
ANGELINA	85,211	0	0.0	0	0.0	1	1.2	0	0.0
HARDIN	51,583	0	0.0	1	1.9	0	0.0	0	0.0
HOUSTON	23,978	0	0.0	0	0.0	0	0.0	0	0.0
JASPER	37,562	0	0.0	0	0.0	0	0.0	0	0.0
JEFFERSON	254,743	0	0.0	0	0.0	0	0.0	0	0.0
NACOGDOCHES	63,726	0	0.0	0	0.0	0	0.0	0	0.0
NEWTON	15,656	0	0.0	0	0.0	0	0.0	0	0.0
ORANGE	89,892	0	0.0	0	0.0	0	0.0	0	0.0
POLK	46,400	0	0.0	0	0.0	0	0.0	0	0.0
SABINE	10,599	0	0.0	0	0.0	0	0.0	0	0.0
SAN AUGUSTINE	9,541	0	0.0	0	0.0	0	0.0	0	0.0
SAN JACINTO	24,516	0	0.0	0	0.0	0	0.0	0	0.0
SHELBY	26,688	0	0.0	0	0.0	0	0.0	0	0.0
TRINITY	14,432	0	0.0	0	0.0	0	0.0	0	0.0
TYLER	21,397	0	0.0	0	0.0	0	0.0	1	4.7

REGIONAL TOTALS	775,924	0	0.0	1	0.1	1	0.1	1	0.1
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STATEWIDE TOTALS	23,936,227	32	0.1	11	0.0	210	0.9	14	0.1
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**HEALTH SERVICE REGION 5 - 2007
CASES AND RATES (CASES PER 100,000 POPULATION¹)**

COUNTY	2007 POP.	HANTAVIRUS PULMONARY SYNDROME		HEMOLYTIC UREMIC SYNDROME		HEPATITIS A, ACUTE		HEPATITIS B, ACUTE	
		CASES	RATES	CASES	RATES	CASES	RATES	CASES	RATES
ANGELINA	85,211	0	0.0	0	0.0	1	1.2	1	1.2
HARDIN	51,583	0	0.0	0	0.0	0	0.0	0	0.0
HOUSTON	23,978	0	0.0	0	0.0	0	0.0	0	0.0
JASPER	37,562	0	0.0	0	0.0	0	0.0	0	0.0
JEFFERSON	254,743	1	0.4	0	0.0	2	0.8	4	1.6
NACOGDOCHES	63,726	0	0.0	0	0.0	0	0.0	0	0.0
NEWTON	15,656	0	0.0	0	0.0	0	0.0	0	0.0
ORANGE	89,892	0	0.0	0	0.0	0	0.0	1	1.1
POLK	46,400	0	0.0	0	0.0	0	0.0	1	2.2
SABINE	10,599	0	0.0	0	0.0	0	0.0	0	0.0
SAN AUGUSTINE	9,541	0	0.0	0	0.0	0	0.0	0	0.0
SAN JACINTO	24,516	0	0.0	0	0.0	0	0.0	0	0.0
SHELBY	26,688	0	0.0	0	0.0	0	0.0	1	3.7
TRINITY	14,432	0	0.0	0	0.0	0	0.0	0	0.0
TYLER	21,397	0	0.0	0	0.0	0	0.0	0	0.0

REGIONAL TOTALS	775,924	1	0.1	0	0.0	3	0.4	8	1.0
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STATEWIDE TOTALS	23,936,227	3	0.0	11	0.0	264	1.1	741	3.1
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COUNTY	2007 POP.	HEPATITIS B, PERINATAL ³		HEPATITIS C, ACUTE		HEPATITIS D, ACUTE		INFLUENZA-ASSOC PEDIATRIC MORTALITY ⁴	
		CASES	RATES	CASES	CASES	CASES	RATES	CASES	RATES
ANGELINA	85,211	0	0.0	2	2.3	0	0.0	0	0.0
HARDIN	51,583	0	0.0	0	0.0	0	0.0	0	0.0
HOUSTON	23,978	0	0.0	0	0.0	0	0.0	0	0.0
JASPER	37,562	0	0.0	1	2.7	0	0.0	0	0.0
JEFFERSON	254,743	0	0.0	0	0.0	0	0.0	0	0.0
NACOGDOCHES	63,726	0	0.0	0	0.0	0	0.0	0	0.0
NEWTON	15,656	0	0.0	0	0.0	0	0.0	0	0.0
ORANGE	89,892	0	0.0	0	0.0	0	0.0	1	4.5
POLK	46,400	0	0.0	0	0.0	0	0.0	0	0.0
SABINE	10,599	0	0.0	0	0.0	0	0.0	0	0.0
SAN AUGUSTINE	9,541	0	0.0	0	0.0	0	0.0	0	0.0
SAN JACINTO	24,516	0	0.0	0	0.0	0	0.0	0	0.0
SHELBY	26,688	0	0.0	0	0.0	0	0.0	0	0.0
TRINITY	14,432	0	0.0	0	0.0	0	0.0	0	0.0
TYLER	21,397	0	0.0	0	0.0	0	0.0	0	0.0

REGIONAL TOTALS	775,924	0	0.0	3	0.4	0	0.0	1	0.5
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STATEWIDE TOTALS	23,936,227	3	0.4	67	0.3	2	0.0	13	0.2
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**HEALTH SERVICE REGION 5 - 2007
CASES AND RATES (CASES PER 100,000 POPULATION¹)**

COUNTY	2007 POP.	LEGIONELLOSIS		LEISHMANIASIS		LISTERIOSIS		LYME DISEASE	
		CASES	RATES	CASES	RATES	CASES	RATES	CASES	RATES
ANGELINA	85,211	0	0.0	0	0.0	0	0.0	2	2.3
HARDIN	51,583	0	0.0	0	0.0	0	0.0	0	0.0
HOUSTON	23,978	0	0.0	0	0.0	0	0.0	0	0.0
JASPER	37,562	0	0.0	0	0.0	0	0.0	0	0.0
JEFFERSON	254,743	0	0.0	0	0.0	0	0.0	0	0.0
NACOGDOCHES	63,726	0	0.0	0	0.0	0	0.0	0	0.0
NEWTON	15,656	0	0.0	0	0.0	0	0.0	1	6.4
ORANGE	89,892	1	1.1	0	0.0	0	0.0	0	0.0
POLK	46,400	0	0.0	0	0.0	0	0.0	0	0.0
SABINE	10,599	0	0.0	0	0.0	1	9.4	0	0.0
SAN AUGUSTINE	9,541	0	0.0	0	0.0	0	0.0	0	0.0
SAN JACINTO	24,516	0	0.0	0	0.0	0	0.0	0	0.0
SHELBY	26,688	0	0.0	0	0.0	0	0.0	0	0.0
TRINITY	14,432	0	0.0	0	0.0	0	0.0	0	0.0
TYLER	21,397	0	0.0	0	0.0	0	0.0	0	0.0

REGIONAL TOTALS	775,924	1	0.1	0	0.0	1	0.1	3	0.4
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STATEWIDE TOTALS	23,936,227	121	0.5	9	0.0	64	0.3	87	0.4
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COUNTY	2007 POP.	MALARIA		MEASLES		MENINGITIS, ASEPTIC		MENINGITIS, BACTERIAL	
		CASES	RATES	CASES	RATES	CASES	RATES	CASES	RATES
ANGELINA	85,211	0	0.0	0	0.0	5	5.9	0	0.0
HARDIN	51,583	0	0.0	0	0.0	0	0.0	0	0.0
HOUSTON	23,978	0	0.0	0	0.0	0	0.0	0	0.0
JASPER	37,562	0	0.0	0	0.0	0	0.0	0	0.0
JEFFERSON	254,743	1	0.4	0	0.0	3	1.2	3	1.2
NACOGDOCHES	63,726	0	0.0	0	0.0	1	1.6	0	0.0
NEWTON	15,656	0	0.0	0	0.0	0	0.0	1	6.4
ORANGE	89,892	0	0.0	0	0.0	0	0.0	0	0.0
POLK	46,400	0	0.0	0	0.0	0	0.0	1	2.2
SABINE	10,599	0	0.0	0	0.0	1	9.4	1	9.4
SAN AUGUSTINE	9,541	0	0.0	0	0.0	0	0.0	0	0.0
SAN JACINTO	24,516	0	0.0	0	0.0	1	4.1	1	4.1
SHELBY	26,688	0	0.0	0	0.0	0	0.0	0	0.0
TRINITY	14,432	0	0.0	0	0.0	2	13.9	0	0.0
TYLER	21,397	0	0.0	0	0.0	0	0.0	0	0.0

REGIONAL TOTALS	775,924	1	0.1	0	0.0	13	1.7	7	0.9
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STATEWIDE TOTALS	23,936,227	130	0.5	7	0.0	2,126	8.9	385	1.6
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**HEALTH SERVICE REGION 5 - 2007
CASES AND RATES (CASES PER 100,000 POPULATION¹)**

COUNTY	2007 POP.	MENINGITIS, OTHER		MENINGOCOCCAL INFECTION		MUMPS		PERTUSSIS	
		CASES	RATES	CASES	RATES	CASES	RATES	CASES	RATES
ANGELINA	85,211	0	0.0	0	0.0	0	0.0	11	12.9
HARDIN	51,583	0	0.0	0	0.0	0	0.0	0	0.0
HOUSTON	23,978	0	0.0	0	0.0	0	0.0	1	4.2
JASPER	37,562	0	0.0	0	0.0	0	0.0	0	0.0
JEFFERSON	254,743	0	0.0	1	0.4	0	0.0	0	0.0
NACOGDOCHES	63,726	1	1.6	0	0.0	0	0.0	7	11.0
NEWTON	15,656	0	0.0	0	0.0	0	0.0	0	0.0
ORANGE	89,892	0	0.0	0	0.0	0	0.0	0	0.0
POLK	46,400	0	0.0	0	0.0	0	0.0	2	4.3
SABINE	10,599	0	0.0	0	0.0	0	0.0	0	0.0
SAN AUGUSTINE	9,541	0	0.0	0	0.0	0	0.0	2	21.0
SAN JACINTO	24,516	0	0.0	0	0.0	0	0.0	0	0.0
SHELBY	26,688	0	0.0	0	0.0	0	0.0	2	7.5
TRINITY	14,432	0	0.0	0	0.0	0	0.0	1	6.9
TYLER	21,397	0	0.0	0	0.0	0	0.0	0	0.0

REGIONAL TOTALS	775,924	1	0.1	1	0.1	0	0.0	26	3.4
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STATEWIDE TOTALS	23,936,227	101	0.4	55	0.2	21	0.1	1,051	4.4
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COUNTY	2007 POP.	PRIMARY AMOEBIC MENINGOENCEPHALITIS		Q FEVER		SALMONELLOSIS		SHIGELLOSIS	
		CASES	RATES	CASES	RATES	CASES	RATES	CASES	RATES
ANGELINA	85,211	0	0.0	0	0.0	24	28.2	7	8.2
HARDIN	51,583	0	0.0	0	0.0	7	13.6	0	0.0
HOUSTON	23,978	0	0.0	0	0.0	6	25.0	2	8.3
JASPER	37,562	0	0.0	0	0.0	0	0.0	0	0.0
JEFFERSON	254,743	0	0.0	0	0.0	13	5.1	5	2.0
NACOGDOCHES	63,726	0	0.0	0	0.0	15	23.5	7	11.0
NEWTON	15,656	0	0.0	0	0.0	0	0.0	0	0.0
ORANGE	89,892	0	0.0	0	0.0	8	8.9	0	0.0
POLK	46,400	0	0.0	0	0.0	9	19.4	6	12.9
SABINE	10,599	0	0.0	0	0.0	0	0.0	0	0.0
SAN AUGUSTINE	9,541	0	0.0	0	0.0	3	31.4	1	10.5
SAN JACINTO	24,516	0	0.0	0	0.0	4	16.3	0	0.0
SHELBY	26,688	0	0.0	0	0.0	9	33.7	5	18.7
TRINITY	14,432	0	0.0	0	0.0	1	6.9	1	6.9
TYLER	21,397	0	0.0	0	0.0	2	9.3	0	0.0

REGIONAL TOTALS	775,924	0	0.0	0	0.0	101	13.0	34	4.4
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STATEWIDE TOTALS	23,936,227	2	0.0	11	0.0	3,534	14.8	2,358	9.9
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**HEALTH SERVICE REGION 5 - 2007
CASES AND RATES (CASES PER 100,000 POPULATION¹)**

COUNTY	2007 POP.	SPOTTED FEVER GP RICKETTSIOSES		STREPTOCOCCUS, GROUP A		STREPTOCOCCUS, GROUP B		STREPTOCOCCUS PNEUMONIAE	
		CASES	RATES	CASES	RATES	CASES	RATES	CASES	RATES
ANGELINA	85,211	2	2.3	1	1.2	0	0.0	1	1.2
HARDIN	51,583	1	1.9	0	0.0	0	0.0	1	1.9
HOUSTON	23,978	0	0.0	0	0.0	0	0.0	1	4.2
JASPER	37,562	0	0.0	0	0.0	0	0.0	0	0.0
JEFFERSON	254,743	0	0.0	0	0.0	0	0.0	1	0.4
NACOGDOCHES	63,726	0	0.0	2	3.1	2	3.1	10	15.7
NEWTON	15,656	0	0.0	0	0.0	0	0.0	1	6.4
ORANGE	89,892	0	0.0	0	0.0	0	0.0	1	1.1
POLK	46,400	0	0.0	0	0.0	0	0.0	0	0.0
SABINE	10,599	0	0.0	0	0.0	0	0.0	2	18.9
SAN AUGUSTINE	9,541	0	0.0	0	0.0	0	0.0	0	0.0
SAN JACINTO	24,516	0	0.0	1	4.1	0	0.0	0	0.0
SHELBY	26,688	0	0.0	1	3.7	1	3.7	0	0.0
TRINITY	14,432	0	0.0	0	0.0	0	0.0	2	13.9
TYLER	21,397	0	0.0	0	0.0	0	0.0	0	0.0

REGIONAL TOTALS	775,924	3	0.4	5	0.6	3	0.4	20	2.6
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STATEWIDE TOTALS	23,936,227	49	0.2	281	1.2	433	1.8	1,417	5.9
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COUNTY	2007 POP.	TULAREMIA		TYPHOID FEVER		TYPHUS, MURINE	
		CASES	RATES	CASES	RATES	CASES	RATES
ANGELINA	85,211	0	0.0	0	0.0	0	0.0
HARDIN	51,583	0	0.0	0	0.0	0	0.0
HOUSTON	23,978	0	0.0	0	0.0	0	0.0
JASPER	37,562	0	0.0	0	0.0	0	0.0
JEFFERSON	254,743	0	0.0	0	0.0	0	0.0
NACOGDOCHES	63,726	0	0.0	0	0.0	0	0.0
NEWTON	15,656	0	0.0	0	0.0	0	0.0
ORANGE	89,892	0	0.0	0	0.0	0	0.0
POLK	46,400	0	0.0	0	0.0	0	0.0
SABINE	10,599	0	0.0	0	0.0	0	0.0
SAN AUGUSTINE	9,541	0	0.0	0	0.0	0	0.0
SAN JACINTO	24,516	0	0.0	0	0.0	0	0.0
SHELBY	26,688	0	0.0	0	0.0	0	0.0
TRINITY	14,432	0	0.0	0	0.0	0	0.0
TYLER	21,397	0	0.0	0	0.0	0	0.0

REGIONAL TOTALS	775,924	0	0.0	0	0.0	0	0.0
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STATEWIDE TOTALS	23,936,227	1	0.0	22	0.1	169	0.7
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**HEALTH SERVICE REGION 5 - 2007
CASES AND RATES (CASES PER 100,000 POPULATION¹)**

COUNTY	2007 POP.	VIBRIO PARAHAEMOLYTICUS		VIBRIO VULNIFICUS		VIBRIO OTHER/UNSPECIFIED		VISA	
		CASES	RATES	CASES	RATES	CASES	RATES	CASES	RATES
ANGELINA	85,211	0	0.0	0	0.0	0	0.0	0	0.0
HARDIN	51,583	0	0.0	0	0.0	0	0.0	0	0.0
HOUSTON	23,978	0	0.0	0	0.0	0	0.0	0	0.0
JASPER	37,562	0	0.0	0	0.0	0	0.0	0	0.0
JEFFERSON	254,743	1	0.4	0	0.0	0	0.0	0	0.0
NACOGDOCHES	63,726	0	0.0	1	1.6	0	0.0	0	0.0
NEWTON	15,656	0	0.0	0	0.0	0	0.0	0	0.0
ORANGE	89,892	0	0.0	0	0.0	0	0.0	0	0.0
POLK	46,400	0	0.0	0	0.0	0	0.0	0	0.0
SABINE	10,599	0	0.0	0	0.0	0	0.0	0	0.0
SAN AUGUSTINE	9,541	0	0.0	0	0.0	0	0.0	0	0.0
SAN JACINTO	24,516	0	0.0	0	0.0	0	0.0	0	0.0
SHELBY	26,688	0	0.0	0	0.0	0	0.0	0	0.0
TRINITY	14,432	0	0.0	0	0.0	0	0.0	0	0.0
TYLER	21,397	0	0.0	0	0.0	0	0.0	0	0.0

REGIONAL TOTALS	775,924	1	0.1	1	0.1	0	0.0	0	0.0
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STATEWIDE TOTALS	23,936,227	15	0.1	26	0.1	19	0.1	3	0.0
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COUNTY	2007 POP.	WEST NILE FEVER		WEST NILE NEUROINVASIVE DISEASE		YERSINIOSIS	
		CASES	RATES	CASES	RATES	CASES	RATES
ANGELINA	85,211	0	0.0	7	8.2	1	1.2
HARDIN	51,583	2	3.9	1	1.9	0	0.0
HOUSTON	23,978	0	0.0	0	0.0	0	0.0
JASPER	37,562	0	0.0	0	0.0	0	0.0
JEFFERSON	254,743	0	0.0	7	2.7	0	0.0
NACOGDOCHES	63,726	0	0.0	0	0.0	0	0.0
NEWTON	15,656	0	0.0	0	0.0	0	0.0
ORANGE	89,892	0	0.0	3	3.3	0	0.0
POLK	46,400	0	0.0	1	2.2	0	0.0
SABINE	10,599	0	0.0	0	0.0	0	0.0
SAN AUGUSTINE	9,541	0	0.0	0	0.0	0	0.0
SAN JACINTO	24,516	0	0.0	0	0.0	0	0.0
SHELBY	26,688	0	0.0	0	0.0	0	0.0
TRINITY	14,432	0	0.0	0	0.0	0	0.0
TYLER	21,397	0	0.0	0	0.0	0	0.0

REGIONAL TOTALS	775,924	2	0.3	19	2.4	1	0.1
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STATEWIDE TOTALS	23,936,227	90	0.4	170	0.7	10	0.0
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¹ DSHS Center for Health Statistics projected 2007 Texas population data <http://www.dshs.state.tx.us/chs/popdat/detailX.shtm> accessed 1/7/2005.

² Infant botulism rates are calculated using population under 1 year of age.

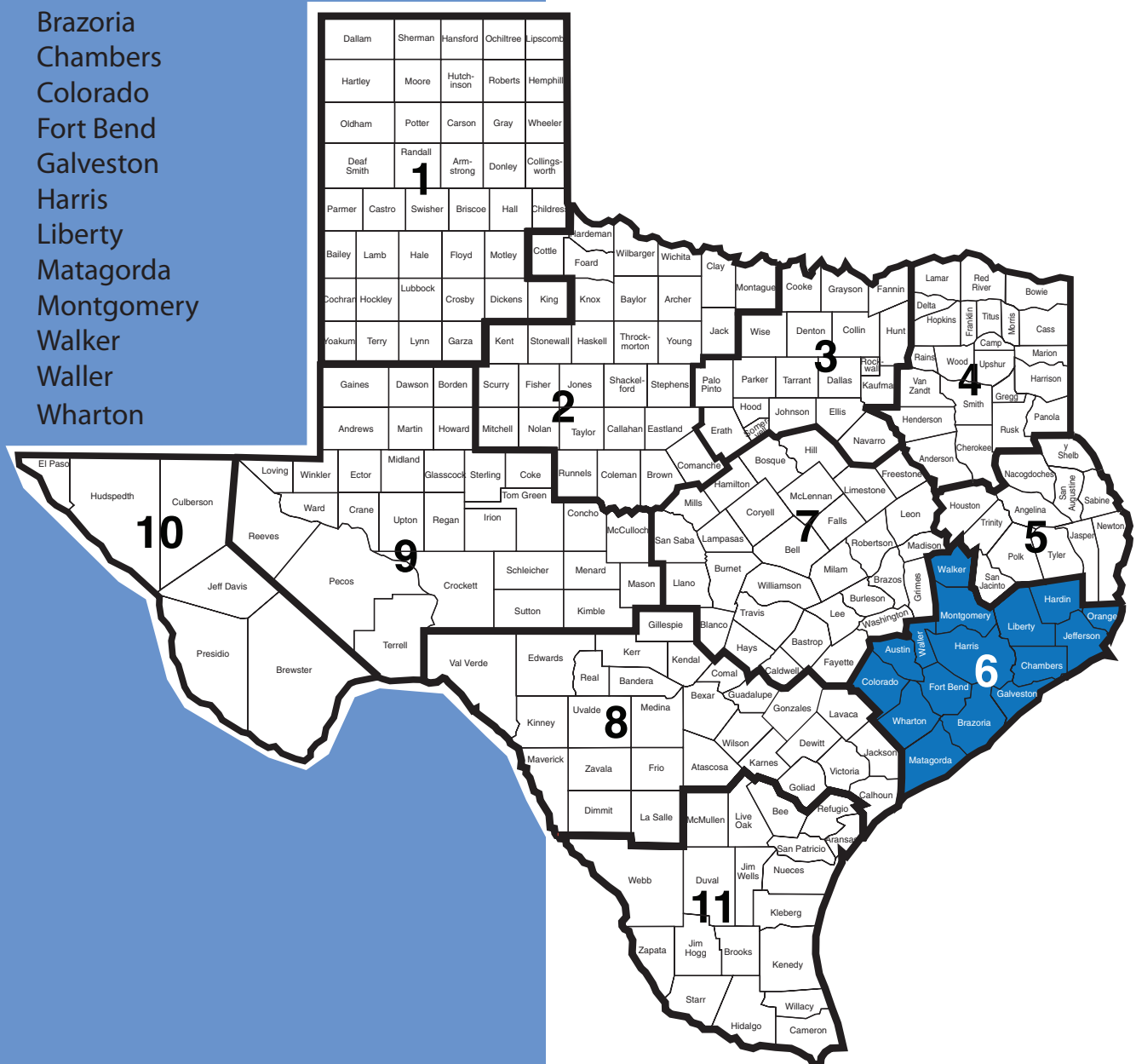
³ Perinatal hepatitis B rates are calculated using population under 2 years of age.

⁴ Pediatric influenza deaths are calculated using population under 18 years of age.

Health Service Region 6

Health Service Region 6 Counties:

- Austin
- Brazoria
- Chambers
- Colorado
- Fort Bend
- Galveston
- Harris
- Liberty
- Matagorda
- Montgomery
- Walker
- Waller
- Wharton



**HEALTH SERVICE REGION 6 - 2007
CASES AND RATES (CASES PER 100,000 POPULATION¹)**

COUNTY	2007 POP.	AMEBIASIS		BOTULISM, FOODBORNE		BOTULISM, INFANT ²		BRUCELLOSIS	
		CASES	RATES	CASES	RATES	CASES	RATES	CASES	RATES
AUSTIN	28,194	0	0.0	0	0.0	0	0.0	0	0.0
BRAZORIA	286,214	0	0.0	0	0.0	0	0.0	0	0.0
CHAMBERS	33,919	0	0.0	0	0.0	0	0.0	0	0.0
COLORADO	21,836	0	0.0	0	0.0	0	0.0	0	0.0
FORT BEND	492,103	0	0.0	0	0.0	0	0.0	0	0.0
GALVESTON	279,151	0	0.0	0	0.0	0	0.0	0	0.0
HARRIS	3,847,779	175	4.5	0	0.0	0	0.0	1	0.0
LIBERTY	83,729	0	0.0	0	0.0	0	0.0	0	0.0
MATAGORDA	40,159	0	0.0	0	0.0	0	0.0	0	0.0
MONTGOMERY	401,922	0	0.0	0	0.0	0	0.0	0	0.0
WALKER	66,770	0	0.0	0	0.0	0	0.0	0	0.0
WALLER	41,135	0	0.0	0	0.0	0	0.0	0	0.0
WHARTON	44,176	0	0.0	0	0.0	0	0.0	0	0.0

REGIONAL TOTALS	5,667,087	175	3.1	0	0.0	0	0.0	1	0.0
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STATEWIDE TOTALS	23,936,227	434	1.8	3	0.0	4	1.0	25	0.1
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COUNTY	2007 POP.	CAMPYLOBACTERIOSIS		CHICKENPOX (VARICELLA)		CHOLERA		CREUTZFELDT- JAKOB DISEASE	
		CASES	RATES	CASES	RATES	CASES	RATES	CASES	RATES
AUSTIN	28,194	1	3.5	1	3.5	0	0.0	0	0.0
BRAZORIA	286,214	5	1.7	98	34.2	0	0.0	0	0.0
CHAMBERS	33,919	2	5.9	0	0.0	0	0.0	0	0.0
COLORADO	21,836	1	4.6	0	0.0	0	0.0	0	0.0
FORT BEND	492,103	13	2.6	125	25.4	0	0.0	0	0.0
GALVESTON	279,151	10	3.6	138	49.4	0	0.0	1	0.4
HARRIS	3,847,779	148	3.8	1,052	27.3	0	0.0	1	0.0
LIBERTY	83,729	3	3.6	10	11.9	0	0.0	0	0.0
MATAGORDA	40,159	1	2.5	4	10.0	0	0.0	0	0.0
MONTGOMERY	401,922	19	4.7	74	18.4	0	0.0	0	0.0
WALKER	66,770	0	0.0	8	12.0	0	0.0	0	0.0
WALLER	41,135	2	4.9	4	9.7	0	0.0	0	0.0
WHARTON	44,176	0	0.0	13	29.4	0	0.0	0	0.0

REGIONAL TOTALS	5,667,087	205	3.6	1,527	26.9	0	0.0	2	0.0
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STATEWIDE TOTALS	23,936,227	1,690	7.1	10061	42.0	1	0.0	14	0.1
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**HEALTH SERVICE REGION 6 - 2007
CASES AND RATES (CASES PER 100,000 POPULATION¹)**

COUNTY	2007 POP.	CRYPTOSPORIDIOSIS		CYCLOSPORIASIS		CYSTICERCOSIS		DENGUE FEVER	
		CASES	RATES	CASES	RATES	CASES	RATES	CASES	RATES
AUSTIN	28,194	0	0.0	0	0.0	0	0.0	0	0.0
BRAZORIA	286,214	0	0.0	0	0.0	0	0.0	0	0.0
CHAMBERS	33,919	0	0.0	0	0.0	0	0.0	0	0.0
COLORADO	21,836	0	0.0	0	0.0	0	0.0	0	0.0
FORT BEND	492,103	1	0.2	0	0.0	0	0.0	1	0.2
GALVESTON	279,151	0	0.0	0	0.0	0	0.0	2	0.7
HARRIS	3,847,779	12	0.3	0	0.0	0	0.0	7	0.2
LIBERTY	83,729	0	0.0	0	0.0	0	0.0	0	0.0
MATAGORDA	40,159	0	0.0	0	0.0	0	0.0	0	0.0
MONTGOMERY	401,922	0	0.0	0	0.0	0	0.0	1	0.2
WALKER	66,770	2	3.0	0	0.0	0	0.0	0	0.0
WALLER	41,135	0	0.0	0	0.0	0	0.0	0	0.0
WHARTON	44,176	0	0.0	0	0.0	0	0.0	0	0.0

REGIONAL TOTALS	5,667,087	15	0.3	0	0.0	0	0.0	11	0.2
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STATEWIDE TOTALS	23,936,227	233	1.0	2	0.0	3	0.0	32	0.1
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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
AUSTIN	28,194	0	0.0	0	0.0	0	0.0	0	0.0
BRAZORIA	286,214	0	0.0	0	0.0	0	0.0	0	0.0
CHAMBERS	33,919	0	0.0	0	0.0	0	0.0	0	0.0
COLORADO	21,836	0	0.0	0	0.0	0	0.0	0	0.0
FORT BEND	492,103	0	0.0	0	0.0	4	0.8	0	0.0
GALVESTON	279,151	0	0.0	0	0.0	1	0.4	1	0.4
HARRIS	3,847,779	0	0.0	4	0.1	29	0.8	3	0.1
LIBERTY	83,729	0	0.0	0	0.0	1	1.2	0	0.0
MATAGORDA	40,159	0	0.0	0	0.0	0	0.0	0	0.0
MONTGOMERY	401,922	0	0.0	0	0.0	5	1.2	2	0.5
WALKER	66,770	0	0.0	0	0.0	0	0.0	0	0.0
WALLER	41,135	0	0.0	0	0.0	0	0.0	0	0.0
WHARTON	44,176	0	0.0	0	0.0	0	0.0	0	0.0

REGIONAL TOTALS	5,667,087	0	0.0	4	0.1	40	0.7	6	0.1
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STATEWIDE TOTALS	23,936,227	32	0.1	11	0.0	210	0.9	14	0.1
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**HEALTH SERVICE REGION 6 - 2007
CASES AND RATES (CASES PER 100,000 POPULATION¹)**

COUNTY	2007 POP.	HANTAVIRUS PULMONARY SYNDROME		HEMOLYTIC UREMIC SYNDROME		HEPATITIS A, ACUTE		HEPATITIS B, ACUTE	
		CASES	RATES	CASES	RATES	CASES	RATES	CASES	RATES
AUSTIN	28,194	0	0.0	0	0.0	0	0.0	2	7.1
BRAZORIA	286,214	0	0.0	0	0.0	8	2.8	0	0.0
CHAMBERS	33,919	0	0.0	0	0.0	0	0.0	0	0.0
COLORADO	21,836	0	0.0	0	0.0	0	0.0	0	0.0
FORT BEND	492,103	0	0.0	0	0.0	7	1.4	11	2.2
GALVESTON	279,151	0	0.0	0	0.0	10	3.6	16	5.7
HARRIS	3,847,779	0	0.0	0	0.0	19	0.5	73	1.9
LIBERTY	83,729	0	0.0	0	0.0	2	2.4	0	0.0
MATAGORDA	40,159	0	0.0	0	0.0	0	0.0	2	5.0
MONTGOMERY	401,922	0	0.0	0	0.0	9	2.2	3	0.7
WALKER	66,770	0	0.0	0	0.0	2	3.0	0	0.0
WALLER	41,135	0	0.0	0	0.0	1	2.4	1	2.4
WHARTON	44,176	0	0.0	0	0.0	3	6.8	2	4.5
REGIONAL TOTALS	5,667,087	0	0.0	0	0.0	61	1.1	110	1.9
STATEWIDE TOTALS	23,936,227	3	0.0	11	0.0	264	1.1	741	3.1

COUNTY	2007 POP.	HEPATITIS B, PERINATAL ³		HEPATITIS C, ACUTE		HEPATITIS D, ACUTE		INFLUENZA-ASSOC PEDIATRIC MORTALITY ⁴	
		CASES	RATES	CASES	CASES	CASES	RATES	CASES	RATES
AUSTIN	28,194	0	0.0	0	0.0	0	0.0	0	0.0
BRAZORIA	286,214	0	0.0	0	0.0	0	0.0	1	1.3
CHAMBERS	33,919	0	0.0	0	0.0	0	0.0	0	0.0
COLORADO	21,836	0	0.0	0	0.0	0	0.0	0	0.0
FORT BEND	492,103	0	0.0	0	0.0	0	0.0	0	0.0
GALVESTON	279,151	0	0.0	0	0.0	0	0.0	0	0.0
HARRIS	3,847,779	2	1.5	0	0.0	0	0.0	4	0.4
LIBERTY	83,729	0	0.0	0	0.0	0	0.0	1	4.5
MATAGORDA	40,159	0	0.0	0	0.0	0	0.0	0	0.0
MONTGOMERY	401,922	0	0.0	1	0.2	0	0.0	1	0.9
WALKER	66,770	0	0.0	0	0.0	0	0.0	0	0.0
WALLER	41,135	0	0.0	0	0.0	0	0.0	0	0.0
WHARTON	44,176	0	0.0	0	0.0	0	0.0	0	0.0
REGIONAL TOTALS	5,667,087	2	1.1	1	0.0	0	0.0	7	0.5
STATEWIDE TOTALS	23,936,227	3	0.4	67	0.3	2	0.0	13	0.2

**HEALTH SERVICE REGION 6 - 2007
CASES AND RATES (CASES PER 100,000 POPULATION¹)**

COUNTY	2007 POP.	LEGIONELLOSIS		LEISHMANIASIS		LISTERIOSIS		LYME DISEASE	
		CASES	RATES	CASES	RATES	CASES	RATES	CASES	RATES
AUSTIN	28,194	0	0.0	0	0.0	0	0.0	0	0.0
BRAZORIA	286,214	2	0.7	0	0.0	0	0.0	1	0.3
CHAMBERS	33,919	0	0.0	0	0.0	0	0.0	0	0.0
COLORADO	21,836	0	0.0	0	0.0	0	0.0	0	0.0
FORT BEND	492,103	1	0.2	0	0.0	3	0.6	2	0.4
GALVESTON	279,151	1	0.4	0	0.0	1	0.4	0	0.0
HARRIS	3,847,779	14	0.4	0	0.0	18	0.5	4	0.1
LIBERTY	83,729	0	0.0	0	0.0	0	0.0	0	0.0
MATAGORDA	40,159	0	0.0	0	0.0	0	0.0	0	0.0
MONTGOMERY	401,922	4	1.0	0	0.0	0	0.0	7	1.7
WALKER	66,770	1	1.5	0	0.0	0	0.0	0	0.0
WALLER	41,135	0	0.0	0	0.0	2	4.9	0	0.0
WHARTON	44,176	1	2.3	0	0.0	0	0.0	0	0.0

REGIONAL TOTALS	5,667,087	24	0.4	0	0.0	24	0.4	14	0.2
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STATEWIDE TOTALS	23,936,227	121	0.5	9	0.0	64	0.3	87	0.4
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COUNTY	2007 POP.	MALARIA		MEASLES		MENINGITIS, ASEPTIC		MENINGITIS, BACTERIAL	
		CASES	RATES	CASES	RATES	CASES	RATES	CASES	RATES
AUSTIN	28,194	0	0.0	0	0.0	1	3.5	0	0.0
BRAZORIA	286,214	3	1.0	0	0.0	7	2.4	6	2.1
CHAMBERS	33,919	0	0.0	0	0.0	0	0.0	0	0.0
COLORADO	21,836	0	0.0	0	0.0	0	0.0	0	0.0
FORT BEND	492,103	10	2.0	0	0.0	40	8.1	3	0.6
GALVESTON	279,151	1	0.4	0	0.0	23	8.2	6	2.1
HARRIS	3,847,779	40	1.0	4	0.1	293	7.6	92	2.4
LIBERTY	83,729	1	1.2	0	0.0	5	6.0	2	2.4
MATAGORDA	40,159	0	0.0	0	0.0	2	5.0	0	0.0
MONTGOMERY	401,922	0	0.0	0	0.0	50	12.4	5	1.2
WALKER	66,770	0	0.0	0	0.0	1	1.5	1	1.5
WALLER	41,135	0	0.0	0	0.0	4	9.7	3	7.3
WHARTON	44,176	0	0.0	0	0.0	3	6.8	1	2.3

REGIONAL TOTALS	5,667,087	55	1.0	4	0.1	429	7.6	119	2.1
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STATEWIDE TOTALS	23,936,227	130	0.5	7	0.0	2,126	8.9	385	1.6
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**HEALTH SERVICE REGION 6 - 2007
CASES AND RATES (CASES PER 100,000 POPULATION¹)**

COUNTY	2007 POP.	MENINGITIS, OTHER		MENINGOCOCCAL INFECTION		MUMPS		PERTUSSIS	
		CASES	RATES	CASES	RATES	CASES	RATES	CASES	RATES
AUSTIN	28,194	0	0.0	0	0.0	0	0.0	0	0.0
BRAZORIA	286,214	1	0.3	1	0.3	0	0.0	1	0.3
CHAMBERS	33,919	0	0.0	0	0.0	0	0.0	0	0.0
COLORADO	21,836	1	4.6	0	0.0	0	0.0	0	0.0
FORT BEND	492,103	1	0.2	0	0.0	0	0.0	4	0.8
GALVESTON	279,151	0	0.0	1	0.4	0	0.0	3	1.1
HARRIS	3,847,779	33	0.9	7	0.2	2	0.1	79	2.1
LIBERTY	83,729	0	0.0	0	0.0	0	0.0	0	0.0
MATAGORDA	40,159	0	0.0	0	0.0	0	0.0	0	0.0
MONTGOMERY	401,922	0	0.0	3	0.7	0	0.0	3	0.7
WALKER	66,770	1	1.5	0	0.0	0	0.0	2	3.0
WALLER	41,135	0	0.0	2	4.9	0	0.0	0	0.0
WHARTON	44,176	0	0.0	0	0.0	0	0.0	0	0.0

REGIONAL TOTALS	5,667,087	37	0.7	14	0.2	2	0.0	92	1.6
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STATEWIDE TOTALS	23,936,227	101	0.4	55	0.2	21	0.1	1,051	4.4
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COUNTY	2007 POP.	PRIMARY AMOEBIC MENINGOENCEPHALITIS		Q FEVER		SALMONELLOSIS		SHIGELLOSIS	
		CASES	RATES	CASES	RATES	CASES	RATES	CASES	RATES
AUSTIN	28,194	0	0.0	0	0.0	6	21.3	0	0.0
BRAZORIA	286,214	0	0.0	0	0.0	61	21.3	110	38.4
CHAMBERS	33,919	0	0.0	0	0.0	2	5.9	2	5.9
COLORADO	21,836	0	0.0	0	0.0	3	13.7	0	0.0
FORT BEND	492,103	0	0.0	0	0.0	69	14.0	59	12.0
GALVESTON	279,151	0	0.0	0	0.0	50	17.9	54	19.3
HARRIS	3,847,779	0	0.0	0	0.0	452	11.7	802	20.8
LIBERTY	83,729	0	0.0	0	0.0	17	20.3	16	19.1
MATAGORDA	40,159	0	0.0	0	0.0	4	10.0	2	5.0
MONTGOMERY	401,922	0	0.0	0	0.0	65	16.2	107	26.6
WALKER	66,770	0	0.0	0	0.0	5	7.5	0	0.0
WALLER	41,135	0	0.0	0	0.0	3	7.3	3	7.3
WHARTON	44,176	0	0.0	0	0.0	11	24.9	11	24.9

REGIONAL TOTALS	5,667,087	0	0.0	0	0.0	748	13.2	1,166	20.6
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STATEWIDE TOTALS	23,936,227	2	0.0	11	0.0	3,534	14.8	2,358	9.9
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**HEALTH SERVICE REGION 6 - 2007
CASES AND RATES (CASES PER 100,000 POPULATION¹)**

COUNTY	2007 POP.	SPOTTED FEVER GP RICKETTSIOSSES		STREPTOCOCCUS, GROUP A		STREPTOCOCCUS, GROUP B		STREPTOCOCCUS PNEUMONIAE	
		CASES	RATES	CASES	RATES	CASES	RATES	CASES	RATES
AUSTIN	28,194	0	0.0	0	0.0	0	0.0	1	3.5
BRAZORIA	286,214	0	0.0	1	0.3	3	1.0	4	1.4
CHAMBERS	33,919	0	0.0	0	0.0	0	0.0	0	0.0
COLORADO	21,836	0	0.0	0	0.0	1	4.6	0	0.0
FORT BEND	492,103	0	0.0	3	0.6	4	0.8	5	1.0
GALVESTON	279,151	0	0.0	2	0.7	4	1.4	16	5.7
HARRIS	3,847,779	2	0.1	59	1.5	73	1.9	231	6.0
LIBERTY	83,729	0	0.0	0	0.0	1	1.2	4	4.8
MATAGORDA	40,159	0	0.0	0	0.0	1	2.5	0	0.0
MONTGOMERY	401,922	2	0.5	4	1.0	15	3.7	26	6.5
WALKER	66,770	0	0.0	0	0.0	1	1.5	1	1.5
WALLER	41,135	0	0.0	0	0.0	1	2.4	1	2.4
WHARTON	44,176	0	0.0	1	2.3	0	0.0	1	2.3
REGIONAL TOTALS	5,667,087	4	0.1	70	1.2	104	1.8	290	5.1
STATEWIDE TOTALS	23,936,227	49	0.2	281	1.2	433	1.8	1,417	5.9

COUNTY	2007 POP.	TULAREMIA		TYPHOID FEVER		TYPHUS, MURINE	
		CASES	RATES	CASES	RATES	CASES	RATES
AUSTIN	28,194	0	0.0	0	0.0	0	0.0
BRAZORIA	286,214	0	0.0	0	0.0	0	0.0
CHAMBERS	33,919	0	0.0	0	0.0	0	0.0
COLORADO	21,836	0	0.0	0	0.0	0	0.0
FORT BEND	492,103	0	0.0	1	0.2	0	0.0
GALVESTON	279,151	0	0.0	0	0.0	0	0.0
HARRIS	3,847,779	0	0.0	4	0.1	1	0.0
LIBERTY	83,729	0	0.0	0	0.0	1	1.2
MATAGORDA	40,159	0	0.0	0	0.0	0	0.0
MONTGOMERY	401,922	0	0.0	1	0.2	0	0.0
WALKER	66,770	0	0.0	0	0.0	0	0.0
WALLER	41,135	0	0.0	0	0.0	0	0.0
WHARTON	44,176	0	0.0	0	0.0	0	0.0
REGIONAL TOTALS	5,667,087	0	0.0	6	0.1	2	0.0
STATEWIDE TOTALS	23,936,227	1	0.0	22	0.1	169	0.7

**HEALTH SERVICE REGION 6 - 2007
CASES AND RATES (CASES PER 100,000 POPULATION¹)**

COUNTY	2007 POP.	VIBRIO PARAHAEMOLYTICUS		VIBRIO VULNIFICUS		VIBRIO OTHER/UNSPECIFIED		VISA	
		CASES	RATES	CASES	RATES	CASES	RATES	CASES	RATES
AUSTIN	28,194	0	0.0	0	0.0	0	0.0	0	0.0
BRAZORIA	286,214	1	0.3	0	0.0	1	0.3	0	0.0
CHAMBERS	33,919	0	0.0	0	0.0	1	2.9	0	0.0
COLORADO	21,836	0	0.0	0	0.0	0	0.0	0	0.0
FORT BEND	492,103	0	0.0	0	0.0	0	0.0	0	0.0
GALVESTON	279,151	0	0.0	0	0.0	1	0.4	0	0.0
HARRIS	3,847,779	5	0.1	7	0.2	2	0.1	1	0.0
LIBERTY	83,729	0	0.0	1	1.2	0	0.0	0	0.0
MATAGORDA	40,159	0	0.0	1	2.5	0	0.0	0	0.0
MONTGOMERY	401,922	0	0.0	1	0.2	0	0.0	0	0.0
WALKER	66,770	0	0.0	0	0.0	1	1.5	0	0.0
WALLER	41,135	0	0.0	0	0.0	0	0.0	0	0.0
WHARTON	44,176	0	0.0	0	0.0	0	0.0	0	0.0

REGIONAL TOTALS	5,667,087	6	0.1	10	0.2	6	0.1	1	0.0
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STATEWIDE TOTALS	23,936,227	15	0.1	26	0.1	19	0.1	3	0.0
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COUNTY	2007 POP.	WEST NILE FEVER		WEST NILE NEUROINVASIVE DISEASE		YERSINIOSIS	
		CASES	RATES	CASES	RATES	CASES	RATES
AUSTIN	28,194	0	0.0	0	0.0	0	0.0
BRAZORIA	286,214	1	0.3	0	0.0	0	0.0
CHAMBERS	33,919	0	0.0	0	0.0	0	0.0
COLORADO	21,836	0	0.0	0	0.0	0	0.0
FORT BEND	492,103	0	0.0	1	0.2	0	0.0
GALVESTON	279,151	1	0.4	0	0.0	0	0.0
HARRIS	3,847,779	8	0.2	18	0.5	1	0.0
LIBERTY	83,729	1	1.2	1	1.2	0	0.0
MATAGORDA	40,159	0	0.0	0	0.0	0	0.0
MONTGOMERY	401,922	0	0.0	1	0.2	0	0.0
WALKER	66,770	0	0.0	1	1.5	0	0.0
WALLER	41,135	0	0.0	1	2.4	0	0.0
WHARTON	44,176	0	0.0	1	2.3	0	0.0

REGIONAL TOTALS	5,667,087	11	0.2	24	0.4	1	0.0
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STATEWIDE TOTALS	23,936,227	90	0.4	170	0.7	10	0.0
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¹ DSHS Center for Health Statistics projected 2007 Texas population data
<http://www.dshs.state.tx.us/chs/popdat/detailX.shtm> accessed 1/7/2005.

² Infant botulism rates are calculated using population under 1 year of age.

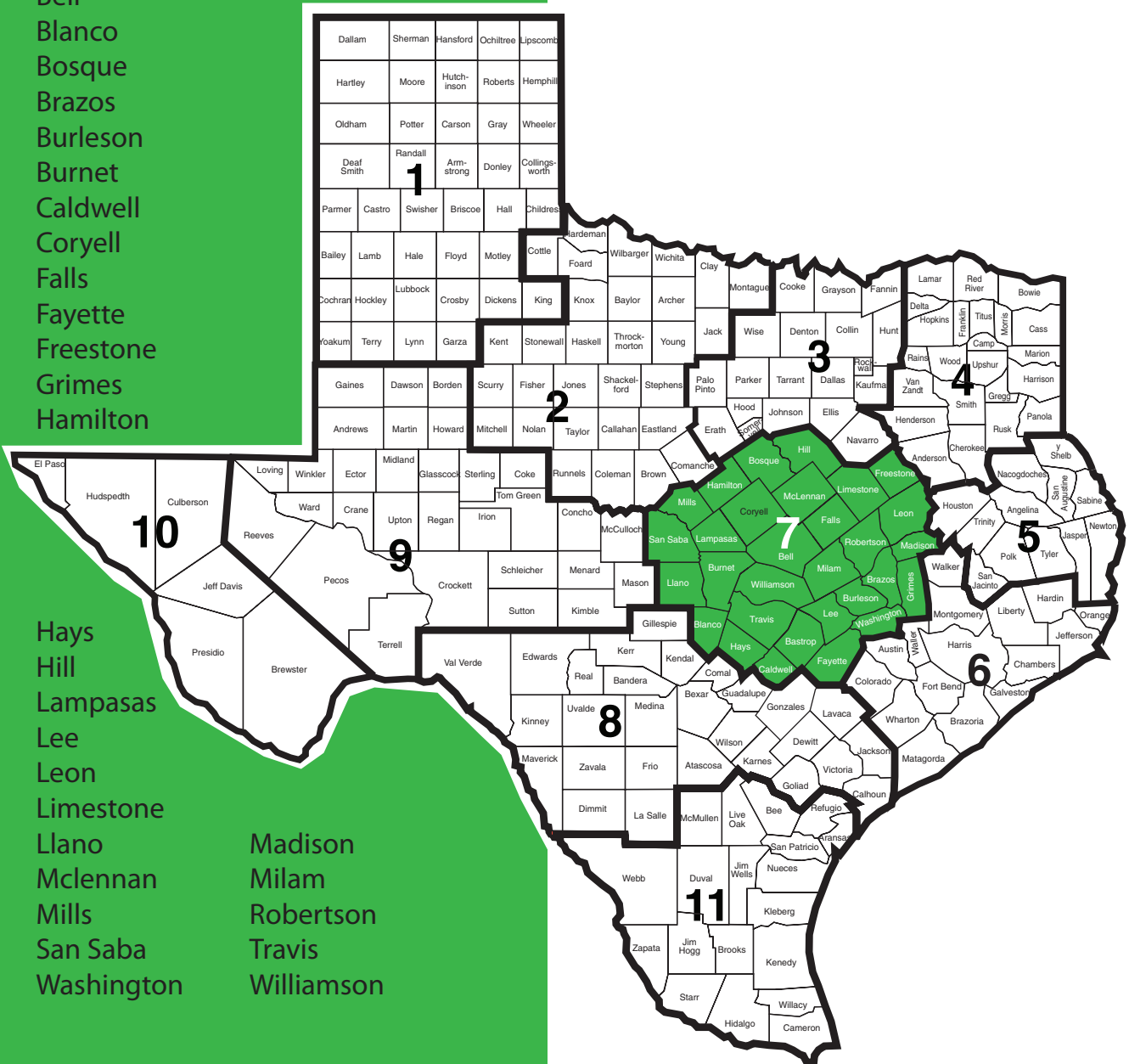
³ Perinatal hepatitis B rates are calculated using population under 2 years of age.

⁴ Pediatric influenza deaths are calculated using population under 18 years of age.

Health Service Region 7

Health Service Region 7 Counties:

Bastrop
 Bell
 Blanco
 Bosque
 Brazos
 Burleson
 Burnet
 Caldwell
 Coryell
 Falls
 Fayette
 Freestone
 Grimes
 Hamilton



Hays
 Hill
 Lampasas
 Lee
 Leon
 Limestone
 Llano
 McLennan
 Mills
 San Saba
 Washington

Madison
 Milam
 Robertson
 Travis
 Williamson

**HEALTH SERVICE REGION 7 - 2007
CASES AND RATES (CASES PER 100,000 POPULATION¹)**

COUNTY	2007 POP.	AMEBIASIS		BOTULISM, FOODBORNE		BOTULISM, INFANT ²		BRUCELLOSIS	
		CASES	RATES	CASES	RATES	CASES	RATES	CASES	RATES
BASTROP	77,666	0	0.0	0	0.0	0	0.0	0	0.0
BELL	262,333	0	0.0	0	0.0	0	0.0	0	0.0
BLANCO	9,985	0	0.0	0	0.0	0	0.0	0	0.0
BOSQUE	18,610	0	0.0	0	0.0	0	0.0	0	0.0
BRAZOS	171,043	0	0.0	0	0.0	0	0.0	0	0.0
BURLESON	18,559	0	0.0	0	0.0	0	0.0	0	0.0
BURNET	40,538	0	0.0	0	0.0	0	0.0	0	0.0
CALDWELL	41,171	0	0.0	0	0.0	0	0.0	0	0.0
CORYELL	81,625	0	0.0	0	0.0	0	0.0	0	0.0
FALLS	19,603	0	0.0	0	0.0	0	0.0	0	0.0
FAYETTE	23,958	0	0.0	0	0.0	0	0.0	1	4.2
FREESTONE	19,916	0	0.0	0	0.0	0	0.0	0	0.0
GRIMES	26,573	0	0.0	0	0.0	0	0.0	0	0.0
HAMILTON	8,561	0	0.0	0	0.0	0	0.0	0	0.0
HAYS	145,692	0	0.0	0	0.0	0	0.0	0	0.0
HILL	36,592	0	0.0	0	0.0	0	0.0	0	0.0
LAMPASAS	21,108	0	0.0	0	0.0	0	0.0	0	0.0
LEE	17,904	0	0.0	0	0.0	0	0.0	0	0.0
LEON	17,020	0	0.0	0	0.0	0	0.0	0	0.0
LIMESTONE	23,947	0	0.0	0	0.0	0	0.0	0	0.0
LLANO	19,284	0	0.0	0	0.0	0	0.0	0	0.0
MADISON	13,757	0	0.0	0	0.0	0	0.0	0	0.0
MCLENNAN	225,930	0	0.0	0	0.0	0	0.0	2	0.9
MILAM	26,689	0	0.0	0	0.0	0	0.0	0	0.0
MILLS	5,214	0	0.0	0	0.0	0	0.0	0	0.0
ROBERTSON	17,135	0	0.0	0	0.0	0	0.0	0	0.0
SAN SABA	6,559	0	0.0	0	0.0	0	0.0	0	0.0
TRAVIS	882,457	65	7.4	0	0.0	0	0.0	2	0.2
WASHINGTON	32,055	0	0.0	0	0.0	0	0.0	0	0.0
WILLIAMSON	361,637	2	0.6	0	0.0	0	0.0	0	0.0
REGIONAL TOTALS	2,673,121	67	2.5	0	0.0	0	0.0	5	0.2
STATEWIDE TOTALS	23,936,227	434	1.8	3	0.0	4	1.0	25	0.1

**HEALTH SERVICE REGION 7 - 2007
CASES AND RATES (CASES PER 100,000 POPULATION¹)**

COUNTY	2007 POP.	CAMPYLOBACTERIOSIS		CHICKENPOX (VARICELLA)		CHOLERA		CREUTZFELDT- JAKOB DISEASE	
		CASES	RATES	CASES	RATES	CASES	RATES	CASES	RATES
BASTROP	77,666	3	3.9	16	20.6	0	0.0	0	0.0
BELL	262,333	31	11.8	48	18.3	0	0.0	0	0.0
BLANCO	9,985	4	40.1	7	70.1	0	0.0	0	0.0
BOSQUE	18,610	0	0.0	1	5.4	0	0.0	0	0.0
BRAZOS	171,043	20	11.7	52	30.4	0	0.0	0	0.0
BURLESON	18,559	3	16.2	7	37.7	0	0.0	0	0.0
BURNET	40,538	0	0.0	21	51.8	0	0.0	0	0.0
CALDWELL	41,171	4	9.7	19	46.1	0	0.0	0	0.0
CORYELL	81,625	1	1.2	7	8.6	0	0.0	0	0.0
FALLS	19,603	2	10.2	3	15.3	0	0.0	0	0.0
FAYETTE	23,958	0	0.0	4	16.7	0	0.0	0	0.0
FREESTONE	19,916	1	5.0	8	40.2	0	0.0	0	0.0
GRIMES	26,573	2	7.5	2	7.5	0	0.0	0	0.0
HAMILTON	8,561	0	0.0	2	23.4	0	0.0	0	0.0
HAYS	145,692	8	5.5	129	88.5	0	0.0	0	0.0
HILL	36,592	5	13.7	17	46.5	0	0.0	0	0.0
LAMPASAS	21,108	2	9.5	3	14.2	0	0.0	0	0.0
LEE	17,904	0	0.0	3	16.8	0	0.0	0	0.0
LEON	17,020	2	11.8	3	17.6	0	0.0	0	0.0
LIMESTONE	23,947	0	0.0	5	20.9	0	0.0	0	0.0
LLANO	19,284	0	0.0	10	51.9	0	0.0	0	0.0
MADISON	13,757	3	21.8	0	0.0	0	0.0	0	0.0
MCLENNAN	225,930	10	4.4	77	34.1	0	0.0	0	0.0
MILAM	26,689	1	3.7	4	15.0	0	0.0	0	0.0
MILLS	5,214	1	19.2	0	0.0	0	0.0	0	0.0
ROBERTSON	17,135	0	0.0	0	0.0	0	0.0	0	0.0
SAN SABA	6,559	0	0.0	1	15.2	0	0.0	0	0.0
TRAVIS	882,457	151	17.1	408	46.2	0	0.0	1	0.1
WASHINGTON	32,055	0	0.0	9	28.1	0	0.0	0	0.0
WILLIAMSON	361,637	19	5.3	357	98.7	0	0.0	0	0.0
REGIONAL TOTALS	2,673,121	273	10.2	1,224	45.8	0	0.0	1	0.0
STATEWIDE TOTALS	23,936,227	1,690	7.1	10061	42.0	1	0.0	14	0.1

**HEALTH SERVICE REGION 7 - 2007
CASES AND RATES (CASES PER 100,000 POPULATION¹)**

COUNTY	2007 POP.	CRYPTOSPORIDIOSIS		CYCLOSPORIASIS		CYSTICERCOSIS		DENGUE FEVER	
		CASES	RATES	CASES	RATES	CASES	RATES	CASES	RATES
BASTROP	77,666	0	0.0	0	0.0	0	0.0	0	0.0
BELL	262,333	4	1.5	0	0.0	0	0.0	0	0.0
BLANCO	9,985	0	0.0	0	0.0	0	0.0	0	0.0
BOSQUE	18,610	0	0.0	0	0.0	0	0.0	0	0.0
BRAZOS	171,043	5	2.9	0	0.0	0	0.0	0	0.0
BURLESON	18,559	0	0.0	0	0.0	0	0.0	0	0.0
BURNET	40,538	0	0.0	0	0.0	0	0.0	0	0.0
CALDWELL	41,171	1	2.4	0	0.0	0	0.0	0	0.0
CORYELL	81,625	0	0.0	0	0.0	0	0.0	0	0.0
FALLS	19,603	0	0.0	0	0.0	0	0.0	0	0.0
FAYETTE	23,958	0	0.0	0	0.0	0	0.0	0	0.0
FREESTONE	19,916	0	0.0	0	0.0	0	0.0	0	0.0
GRIMES	26,573	0	0.0	0	0.0	0	0.0	0	0.0
HAMILTON	8,561	0	0.0	0	0.0	0	0.0	0	0.0
HAYS	145,692	0	0.0	0	0.0	0	0.0	0	0.0
HILL	36,592	0	0.0	0	0.0	0	0.0	0	0.0
LAMPASAS	21,108	1	4.7	0	0.0	0	0.0	0	0.0
LEE	17,904	0	0.0	0	0.0	0	0.0	0	0.0
LEON	17,020	0	0.0	0	0.0	0	0.0	0	0.0
LIMESTONE	23,947	0	0.0	0	0.0	0	0.0	0	0.0
LLANO	19,284	0	0.0	0	0.0	0	0.0	0	0.0
MADISON	13,757	0	0.0	0	0.0	0	0.0	0	0.0
MCLENNAN	225,930	2	0.9	0	0.0	0	0.0	0	0.0
MILAM	26,689	0	0.0	0	0.0	0	0.0	0	0.0
MILLS	5,214	0	0.0	0	0.0	0	0.0	0	0.0
ROBERTSON	17,135	1	5.8	0	0.0	0	0.0	0	0.0
SAN SABA	6,559	0	0.0	0	0.0	0	0.0	0	0.0
TRAVIS	882,457	11	1.2	0	0.0	0	0.0	6	0.7
WASHINGTON	32,055	0	0.0	0	0.0	0	0.0	0	0.0
WILLIAMSON	361,637	7	1.9	0	0.0	0	0.0	1	0.3
REGIONAL TOTALS	2,673,121	32	1.2	0	0.0	0	0.0	7	0.3
STATEWIDE TOTALS	23,936,227	233	1.0	2	0.0	3	0.0	32	0.1

**HEALTH SERVICE REGION 7 - 2007
CASES AND RATES (CASES PER 100,000 POPULATION¹)**

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
BASTROP	77,666	0	0.0	0	0.0	0	0.0	0	0.0
BELL	262,333	0	0.0	0	0.0	1	0.4	0	0.0
BLANCO	9,985	0	0.0	0	0.0	0	0.0	0	0.0
BOSQUE	18,610	0	0.0	0	0.0	0	0.0	0	0.0
BRAZOS	171,043	0	0.0	0	0.0	0	0.0	0	0.0
BURLESON	18,559	0	0.0	0	0.0	0	0.0	0	0.0
BURNET	40,538	0	0.0	0	0.0	0	0.0	0	0.0
CALDWELL	41,171	0	0.0	0	0.0	1	2.4	0	0.0
CORYELL	81,625	0	0.0	0	0.0	0	0.0	0	0.0
FALLS	19,603	0	0.0	0	0.0	0	0.0	0	0.0
FAYETTE	23,958	0	0.0	0	0.0	0	0.0	0	0.0
FREESTONE	19,916	0	0.0	0	0.0	0	0.0	0	0.0
GRIMES	26,573	0	0.0	0	0.0	0	0.0	0	0.0
HAMILTON	8,561	0	0.0	0	0.0	0	0.0	0	0.0
HAYS	145,692	0	0.0	0	0.0	0	0.0	0	0.0
HILL	36,592	0	0.0	0	0.0	0	0.0	0	0.0
LAMPASAS	21,108	0	0.0	0	0.0	0	0.0	0	0.0
LEE	17,904	0	0.0	0	0.0	0	0.0	0	0.0
LEON	17,020	0	0.0	0	0.0	1	5.9	0	0.0
LIMESTONE	23,947	0	0.0	0	0.0	0	0.0	0	0.0
LLANO	19,284	0	0.0	0	0.0	0	0.0	0	0.0
MADISON	13,757	0	0.0	0	0.0	0	0.0	0	0.0
MCLENNAN	225,930	0	0.0	0	0.0	1	0.4	0	0.0
MILAM	26,689	0	0.0	0	0.0	1	3.7	0	0.0
MILLS	5,214	0	0.0	0	0.0	0	0.0	0	0.0
ROBERTSON	17,135	0	0.0	0	0.0	0	0.0	0	0.0
SAN SABA	6,559	0	0.0	0	0.0	1	15.2	0	0.0
TRAVIS	882,457	0	0.0	1	0.1	4	0.5	0	0.0
WASHINGTON	32,055	0	0.0	0	0.0	0	0.0	0	0.0
WILLIAMSON	361,637	0	0.0	0	0.0	1	0.3	0	0.0
REGIONAL TOTALS	2,673,121	0	0.0	1	0.0	11	0.4	0	0.0
STATEWIDE TOTALS	23,936,227	32	0.1	11	0.0	210	0.9	14	0.1

**HEALTH SERVICE REGION 7 - 2007
CASES AND RATES (CASES PER 100,000 POPULATION¹)**

COUNTY	2007 POP.	HANTAVIRUS PULMONARY SYNDROME		HEMOLYTIC UREMIC SYNDROME		HEPATITIS A, ACUTE		HEPATITIS B, ACUTE	
		CASES	RATES	CASES	RATES	CASES	RATES	CASES	RATES
BASTROP	77,666	0	0.0	0	0.0	0	0.0	1	1.3
BELL	262,333	0	0.0	0	0.0	6	2.3	3	1.1
BLANCO	9,985	0	0.0	0	0.0	0	0.0	0	0.0
BOSQUE	18,610	0	0.0	0	0.0	0	0.0	1	5.4
BRAZOS	171,043	0	0.0	0	0.0	1	0.6	1	0.6
BURLESON	18,559	0	0.0	0	0.0	0	0.0	0	0.0
BURNET	40,538	0	0.0	0	0.0	0	0.0	0	0.0
CALDWELL	41,171	0	0.0	0	0.0	0	0.0	1	2.4
CORYELL	81,625	0	0.0	0	0.0	0	0.0	1	1.2
FALLS	19,603	0	0.0	0	0.0	0	0.0	0	0.0
FAYETTE	23,958	0	0.0	0	0.0	0	0.0	0	0.0
FREESTONE	19,916	0	0.0	0	0.0	1	5.0	1	5.0
GRIMES	26,573	0	0.0	0	0.0	0	0.0	0	0.0
HAMILTON	8,561	0	0.0	0	0.0	0	0.0	1	11.7
HAYS	145,692	0	0.0	0	0.0	3	2.1	5	3.4
HILL	36,592	0	0.0	0	0.0	0	0.0	0	0.0
LAMPASAS	21,108	0	0.0	0	0.0	0	0.0	1	4.7
LEE	17,904	0	0.0	0	0.0	0	0.0	0	0.0
LEON	17,020	0	0.0	1	5.9	0	0.0	0	0.0
LIMESTONE	23,947	0	0.0	0	0.0	0	0.0	0	0.0
LLANO	19,284	0	0.0	0	0.0	0	0.0	0	0.0
MADISON	13,757	0	0.0	0	0.0	0	0.0	0	0.0
MCLENNAN	225,930	0	0.0	0	0.0	3	1.3	12	5.3
MILAM	26,689	0	0.0	0	0.0	1	3.7	0	0.0
MILLS	5,214	0	0.0	0	0.0	0	0.0	0	0.0
ROBERTSON	17,135	0	0.0	0	0.0	0	0.0	0	0.0
SAN SABA	6,559	0	0.0	0	0.0	0	0.0	0	0.0
TRAVIS	882,457	0	0.0	0	0.0	11	1.2	34	3.9
WASHINGTON	32,055	0	0.0	0	0.0	0	0.0	0	0.0
WILLIAMSON	361,637	0	0.0	1	0.3	2	0.6	5	1.4
REGIONAL TOTALS	2,673,121	0	0.0	2	0.1	28	1.0	67	2.5
STATEWIDE TOTALS	23,936,227	3	0.0	11	0.0	264	1.1	741	3.1

**HEALTH SERVICE REGION 7 - 2007
CASES AND RATES (CASES PER 100,000 POPULATION¹)**

COUNTY	2007 POP.	HEPATITIS B, PERINATAL ³		HEPATITIS C, ACUTE		HEPATITIS D, ACUTE		INFLUENZA-ASSOC PEDIATRIC MORTALITY ⁴	
		CASES	RATES	CASES	CASES	CASES	RATES	CASES	RATES
BASTROP	77,666	0	0.0	0	0.0	0	0.0	0	0.0
BELL	262,333	0	0.0	0	0.0	0	0.0	0	0.0
BLANCO	9,985	0	0.0	0	0.0	0	0.0	0	0.0
BOSQUE	18,610	0	0.0	0	0.0	0	0.0	0	0.0
BRAZOS	171,043	0	0.0	0	0.0	0	0.0	0	0.0
BURLESON	18,559	0	0.0	0	0.0	0	0.0	0	0.0
BURNET	40,538	0	0.0	0	0.0	0	0.0	0	0.0
CALDWELL	41,171	0	0.0	0	0.0	0	0.0	0	0.0
CORYELL	81,625	0	0.0	0	0.0	0	0.0	0	0.0
FALLS	19,603	0	0.0	0	0.0	0	0.0	0	0.0
FAYETTE	23,958	0	0.0	0	0.0	0	0.0	0	0.0
FREESTONE	19,916	0	0.0	0	0.0	0	0.0	0	0.0
GRIMES	26,573	0	0.0	1	3.8	0	0.0	0	0.0
HAMILTON	8,561	0	0.0	0	0.0	0	0.0	0	0.0
HAYS	145,692	0	0.0	0	0.0	0	0.0	0	0.0
HILL	36,592	0	0.0	0	0.0	0	0.0	0	0.0
LAMPASAS	21,108	0	0.0	0	0.0	0	0.0	0	0.0
LEE	17,904	0	0.0	0	0.0	0	0.0	0	0.0
LEON	17,020	0	0.0	0	0.0	0	0.0	0	0.0
LIMESTONE	23,947	0	0.0	0	0.0	0	0.0	0	0.0
LLANO	19,284	0	0.0	1	5.2	0	0.0	0	0.0
MADISON	13,757	0	0.0	0	0.0	0	0.0	0	0.0
MCLENNAN	225,930	0	0.0	0	0.0	0	0.0	0	0.0
MILAM	26,689	0	0.0	0	0.0	0	0.0	0	0.0
MILLS	5,214	0	0.0	0	0.0	0	0.0	0	0.0
ROBERTSON	17,135	0	0.0	0	0.0	0	0.0	0	0.0
SAN SABA	6,559	0	0.0	0	0.0	0	0.0	0	0.0
TRAVIS	882,457	0	0.0	1	0.1	0	0.0	0	0.0
WASHINGTON	32,055	0	0.0	0	0.0	0	0.0	0	0.0
WILLIAMSON	361,637	0	0.0	2	0.6	0	0.0	1	1.0
REGIONAL TOTALS	2,673,121	0	0.0	5	0.2	0	0.0	1	0.2
STATEWIDE TOTALS	23,936,227	3	0.4	67	0.3	2	0.0	13	0.2

**HEALTH SERVICE REGION 7 - 2007
CASES AND RATES (CASES PER 100,000 POPULATION¹)**

COUNTY	2007 POP.	LEGIONELLOSIS		LEISHMANIASIS		LISTERIOSIS		LYME DISEASE	
		CASES	RATES	CASES	RATES	CASES	RATES	CASES	RATES
BASTROP	77,666	0	0.0	0	0.0	0	0.0	0	0.0
BELL	262,333	1	0.4	0	0.0	0	0.0	1	0.4
BLANCO	9,985	0	0.0	0	0.0	0	0.0	0	0.0
BOSQUE	18,610	0	0.0	0	0.0	0	0.0	0	0.0
BRAZOS	171,043	0	0.0	0	0.0	1	0.6	0	0.0
BURLESON	18,559	0	0.0	0	0.0	0	0.0	0	0.0
BURNET	40,538	0	0.0	0	0.0	0	0.0	0	0.0
CALDWELL	41,171	0	0.0	0	0.0	0	0.0	0	0.0
CORYELL	81,625	1	1.2	0	0.0	0	0.0	0	0.0
FALLS	19,603	0	0.0	0	0.0	0	0.0	0	0.0
FAYETTE	23,958	0	0.0	0	0.0	0	0.0	1	4.2
FREESTONE	19,916	0	0.0	0	0.0	0	0.0	0	0.0
GRIMES	26,573	0	0.0	0	0.0	0	0.0	2	7.5
HAMILTON	8,561	0	0.0	0	0.0	0	0.0	0	0.0
HAYS	145,692	0	0.0	0	0.0	0	0.0	1	0.7
HILL	36,592	0	0.0	1	2.7	0	0.0	0	0.0
LAMPASAS	21,108	0	0.0	0	0.0	0	0.0	0	0.0
LEE	17,904	1	5.6	0	0.0	0	0.0	0	0.0
LEON	17,020	0	0.0	0	0.0	0	0.0	0	0.0
LIMESTONE	23,947	0	0.0	0	0.0	0	0.0	0	0.0
LLANO	19,284	0	0.0	0	0.0	0	0.0	0	0.0
MADISON	13,757	0	0.0	0	0.0	0	0.0	0	0.0
MCLENNAN	225,930	0	0.0	0	0.0	0	0.0	1	0.4
MILAM	26,689	0	0.0	0	0.0	0	0.0	0	0.0
MILLS	5,214	0	0.0	0	0.0	0	0.0	0	0.0
ROBERTSON	17,135	0	0.0	0	0.0	0	0.0	0	0.0
SAN SABA	6,559	0	0.0	0	0.0	0	0.0	0	0.0
TRAVIS	882,457	2	0.2	1	0.1	1	0.1	2	0.2
WASHINGTON	32,055	0	0.0	0	0.0	0	0.0	1	3.1
WILLIAMSON	361,637	1	0.3	0	0.0	1	0.3	2	0.6
REGIONAL TOTALS	2,673,121	6	0.2	2	0.1	3	0.1	11	0.4
STATEWIDE TOTALS	23,936,227	121	0.5	9	0.0	64	0.3	87	0.4

**HEALTH SERVICE REGION 7 - 2007
CASES AND RATES (CASES PER 100,000 POPULATION¹)**

COUNTY	2007 POP.	MALARIA		MEASLES		MENINGITIS, ASEPTIC		MENINGITIS, BACTERIAL	
		CASES	RATES	CASES	RATES	CASES	RATES	CASES	RATES
BASTROP	77,666	0	0.0	0	0.0	8	10.3	4	5.2
BELL	262,333	7	2.7	0	0.0	23	8.8	6	2.3
BLANCO	9,985	0	0.0	0	0.0	0	0.0	0	0.0
BOSQUE	18,610	0	0.0	0	0.0	0	0.0	1	5.4
BRAZOS	171,043	1	0.6	0	0.0	0	0.0	2	1.2
BURLESON	18,559	0	0.0	0	0.0	0	0.0	0	0.0
BURNET	40,538	0	0.0	0	0.0	2	4.9	1	2.5
CALDWELL	41,171	0	0.0	0	0.0	3	7.3	0	0.0
CORYELL	81,625	0	0.0	0	0.0	7	8.6	3	3.7
FALLS	19,603	0	0.0	0	0.0	0	0.0	1	5.1
FAYETTE	23,958	0	0.0	0	0.0	0	0.0	0	0.0
FREESTONE	19,916	0	0.0	0	0.0	0	0.0	0	0.0
GRIMES	26,573	0	0.0	0	0.0	0	0.0	0	0.0
HAMILTON	8,561	0	0.0	0	0.0	0	0.0	0	0.0
HAYS	145,692	0	0.0	0	0.0	4	2.7	0	0.0
HILL	36,592	0	0.0	0	0.0	0	0.0	2	5.5
LAMPASAS	21,108	0	0.0	0	0.0	1	4.7	0	0.0
LEE	17,904	0	0.0	0	0.0	1	5.6	0	0.0
LEON	17,020	0	0.0	0	0.0	0	0.0	0	0.0
LIMESTONE	23,947	0	0.0	0	0.0	2	8.4	1	4.2
LLANO	19,284	0	0.0	0	0.0	5	25.9	1	5.2
MADISON	13,757	0	0.0	0	0.0	0	0.0	0	0.0
MCLENNAN	225,930	1	0.4	0	0.0	28	12.4	5	2.2
MILAM	26,689	0	0.0	0	0.0	1	3.7	0	0.0
MILLS	5,214	0	0.0	0	0.0	0	0.0	0	0.0
ROBERTSON	17,135	0	0.0	0	0.0	1	5.8	0	0.0
SAN SABA	6,559	0	0.0	0	0.0	0	0.0	0	0.0
TRAVIS	882,457	10	1.1	0	0.0	112	12.7	14	1.6
WASHINGTON	32,055	0	0.0	0	0.0	0	0.0	1	3.1
WILLIAMSON	361,637	1	0.3	0	0.0	79	21.8	5	1.4
REGIONAL TOTALS	2,673,121	20	0.7	0	0.0	277	10.4	47	1.8
STATEWIDE TOTALS	23,936,227	130	0.5	7	0.0	2,126	8.9	385	1.6

**HEALTH SERVICE REGION 7 - 2007
CASES AND RATES (CASES PER 100,000 POPULATION¹)**

COUNTY	2007 POP.	MENINGITIS, OTHER		MENINGOCOCCAL INFECTION		MUMPS		PERTUSSIS	
		CASES	RATES	CASES	RATES	CASES	RATES	CASES	RATES
BASTROP	77,666	0	0.0	0	0.0	0	0.0	4	5.2
BELL	262,333	0	0.0	0	0.0	0	0.0	5	1.9
BLANCO	9,985	0	0.0	0	0.0	0	0.0	3	30.0
BOSQUE	18,610	0	0.0	0	0.0	0	0.0	1	5.4
BRAZOS	171,043	0	0.0	2	1.2	0	0.0	2	1.2
BURLESON	18,559	0	0.0	0	0.0	0	0.0	0	0.0
BURNET	40,538	1	2.5	1	2.5	0	0.0	2	4.9
CALDWELL	41,171	0	0.0	0	0.0	0	0.0	1	2.4
CORYELL	81,625	0	0.0	0	0.0	0	0.0	1	1.2
FALLS	19,603	0	0.0	0	0.0	0	0.0	0	0.0
FAYETTE	23,958	0	0.0	0	0.0	0	0.0	0	0.0
FREESTONE	19,916	0	0.0	0	0.0	0	0.0	0	0.0
GRIMES	26,573	1	3.8	0	0.0	0	0.0	3	11.3
HAMILTON	8,561	0	0.0	0	0.0	0	0.0	0	0.0
HAYS	145,692	0	0.0	0	0.0	0	0.0	9	6.2
HILL	36,592	0	0.0	1	2.7	1	2.7	4	10.9
LAMPASAS	21,108	0	0.0	0	0.0	0	0.0	0	0.0
LEE	17,904	0	0.0	0	0.0	0	0.0	0	0.0
LEON	17,020	0	0.0	0	0.0	0	0.0	0	0.0
LIMESTONE	23,947	0	0.0	0	0.0	0	0.0	0	0.0
LLANO	19,284	0	0.0	0	0.0	0	0.0	2	10.4
MADISON	13,757	0	0.0	0	0.0	0	0.0	0	0.0
MCLENNAN	225,930	0	0.0	1	0.4	1	0.4	6	2.7
MILAM	26,689	0	0.0	0	0.0	0	0.0	0	0.0
MILLS	5,214	0	0.0	0	0.0	0	0.0	0	0.0
ROBERTSON	17,135	0	0.0	0	0.0	0	0.0	0	0.0
SAN SABA	6,559	0	0.0	0	0.0	0	0.0	0	0.0
TRAVIS	882,457	2	0.2	3	0.3	0	0.0	122	13.8
WASHINGTON	32,055	0	0.0	0	0.0	0	0.0	0	0.0
WILLIAMSON	361,637	1	0.3	1	0.3	0	0.0	109	30.1
REGIONAL TOTALS	2,673,121	5	0.2	9	0.3	2	0.1	274	10.3
STATEWIDE TOTALS	23,936,227	101	0.4	55	0.2	21	0.1	1,051	4.4

**HEALTH SERVICE REGION 7 - 2007
CASES AND RATES (CASES PER 100,000 POPULATION¹)**

COUNTY	2007 POP.	PRIMARY AMOEBIC MENINGOENCEPHALITIS		Q FEVER		SALMONELLOSIS		SHIGELLOSIS	
		CASES	RATES	CASES	RATES	CASES	RATES	CASES	RATES
BASTROP	77,666	0	0.0	0	0.0	4	5.2	0	0.0
BELL	262,333	0	0.0	4	1.5	61	23.3	16	6.1
BLANCO	9,985	0	0.0	0	0.0	1	10.0	0	0.0
BOSQUE	18,610	0	0.0	0	0.0	4	21.5	0	0.0
BRAZOS	171,043	0	0.0	0	0.0	16	9.4	12	7.0
BURLESON	18,559	0	0.0	0	0.0	3	16.2	4	21.6
BURNET	40,538	0	0.0	0	0.0	1	2.5	0	0.0
CALDWELL	41,171	0	0.0	0	0.0	9	21.9	1	2.4
CORYELL	81,625	0	0.0	0	0.0	5	6.1	0	0.0
FALLS	19,603	0	0.0	0	0.0	0	0.0	0	0.0
FAYETTE	23,958	0	0.0	0	0.0	0	0.0	0	0.0
FREESTONE	19,916	0	0.0	0	0.0	0	0.0	0	0.0
GRIMES	26,573	0	0.0	0	0.0	2	7.5	3	11.3
HAMILTON	8,561	0	0.0	0	0.0	3	35.0	0	0.0
HAYS	145,692	0	0.0	0	0.0	27	18.5	7	4.8
HILL	36,592	0	0.0	0	0.0	1	2.7	0	0.0
LAMPASAS	21,108	0	0.0	0	0.0	3	14.2	6	28.4
LEE	17,904	0	0.0	0	0.0	3	16.8	0	0.0
LEON	17,020	0	0.0	0	0.0	2	11.8	0	0.0
LIMESTONE	23,947	0	0.0	0	0.0	4	16.7	0	0.0
LLANO	19,284	0	0.0	0	0.0	1	5.2	0	0.0
MADISON	13,757	0	0.0	0	0.0	1	7.3	5	36.3
MCLENNAN	225,930	0	0.0	2	0.9	34	15.0	10	4.4
MILAM	26,689	0	0.0	0	0.0	2	7.5	0	0.0
MILLS	5,214	0	0.0	0	0.0	1	19.2	0	0.0
ROBERTSON	17,135	0	0.0	0	0.0	5	29.2	0	0.0
SAN SABA	6,559	0	0.0	1	15.2	1	15.2	0	0.0
TRAVIS	882,457	1	0.1	0	0.0	142	16.1	64	7.3
WASHINGTON	32,055	0	0.0	0	0.0	5	15.6	2	6.2
WILLIAMSON	361,637	0	0.0	1	0.3	53	14.7	122	33.7
REGIONAL TOTALS	2,673,121	1	0.0	8	0.3	394	14.7	252	9.4
STATEWIDE TOTALS	23,936,227	2	0.0	11	0.0	3,534	14.8	2,358	9.9

**HEALTH SERVICE REGION 7 - 2007
CASES AND RATES (CASES PER 100,000 POPULATION¹)**

COUNTY	2007 POP.	SPOTTED FEVER GP RICKETTSIOSES		STREPTOCOCCUS, GROUP A		STREPTOCOCCUS, GROUP B		STREPTOCOCCUS PNEUMONIAE	
		CASES	RATES	CASES	RATES	CASES	RATES	CASES	RATES
BASTROP	77,666	0	0.0	0	0.0	0	0.0	6	7.7
BELL	262,333	0	0.0	4	1.5	0	0.0	4	1.5
BLANCO	9,985	0	0.0	0	0.0	0	0.0	0	0.0
BOSQUE	18,610	0	0.0	0	0.0	0	0.0	0	0.0
BRAZOS	171,043	0	0.0	7	4.1	2	1.2	17	9.9
BURLESON	18,559	0	0.0	3	16.2	0	0.0	2	10.8
BURNET	40,538	0	0.0	1	2.5	0	0.0	3	7.4
CALDWELL	41,171	0	0.0	0	0.0	2	4.9	10	24.3
CORYELL	81,625	0	0.0	2	2.5	0	0.0	5	6.1
FALLS	19,603	0	0.0	0	0.0	0	0.0	1	5.1
FAYETTE	23,958	0	0.0	0	0.0	0	0.0	0	0.0
FREESTONE	19,916	0	0.0	0	0.0	0	0.0	0	0.0
GRIMES	26,573	0	0.0	0	0.0	1	3.8	6	22.6
HAMILTON	8,561	0	0.0	0	0.0	0	0.0	0	0.0
HAYS	145,692	0	0.0	6	4.1	1	0.7	8	5.5
HILL	36,592	0	0.0	0	0.0	1	2.7	5	13.7
LAMPASAS	21,108	0	0.0	0	0.0	0	0.0	0	0.0
LEE	17,904	0	0.0	0	0.0	0	0.0	1	5.6
LEON	17,020	0	0.0	1	5.9	0	0.0	6	35.3
LIMESTONE	23,947	0	0.0	0	0.0	0	0.0	1	4.2
LLANO	19,284	1	5.2	0	0.0	1	5.2	0	0.0
MADISON	13,757	0	0.0	0	0.0	0	0.0	5	36.3
MCLENNAN	225,930	0	0.0	0	0.0	3	1.3	4	1.8
MILAM	26,689	0	0.0	0	0.0	0	0.0	0	0.0
MILLS	5,214	0	0.0	0	0.0	0	0.0	0	0.0
ROBERTSON	17,135	0	0.0	1	5.8	0	0.0	3	17.5
SAN SABA	6,559	0	0.0	0	0.0	0	0.0	0	0.0
TRAVIS	882,457	1	0.1	14	1.6	30	3.4	111	12.6
WASHINGTON	32,055	0	0.0	1	3.1	0	0.0	4	12.5
WILLIAMSON	361,637	0	0.0	4	1.1	11	3.0	22	6.1
REGIONAL TOTALS	2,673,121	2	0.1	44	1.6	52	1.9	224	8.4
STATEWIDE TOTALS	23,936,227	49	0.2	281	1.2	433	1.8	1,417	5.9

**HEALTH SERVICE REGION 7 - 2007
CASES AND RATES (CASES PER 100,000 POPULATION¹)**

COUNTY	2007 POP.	TULAREMIA		TYPHOID FEVER		TYPHUS, MURINE	
		CASES	RATES	CASES	RATES	CASES	RATES
BASTROP	77,666	0	0.0	0	0.0	0	0.0
BELL	262,333	0	0.0	0	0.0	0	0.0
BLANCO	9,985	0	0.0	0	0.0	0	0.0
BOSQUE	18,610	0	0.0	0	0.0	0	0.0
BRAZOS	171,043	0	0.0	0	0.0	0	0.0
BURLESON	18,559	0	0.0	0	0.0	0	0.0
BURNET	40,538	0	0.0	0	0.0	0	0.0
CALDWELL	41,171	0	0.0	0	0.0	0	0.0
CORYELL	81,625	0	0.0	0	0.0	0	0.0
FALLS	19,603	0	0.0	0	0.0	0	0.0
FAYETTE	23,958	0	0.0	0	0.0	0	0.0
FREESTONE	19,916	0	0.0	0	0.0	0	0.0
GRIMES	26,573	0	0.0	0	0.0	0	0.0
HAMILTON	8,561	0	0.0	0	0.0	0	0.0
HAYS	145,692	0	0.0	0	0.0	0	0.0
HILL	36,592	0	0.0	0	0.0	0	0.0
LAMPASAS	21,108	0	0.0	0	0.0	0	0.0
LEE	17,904	0	0.0	0	0.0	0	0.0
LEON	17,020	0	0.0	0	0.0	0	0.0
LIMESTONE	23,947	0	0.0	0	0.0	0	0.0
LLANO	19,284	0	0.0	0	0.0	0	0.0
MADISON	13,757	0	0.0	0	0.0	0	0.0
MCLENNAN	225,930	0	0.0	0	0.0	0	0.0
MILAM	26,689	0	0.0	0	0.0	0	0.0
MILLS	5,214	0	0.0	0	0.0	0	0.0
ROBERTSON	17,135	0	0.0	0	0.0	0	0.0
SAN SABA	6,559	0	0.0	0	0.0	0	0.0
TRAVIS	882,457	0	0.0	1	0.1	2	0.2
WASHINGTON	32,055	0	0.0	0	0.0	0	0.0
WILLIAMSON	361,637	0	0.0	0	0.0	0	0.0
REGIONAL TOTALS	2,673,121	0	0.0	1	0.0	2	0.1
STATEWIDE TOTALS	23,936,227	1	0.0	22	0.1	169	0.7

**HEALTH SERVICE REGION 7 - 2007
CASES AND RATES (CASES PER 100,000 POPULATION¹)**

COUNTY	2007 POP.	VIBRIO PARAHAEMOLYTICUS		VIBRIO VULNIFICUS		VIBRIO OTHER/UNSPECIFIED		VISA	
		CASES	RATES	CASES	RATES	CASES	RATES	CASES	RATES
BASTROP	77,666	0	0.0	0	0.0	0	0.0	0	0.0
BELL	262,333	0	0.0	0	0.0	0	0.0	1	0.4
BLANCO	9,985	0	0.0	0	0.0	0	0.0	0	0.0
BOSQUE	18,610	0	0.0	0	0.0	0	0.0	0	0.0
BRAZOS	171,043	0	0.0	0	0.0	0	0.0	0	0.0
BURLESON	18,559	0	0.0	0	0.0	0	0.0	1	5.4
BURNET	40,538	0	0.0	0	0.0	0	0.0	0	0.0
CALDWELL	41,171	0	0.0	0	0.0	0	0.0	0	0.0
CORYELL	81,625	0	0.0	0	0.0	0	0.0	0	0.0
FALLS	19,603	0	0.0	0	0.0	0	0.0	0	0.0
FAYETTE	23,958	0	0.0	0	0.0	0	0.0	0	0.0
FREESTONE	19,916	0	0.0	0	0.0	0	0.0	0	0.0
GRIMES	26,573	0	0.0	0	0.0	0	0.0	0	0.0
HAMILTON	8,561	0	0.0	0	0.0	0	0.0	0	0.0
HAYS	145,692	0	0.0	0	0.0	0	0.0	0	0.0
HILL	36,592	0	0.0	0	0.0	0	0.0	0	0.0
LAMPASAS	21,108	0	0.0	0	0.0	0	0.0	0	0.0
LEE	17,904	0	0.0	0	0.0	0	0.0	0	0.0
LEON	17,020	0	0.0	0	0.0	0	0.0	0	0.0
LIMESTONE	23,947	0	0.0	0	0.0	0	0.0	0	0.0
LLANO	19,284	0	0.0	0	0.0	0	0.0	0	0.0
MADISON	13,757	0	0.0	0	0.0	0	0.0	0	0.0
MCLENNAN	225,930	0	0.0	0	0.0	0	0.0	0	0.0
MILAM	26,689	0	0.0	0	0.0	0	0.0	0	0.0
MILLS	5,214	0	0.0	0	0.0	0	0.0	0	0.0
ROBERTSON	17,135	0	0.0	0	0.0	0	0.0	0	0.0
SAN SABA	6,559	0	0.0	0	0.0	0	0.0	0	0.0
TRAVIS	882,457	0	0.0	1	0.1	2	0.2	0	0.0
WASHINGTON	32,055	0	0.0	0	0.0	0	0.0	0	0.0
WILLIAMSON	361,637	0	0.0	0	0.0	0	0.0	0	0.0
REGIONAL TOTALS	2,673,121	0	0.0	1	0.0	2	0.1	2	0.1
STATEWIDE TOTALS	23,936,227	15	0.1	26	0.1	19	0.1	3	0.0

**HEALTH SERVICE REGION 7 - 2007
CASES AND RATES (CASES PER 100,000 POPULATION¹)**

COUNTY	2007 POP.	WEST NILE FEVER		WEST NILE NEUROINVASIVE DISEASE		YERSINIOSIS	
		CASES	RATES	CASES	RATES	CASES	RATES
BASTROP	77,666	0	0.0	0	0.0	0	0.0
BELL	262,333	0	0.0	1	0.4	0	0.0
BLANCO	9,985	0	0.0	0	0.0	0	0.0
BOSQUE	18,610	0	0.0	0	0.0	0	0.0
BRAZOS	171,043	1	0.6	1	0.6	0	0.0
BURLESON	18,559	0	0.0	0	0.0	0	0.0
BURNET	40,538	0	0.0	0	0.0	1	2.5
CALDWELL	41,171	0	0.0	0	0.0	0	0.0
CORYELL	81,625	0	0.0	1	1.2	0	0.0
FALLS	19,603	0	0.0	0	0.0	0	0.0
FAYETTE	23,958	0	0.0	0	0.0	0	0.0
FREESTONE	19,916	0	0.0	1	5.0	0	0.0
GRIMES	26,573	0	0.0	0	0.0	0	0.0
HAMILTON	8,561	0	0.0	0	0.0	0	0.0
HAYS	145,692	0	0.0	0	0.0	0	0.0
HILL	36,592	0	0.0	0	0.0	0	0.0
LAMPASAS	21,108	0	0.0	0	0.0	0	0.0
LEE	17,904	0	0.0	0	0.0	0	0.0
LEON	17,020	0	0.0	0	0.0	0	0.0
LIMESTONE	23,947	0	0.0	0	0.0	0	0.0
LLANO	19,284	0	0.0	0	0.0	1	5.2
MADISON	13,757	0	0.0	0	0.0	0	0.0
MCLENNAN	225,930	0	0.0	0	0.0	2	0.9
MILAM	26,689	0	0.0	1	3.7	0	0.0
MILLS	5,214	1	19.2	0	0.0	0	0.0
ROBERTSON	17,135	0	0.0	0	0.0	0	0.0
SAN SABA	6,559	0	0.0	0	0.0	0	0.0
TRAVIS	882,457	2	0.2	6	0.7	0	0.0
WASHINGTON	32,055	0	0.0	0	0.0	0	0.0
WILLIAMSON	361,637	0	0.0	0	0.0	1	0.3
REGIONAL TOTALS	2,673,121	4	0.1	11	0.4	5	0.2
STATEWIDE TOTALS	23,936,227	90	0.4	170	0.7	10	0.0

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

² Infant botulism rates are calculated using population under 1 year of age.

³ Perinatal hepatitis B rates are calculated using population under 2 years of age.

⁴ Pediatric influenza deaths are calculated using population under 18 years of age.

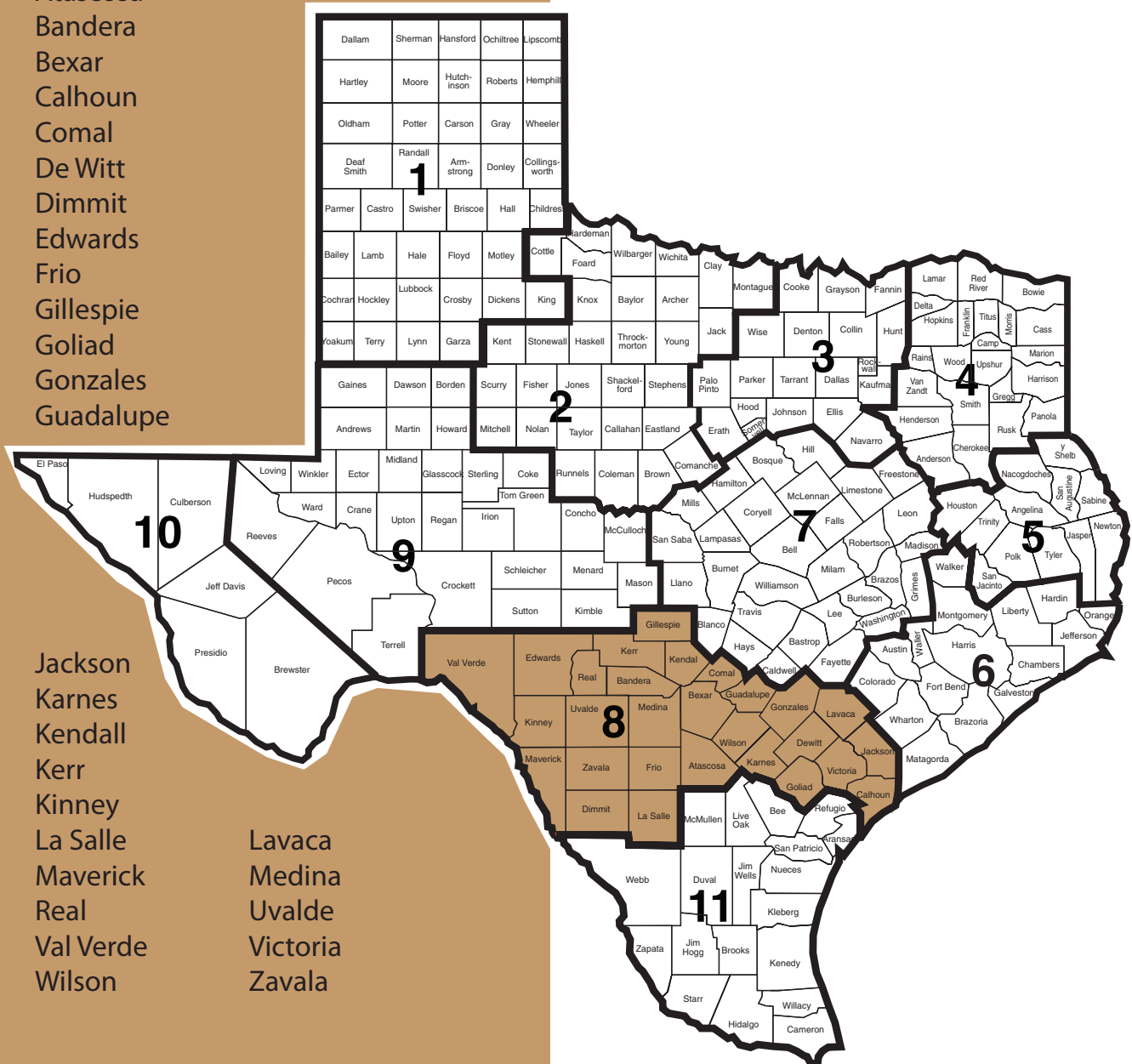
Health Service Region 8

Health Service Region 8 Counties:

Atascosa
 Bandera
 Bexar
 Calhoun
 Comal
 De Witt
 Dimmit
 Edwards
 Frio
 Gillespie
 Goliad
 Gonzales
 Guadalupe

Jackson
 Karnes
 Kendall
 Kerr
 Kinney
 La Salle
 Maverick
 Real
 Val Verde
 Wilson

Lavaca
 Medina
 Uvalde
 Victoria
 Zavala



**HEALTH SERVICE REGION 8 - 2007
CASES AND RATES (CASES PER 100,000 POPULATION¹)**

COUNTY	2007 POP.	AMEBIASIS		BOTULISM, FOODBORNE		BOTULISM, INFANT ²		BRUCELLOSIS	
		CASES	RATES	CASES	RATES	CASES	RATES	CASES	RATES
ATASCOSA	44,921	2	4.5	0	0.0	0	0.0	0	0.0
BANDERA	21,665	0	0.0	0	0.0	0	0.0	0	0.0
BEXAR	1,533,677	22	1.4	0	0.0	1	4.0	4	0.3
CALHOUN	22,563	0	0.0	0	0.0	0	0.0	0	0.0
COMAL	98,315	0	0.0	0	0.0	0	0.0	0	0.0
DE WITT	20,855	0	0.0	0	0.0	0	0.0	0	0.0
DIMMIT	10,740	0	0.0	0	0.0	0	0.0	0	0.0
EDWARDS	2,250	0	0.0	0	0.0	0	0.0	0	0.0
FRIO	18,060	0	0.0	0	0.0	0	0.0	0	0.0
GILLESPIE	22,936	0	0.0	0	0.0	0	0.0	0	0.0
GOLIAD	7,589	0	0.0	0	0.0	0	0.0	0	0.0
GONZALES	20,549	0	0.0	0	0.0	0	0.0	0	0.0
GUADALUPE	109,470	0	0.0	0	0.0	0	0.0	0	0.0
JACKSON	15,463	0	0.0	0	0.0	0	0.0	0	0.0
KARNES	16,798	0	0.0	0	0.0	0	0.0	0	0.0
KENDALL	29,654	0	0.0	0	0.0	0	0.0	0	0.0
KERR	46,904	0	0.0	0	0.0	0	0.0	0	0.0
KINNEY	3,559	0	0.0	0	0.0	0	0.0	0	0.0
LA SALLE	6,574	0	0.0	0	0.0	0	0.0	0	0.0
LAVACA	19,687	0	0.0	0	0.0	0	0.0	0	0.0
MAVERICK	52,177	0	0.0	0	0.0	0	0.0	0	0.0
MEDINA	44,566	0	0.0	0	0.0	0	0.0	0	0.0
REAL	3,169	0	0.0	0	0.0	0	0.0	0	0.0
UVALDE	27,462	0	0.0	0	0.0	0	0.0	0	0.0
VAL VERDE	48,920	0	0.0	0	0.0	0	0.0	0	0.0
VICTORIA	89,942	0	0.0	0	0.0	0	0.0	0	0.0
WILSON	40,773	1	2.5	0	0.0	0	0.0	0	0.0
ZAVALA	12,458	0	0.0	0	0.0	0	0.0	0	0.0
REGIONAL TOTALS	2,391,696	25	1.0	0	0.0	1	2.7	4	0.2
STATEWIDE TOTALS	23,936,227	434	1.8	3	0.0	4	1.0	25	0.1

**HEALTH SERVICE REGION 8 - 2007
CASES AND RATES (CASES PER 100,000 POPULATION¹)**

COUNTY	2007 POP.	CAMPYLOBACTERIOSIS		CHICKENPOX (VARICELLA)		CHOLERA		CREUTZFELDT- JAKOB DISEASE	
		CASES	RATES	CASES	RATES	CASES	RATES	CASES	RATES
ATASCOSA	44,921	2	4.5	96	213.7	0	0.0	0	0.0
BANDERA	21,665	1	4.6	10	46.2	0	0.0	0	0.0
BEXAR	1,533,677	157	10.2	683	44.5	0	0.0	1	0.1
CALHOUN	22,563	0	0.0	0	0.0	0	0.0	0	0.0
COMAL	98,315	5	5.1	41	41.7	0	0.0	0	0.0
DE WITT	20,855	2	9.6	64	306.9	0	0.0	0	0.0
DIMITT	10,740	0	0.0	10	93.1	0	0.0	0	0.0
EDWARDS	2,250	0	0.0	1	44.4	0	0.0	0	0.0
FRIO	18,060	2	11.1	5	27.7	0	0.0	0	0.0
GILLESPIE	22,936	2	8.7	16	69.8	0	0.0	0	0.0
GOLIAD	7,589	2	26.4	3	39.5	0	0.0	0	0.0
GONZALES	20,549	2	9.7	6	29.2	0	0.0	0	0.0
GUADALUPE	109,470	14	12.8	22	20.1	0	0.0	0	0.0
JACKSON	15,463	0	0.0	36	232.8	0	0.0	1	6.5
KARNES	16,798	2	11.9	4	23.8	0	0.0	0	0.0
KENDALL	29,654	1	3.4	26	87.7	0	0.0	0	0.0
KERR	46,904	3	6.4	37	78.9	0	0.0	0	0.0
KINNEY	3,559	1	28.1	1	28.1	0	0.0	0	0.0
LA SALLE	6,574	0	0.0	1	15.2	0	0.0	0	0.0
LAVACA	19,687	2	10.2	7	35.6	0	0.0	0	0.0
MAVERICK	52,177	1	1.9	63	120.7	0	0.0	0	0.0
MEDINA	44,566	2	4.5	20	44.9	0	0.0	0	0.0
REAL	3,169	0	0.0	0	0.0	0	0.0	0	0.0
UVALDE	27,462	0	0.0	20	72.8	0	0.0	0	0.0
VAL VERDE	48,920	10	20.4	29	59.3	0	0.0	0	0.0
VICTORIA	89,942	6	6.7	47	52.3	0	0.0	0	0.0
WILSON	40,773	4	9.8	9	22.1	0	0.0	0	0.0
ZAVALA	12,458	1	8.0	13	104.4	0	0.0	0	0.0
REGIONAL TOTALS	2,391,696	222	9.3	1,270	53.1	0	0.0	2	0.1
STATEWIDE TOTALS	23,936,227	1,690	7.1	10061	42.0	1	0.0	14	0.1

**HEALTH SERVICE REGION 8 - 2007
CASES AND RATES (CASES PER 100,000 POPULATION¹)**

COUNTY	2007 POP.	CRYPTOSPORIDIOSIS		CYCLOSPORIASIS		CYSTICERCOSIS		DENGUE FEVER	
		CASES	RATES	CASES	RATES	CASES	RATES	CASES	RATES
ATASCOSA	44,921	0	0.0	0	0.0	0	0.0	0	0.0
BANDERA	21,665	1	4.6	0	0.0	0	0.0	0	0.0
BEXAR	1,533,677	1	0.1	0	0.0	0	0.0	1	0.1
CALHOUN	22,563	0	0.0	0	0.0	0	0.0	0	0.0
COMAL	98,315	10	10.2	0	0.0	0	0.0	0	0.0
DE WITT	20,855	0	0.0	0	0.0	0	0.0	0	0.0
DIMITT	10,740	1	9.3	0	0.0	0	0.0	0	0.0
EDWARDS	2,250	0	0.0	0	0.0	0	0.0	0	0.0
FRIO	18,060	0	0.0	0	0.0	0	0.0	0	0.0
GILLESPIE	22,936	1	4.4	0	0.0	0	0.0	0	0.0
GOLIAD	7,589	0	0.0	0	0.0	0	0.0	0	0.0
GONZALES	20,549	0	0.0	0	0.0	0	0.0	0	0.0
GUADALUPE	109,470	3	2.7	0	0.0	0	0.0	0	0.0
JACKSON	15,463	0	0.0	0	0.0	0	0.0	0	0.0
KARNES	16,798	0	0.0	0	0.0	0	0.0	0	0.0
KENDALL	29,654	3	10.1	0	0.0	0	0.0	0	0.0
KERR	46,904	3	6.4	0	0.0	0	0.0	0	0.0
KINNEY	3,559	0	0.0	0	0.0	0	0.0	0	0.0
LA SALLE	6,574	0	0.0	0	0.0	0	0.0	0	0.0
LAVACA	19,687	0	0.0	0	0.0	0	0.0	0	0.0
MAVERICK	52,177	1	1.9	0	0.0	0	0.0	0	0.0
MEDINA	44,566	0	0.0	0	0.0	0	0.0	0	0.0
REAL	3,169	0	0.0	0	0.0	0	0.0	0	0.0
UVALDE	27,462	0	0.0	0	0.0	0	0.0	0	0.0
VAL VERDE	48,920	2	4.1	0	0.0	0	0.0	0	0.0
VICTORIA	89,942	0	0.0	0	0.0	0	0.0	0	0.0
WILSON	40,773	0	0.0	0	0.0	0	0.0	0	0.0
ZAVALA	12,458	0	0.0	0	0.0	0	0.0	0	0.0
REGIONAL TOTALS	2,391,696	26	1.1	0	0.0	0	0.0	1	0.0
STATEWIDE TOTALS	23,936,227	233	1.0	2	0.0	3	0.0	32	0.1

**HEALTH SERVICE REGION 8 - 2007
CASES AND RATES (CASES PER 100,000 POPULATION¹)**

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
ATASCOSA	44,921	0	0.0	0	0.0	1	2.2	0	0.0
BANDERA	21,665	0	0.0	0	0.0	0	0.0	0	0.0
BEXAR	1,533,677	0	0.0	1	0.1	3	0.2	0	0.0
CALHOUN	22,563	0	0.0	0	0.0	1	4.4	0	0.0
COMAL	98,315	0	0.0	0	0.0	1	1.0	0	0.0
DE WITT	20,855	0	0.0	0	0.0	0	0.0	0	0.0
DIMMIT	10,740	0	0.0	0	0.0	0	0.0	0	0.0
EDWARDS	2,250	0	0.0	0	0.0	0	0.0	0	0.0
FRIO	18,060	0	0.0	0	0.0	0	0.0	0	0.0
GILLESPIE	22,936	0	0.0	0	0.0	0	0.0	0	0.0
GOLIAD	7,589	0	0.0	0	0.0	0	0.0	0	0.0
GONZALES	20,549	0	0.0	0	0.0	0	0.0	0	0.0
GUADALUPE	109,470	0	0.0	0	0.0	3	2.7	0	0.0
JACKSON	15,463	0	0.0	0	0.0	0	0.0	0	0.0
KARNES	16,798	0	0.0	0	0.0	0	0.0	0	0.0
KENDALL	29,654	0	0.0	0	0.0	1	3.4	0	0.0
KERR	46,904	0	0.0	0	0.0	1	2.1	0	0.0
KINNEY	3,559	0	0.0	0	0.0	0	0.0	0	0.0
LA SALLE	6,574	0	0.0	0	0.0	0	0.0	0	0.0
LAVACA	19,687	0	0.0	0	0.0	0	0.0	0	0.0
MAVERICK	52,177	0	0.0	0	0.0	0	0.0	0	0.0
MEDINA	44,566	0	0.0	0	0.0	1	2.2	0	0.0
REAL	3,169	0	0.0	0	0.0	0	0.0	0	0.0
UVALDE	27,462	0	0.0	0	0.0	0	0.0	0	0.0
VAL VERDE	48,920	0	0.0	0	0.0	1	2.0	0	0.0
VICTORIA	89,942	0	0.0	0	0.0	0	0.0	0	0.0
WILSON	40,773	0	0.0	0	0.0	1	2.5	0	0.0
ZAVALA	12,458	0	0.0	0	0.0	0	0.0	0	0.0
REGIONAL TOTALS	2,391,696	0	0.0	1	0.0	14	0.6	0	0.0
STATEWIDE TOTALS	23,936,227	32	0.1	11	0.0	210	0.9	14	0.1

**HEALTH SERVICE REGION 8 - 2007
CASES AND RATES (CASES PER 100,000 POPULATION¹)**

COUNTY	2007 POP.	HANTAVIRUS PULMONARY SYNDROME		HEMOLYTIC UREMIC SYNDROME		HEPATITIS A, ACUTE		HEPATITIS B, ACUTE	
		CASES	RATES	CASES	RATES	CASES	RATES	CASES	RATES
ATASCOSA	44,921	0	0.0	0	0.0	2	4.5	1	2.2
BANDERA	21,665	0	0.0	0	0.0	2	9.2	0	0.0
BEXAR	1,533,677	0	0.0	0	0.0	9	0.6	106	6.9
CALHOUN	22,563	0	0.0	0	0.0	0	0.0	0	0.0
COMAL	98,315	0	0.0	0	0.0	2	2.0	2	2.0
DE WITT	20,855	0	0.0	0	0.0	0	0.0	0	0.0
DIMMIT	10,740	0	0.0	0	0.0	0	0.0	0	0.0
EDWARDS	2,250	0	0.0	0	0.0	0	0.0	0	0.0
FRIO	18,060	0	0.0	0	0.0	0	0.0	0	0.0
GILLESPIE	22,936	0	0.0	0	0.0	0	0.0	0	0.0
GOLIAD	7,589	0	0.0	0	0.0	0	0.0	0	0.0
GONZALES	20,549	0	0.0	0	0.0	1	4.9	0	0.0
GUADALUPE	109,470	0	0.0	0	0.0	0	0.0	1	0.9
JACKSON	15,463	0	0.0	0	0.0	0	0.0	0	0.0
KARNES	16,798	0	0.0	0	0.0	1	6.0	0	0.0
KENDALL	29,654	0	0.0	0	0.0	0	0.0	1	3.4
KERR	46,904	0	0.0	0	0.0	2	4.3	2	4.3
KINNEY	3,559	0	0.0	0	0.0	0	0.0	0	0.0
LA SALLE	6,574	0	0.0	0	0.0	0	0.0	0	0.0
LAVACA	19,687	0	0.0	0	0.0	0	0.0	1	5.1
MAVERICK	52,177	0	0.0	0	0.0	0	0.0	0	0.0
MEDINA	44,566	0	0.0	0	0.0	0	0.0	1	2.2
REAL	3,169	0	0.0	0	0.0	0	0.0	1	31.6
UVALDE	27,462	0	0.0	0	0.0	0	0.0	1	3.6
VAL VERDE	48,920	0	0.0	0	0.0	0	0.0	1	2.0
VICTORIA	89,942	0	0.0	0	0.0	2	2.2	0	0.0
WILSON	40,773	0	0.0	0	0.0	0	0.0	1	2.5
ZAVALA	12,458	0	0.0	0	0.0	0	0.0	0	0.0
REGIONAL TOTALS	2,391,696	0	0.0	0	0.0	21	0.9	119	5.0
STATEWIDE TOTALS	23,936,227	3	0.0	11	0.0	264	1.1	741	3.1

**HEALTH SERVICE REGION 8 - 2007
CASES AND RATES (CASES PER 100,000 POPULATION¹)**

COUNTY	2007 POP.	HEPATITIS B, PERINATAL ³		HEPATITIS C, ACUTE		HEPATITIS D, ACUTE		INFLUENZA-ASSOC PEDIATRIC MORTALITY ⁴	
		CASES	RATES	CASES	CASES	CASES	RATES	CASES	RATES
ATASCOSA	44,921	0	0.0	1	2.2	0	0.0	0	0.0
BANDERA	21,665	0	0.0	1	4.6	0	0.0	0	0.0
BEXAR	1,533,677	0	0.0	3	0.2	0	0.0	1	0.1
CALHOUN	22,563	0	0.0	0	0.0	0	0.0	0	0.0
COMAL	98,315	0	0.0	2	2.0	0	0.0	0	0.0
DE WITT	20,855	0	0.0	0	0.0	0	0.0	0	0.0
DIMMIT	10,740	0	0.0	1	9.3	0	0.0	0	0.0
EDWARDS	2,250	0	0.0	0	0.0	0	0.0	0	0.0
FRIO	18,060	0	0.0	0	0.0	0	0.0	0	0.0
GILLESPIE	22,936	0	0.0	0	0.0	0	0.0	0	0.0
GOLIAD	7,589	0	0.0	0	0.0	0	0.0	0	0.0
GONZALES	20,549	0	0.0	0	0.0	0	0.0	0	0.0
GUADALUPE	109,470	0	0.0	2	1.8	0	0.0	1	0.9
JACKSON	15,463	0	0.0	0	0.0	0	0.0	0	0.0
KARNES	16,798	0	0.0	0	0.0	0	0.0	0	0.0
KENDALL	29,654	0	0.0	0	0.0	0	0.0	0	0.0
KERR	46,904	0	0.0	3	6.4	0	0.0	0	0.0
KINNEY	3,559	0	0.0	0	0.0	0	0.0	0	0.0
LA SALLE	6,574	0	0.0	0	0.0	0	0.0	0	0.0
LAVACA	19,687	0	0.0	0	0.0	0	0.0	0	0.0
MAVERICK	52,177	0	0.0	0	0.0	0	0.0	0	0.0
MEDINA	44,566	0	0.0	0	0.0	0	0.0	0	0.0
REAL	3,169	0	0.0	0	0.0	0	0.0	0	0.0
UVALDE	27,462	0	0.0	0	0.0	0	0.0	0	0.0
VAL VERDE	48,920	0	0.0	0	0.0	0	0.0	0	0.0
VICTORIA	89,942	0	0.0	0	0.0	0	0.0	0	0.0
WILSON	40,773	0	0.0	0	0.0	0	0.0	0	0.0
ZAVALA	12,458	0	0.0	0	0.0	0	0.0	0	0.0
REGIONAL TOTALS	2,391,696	0	0.0	13	0.5	0	0.0	2	0.1
STATEWIDE TOTALS	23,936,227	3	0.4	67	0.3	2	0.0	13	0.2

**HEALTH SERVICE REGION 8 - 2007
CASES AND RATES (CASES PER 100,000 POPULATION¹)**

COUNTY	2007 POP.	LEGIONELLOSIS		LEISHMANIASIS		LISTERIOSIS		LYME DISEASE	
		CASES	RATES	CASES	RATES	CASES	RATES	CASES	RATES
ATASCOSA	44,921	0	0.0	0	0.0	0	0.0	0	0.0
BANDERA	21,665	0	0.0	0	0.0	0	0.0	1	4.6
BEXAR	1,533,677	35	2.3	0	0.0	2	0.1	1	0.1
CALHOUN	22,563	0	0.0	0	0.0	0	0.0	0	0.0
COMAL	98,315	1	1.0	0	0.0	0	0.0	0	0.0
DE WITT	20,855	0	0.0	0	0.0	0	0.0	0	0.0
DIMITT	10,740	0	0.0	0	0.0	0	0.0	0	0.0
EDWARDS	2,250	0	0.0	0	0.0	0	0.0	0	0.0
FRIO	18,060	0	0.0	0	0.0	0	0.0	0	0.0
GILLESPIE	22,936	0	0.0	0	0.0	0	0.0	0	0.0
GOLIAD	7,589	0	0.0	0	0.0	0	0.0	0	0.0
GONZALES	20,549	0	0.0	0	0.0	0	0.0	0	0.0
GUADALUPE	109,470	0	0.0	0	0.0	0	0.0	1	0.9
JACKSON	15,463	0	0.0	0	0.0	0	0.0	0	0.0
KARNES	16,798	0	0.0	0	0.0	0	0.0	0	0.0
KENDALL	29,654	1	3.4	0	0.0	0	0.0	0	0.0
KERR	46,904	1	2.1	0	0.0	0	0.0	0	0.0
KINNEY	3,559	0	0.0	0	0.0	0	0.0	1	28.1
LA SALLE	6,574	0	0.0	0	0.0	0	0.0	0	0.0
LAVACA	19,687	0	0.0	0	0.0	0	0.0	0	0.0
MAVERICK	52,177	0	0.0	0	0.0	0	0.0	0	0.0
MEDINA	44,566	0	0.0	0	0.0	0	0.0	0	0.0
REAL	3,169	0	0.0	0	0.0	0	0.0	0	0.0
UVALDE	27,462	0	0.0	0	0.0	0	0.0	0	0.0
VAL VERDE	48,920	0	0.0	0	0.0	0	0.0	1	2.0
VICTORIA	89,942	0	0.0	0	0.0	0	0.0	1	1.1
WILSON	40,773	0	0.0	0	0.0	0	0.0	0	0.0
ZAVALA	12,458	0	0.0	0	0.0	0	0.0	0	0.0
REGIONAL TOTALS	2,391,696	38	1.6	0	0.0	2	0.1	6	0.3
STATEWIDE TOTALS	23,936,227	121	0.5	9	0.0	64	0.3	87	0.4

**HEALTH SERVICE REGION 8 - 2007
CASES AND RATES (CASES PER 100,000 POPULATION¹)**

COUNTY	2007 POP.	MALARIA		MEASLES		MENINGITIS, ASEPTIC		MENINGITIS, BACTERIAL	
		CASES	RATES	CASES	RATES	CASES	RATES	CASES	RATES
ATASCOSA	44,921	0	0.0	0	0.0	1	2.2	0	0.0
BANDERA	21,665	0	0.0	0	0.0	0	0.0	1	4.6
BEXAR	1,533,677	8	0.5	3	0.2	73	4.8	14	0.9
CALHOUN	22,563	0	0.0	0	0.0	0	0.0	0	0.0
COMAL	98,315	0	0.0	0	0.0	13	13.2	0	0.0
DE WITT	20,855	0	0.0	0	0.0	0	0.0	0	0.0
DIMMIT	10,740	0	0.0	0	0.0	0	0.0	0	0.0
EDWARDS	2,250	0	0.0	0	0.0	0	0.0	0	0.0
FRIO	18,060	1	5.5	0	0.0	1	5.5	0	0.0
GILLESPIE	22,936	0	0.0	0	0.0	0	0.0	1	4.4
GOLIAD	7,589	0	0.0	0	0.0	0	0.0	0	0.0
GONZALES	20,549	0	0.0	0	0.0	1	4.9	0	0.0
GUADALUPE	109,470	0	0.0	0	0.0	3	2.7	0	0.0
JACKSON	15,463	0	0.0	0	0.0	0	0.0	0	0.0
KARNES	16,798	0	0.0	0	0.0	3	17.9	0	0.0
KENDALL	29,654	0	0.0	0	0.0	2	6.7	0	0.0
KERR	46,904	0	0.0	0	0.0	11	23.5	1	2.1
KINNEY	3,559	0	0.0	0	0.0	1	28.1	0	0.0
LA SALLE	6,574	0	0.0	0	0.0	1	15.2	0	0.0
LAVACA	19,687	0	0.0	0	0.0	2	10.2	0	0.0
MAVERICK	52,177	0	0.0	0	0.0	0	0.0	0	0.0
MEDINA	44,566	0	0.0	0	0.0	0	0.0	0	0.0
REAL	3,169	0	0.0	0	0.0	2	63.1	0	0.0
UVALDE	27,462	0	0.0	0	0.0	1	3.6	0	0.0
VAL VERDE	48,920	0	0.0	0	0.0	0	0.0	0	0.0
VICTORIA	89,942	0	0.0	0	0.0	2	2.2	0	0.0
WILSON	40,773	0	0.0	0	0.0	2	4.9	1	2.5
ZAVALA	12,458	0	0.0	0	0.0	0	0.0	0	0.0
REGIONAL TOTALS	2,391,696	9	0.4	3	0.1	119	5.0	18	0.8
STATEWIDE TOTALS	23,936,227	130	0.5	7	0.0	2,126	8.9	385	1.6

**HEALTH SERVICE REGION 8 - 2007
CASES AND RATES (CASES PER 100,000 POPULATION¹)**

COUNTY	2007 POP.	MENINGITIS, OTHER		MENINGOCOCCAL INFECTION		MUMPS		PERTUSSIS	
		CASES	RATES	CASES	RATES	CASES	RATES	CASES	RATES
ATASCOSA	44,921	0	0.0	0	0.0	0	0.0	3	6.7
BANDERA	21,665	0	0.0	0	0.0	0	0.0	0	0.0
BEXAR	1,533,677	0	0.0	4	0.3	1	0.1	42	2.7
CALHOUN	22,563	0	0.0	0	0.0	0	0.0	37	164.0
COMAL	98,315	0	0.0	0	0.0	0	0.0	14	14.2
DE WITT	20,855	0	0.0	0	0.0	0	0.0	0	0.0
DIMMIT	10,740	0	0.0	0	0.0	0	0.0	0	0.0
EDWARDS	2,250	0	0.0	0	0.0	0	0.0	0	0.0
FRIO	18,060	0	0.0	0	0.0	0	0.0	0	0.0
GILLESPIE	22,936	0	0.0	0	0.0	0	0.0	1	4.4
GOLIAD	7,589	0	0.0	0	0.0	0	0.0	0	0.0
GONZALES	20,549	0	0.0	0	0.0	0	0.0	1	4.9
GUADALUPE	109,470	0	0.0	0	0.0	0	0.0	16	14.6
JACKSON	15,463	0	0.0	0	0.0	1	6.5	0	0.0
KARNES	16,798	0	0.0	0	0.0	0	0.0	0	0.0
KENDALL	29,654	0	0.0	0	0.0	0	0.0	1	3.4
KERR	46,904	0	0.0	0	0.0	2	4.3	2	4.3
KINNEY	3,559	0	0.0	0	0.0	0	0.0	0	0.0
LA SALLE	6,574	0	0.0	0	0.0	0	0.0	1	15.2
LAVACA	19,687	0	0.0	0	0.0	0	0.0	0	0.0
MAVERICK	52,177	0	0.0	0	0.0	1	1.9	0	0.0
MEDINA	44,566	0	0.0	0	0.0	0	0.0	0	0.0
REAL	3,169	0	0.0	0	0.0	0	0.0	0	0.0
UVALDE	27,462	0	0.0	0	0.0	0	0.0	1	3.6
VAL VERDE	48,920	0	0.0	0	0.0	0	0.0	0	0.0
VICTORIA	89,942	0	0.0	1	1.1	0	0.0	1	1.1
WILSON	40,773	0	0.0	1	2.5	0	0.0	4	9.8
ZAVALA	12,458	0	0.0	0	0.0	0	0.0	0	0.0
REGIONAL TOTALS	2,391,696	0	0.0	6	0.3	5	0.2	124	5.2
STATEWIDE TOTALS	23,936,227	101	0.4	55	0.2	21	0.1	1,051	4.4

**HEALTH SERVICE REGION 8 - 2007
CASES AND RATES (CASES PER 100,000 POPULATION¹)**

COUNTY	2007 POP.	PRIMARY AMOEBIC MENINGOENCEPHALITIS		Q FEVER		SALMONELLOSIS		SHIGELLOSIS	
		CASES	RATES	CASES	RATES	CASES	RATES	CASES	RATES
ATASCOSA	44,921	0	0.0	0	0.0	14	31.2	0	0.0
BANDERA	21,665	0	0.0	0	0.0	4	18.5	0	0.0
BEXAR	1,533,677	0	0.0	0	0.0	175	11.4	64	4.2
CALHOUN	22,563	0	0.0	0	0.0	3	13.3	0	0.0
COMAL	98,315	0	0.0	0	0.0	22	22.4	0	0.0
DE WITT	20,855	0	0.0	0	0.0	5	24.0	2	9.6
DIMMIT	10,740	0	0.0	0	0.0	7	65.2	0	0.0
EDWARDS	2,250	0	0.0	0	0.0	0	0.0	0	0.0
FRIO	18,060	0	0.0	0	0.0	3	16.6	0	0.0
GILLESPIE	22,936	0	0.0	0	0.0	5	21.8	0	0.0
GOLIAD	7,589	0	0.0	0	0.0	6	79.1	0	0.0
GONZALES	20,549	0	0.0	0	0.0	2	9.7	2	9.7
GUADALUPE	109,470	0	0.0	0	0.0	17	15.5	3	2.7
JACKSON	15,463	0	0.0	0	0.0	3	19.4	2	12.9
KARNES	16,798	0	0.0	0	0.0	2	11.9	0	0.0
KENDALL	29,654	0	0.0	0	0.0	5	16.9	4	13.5
KERR	46,904	0	0.0	0	0.0	12	25.6	2	4.3
KINNEY	3,559	0	0.0	0	0.0	1	28.1	0	0.0
LA SALLE	6,574	0	0.0	0	0.0	0	0.0	0	0.0
LAVACA	19,687	0	0.0	0	0.0	14	71.1	2	10.2
MAVERICK	52,177	0	0.0	0	0.0	4	7.7	0	0.0
MEDINA	44,566	0	0.0	0	0.0	1	2.2	1	2.2
REAL	3,169	0	0.0	0	0.0	0	0.0	0	0.0
UVALDE	27,462	0	0.0	0	0.0	4	14.6	0	0.0
VAL VERDE	48,920	0	0.0	0	0.0	21	42.9	1	2.0
VICTORIA	89,942	0	0.0	0	0.0	52	57.8	4	4.4
WILSON	40,773	0	0.0	0	0.0	7	17.2	0	0.0
ZAVALA	12,458	0	0.0	0	0.0	1	8.0	1	8.0
REGIONAL TOTALS	2,391,696	0	0.0	0	0.0	390	16.3	88	3.7
STATEWIDE TOTALS	23,936,227	2	0.0	11	0.0	3,534	14.8	2,358	9.9

**HEALTH SERVICE REGION 8 - 2007
CASES AND RATES (CASES PER 100,000 POPULATION¹)**

COUNTY	2007 POP.	SPOTTED FEVER GP RICKETTSIOSES		STREPTOCOCCUS, GROUP A		STREPTOCOCCUS, GROUP B		STREPTOCOCCUS PNEUMONIAE	
		CASES	RATES	CASES	RATES	CASES	RATES	CASES	RATES
ATASCOSA	44,921	0	0.0	0	0.0	0	0.0	5	11.1
BANDERA	21,665	0	0.0	0	0.0	0	0.0	1	4.6
BEXAR	1,533,677	0	0.0	13	0.8	14	0.9	74	4.8
CALHOUN	22,563	0	0.0	0	0.0	0	0.0	0	0.0
COMAL	98,315	0	0.0	1	1.0	1	1.0	0	0.0
DE WITT	20,855	0	0.0	0	0.0	0	0.0	0	0.0
DIMITT	10,740	0	0.0	1	9.3	1	9.3	0	0.0
EDWARDS	2,250	0	0.0	0	0.0	0	0.0	0	0.0
FRIO	18,060	0	0.0	0	0.0	0	0.0	0	0.0
GILLESPIE	22,936	0	0.0	0	0.0	0	0.0	1	4.4
GOLIAD	7,589	0	0.0	0	0.0	0	0.0	0	0.0
GONZALES	20,549	0	0.0	0	0.0	0	0.0	3	14.6
GUADALUPE	109,470	0	0.0	0	0.0	0	0.0	1	0.9
JACKSON	15,463	0	0.0	0	0.0	0	0.0	0	0.0
KARNES	16,798	0	0.0	0	0.0	0	0.0	0	0.0
KENDALL	29,654	0	0.0	0	0.0	0	0.0	1	3.4
KERR	46,904	0	0.0	0	0.0	0	0.0	1	2.1
KINNEY	3,559	0	0.0	0	0.0	0	0.0	0	0.0
LA SALLE	6,574	0	0.0	0	0.0	0	0.0	0	0.0
LAVACA	19,687	0	0.0	0	0.0	1	5.1	1	5.1
MAVERICK	52,177	0	0.0	0	0.0	0	0.0	0	0.0
MEDINA	44,566	0	0.0	0	0.0	0	0.0	0	0.0
REAL	3,169	0	0.0	0	0.0	0	0.0	0	0.0
UVALDE	27,462	0	0.0	0	0.0	0	0.0	0	0.0
VAL VERDE	48,920	0	0.0	0	0.0	0	0.0	0	0.0
VICTORIA	89,942	0	0.0	2	2.2	0	0.0	0	0.0
WILSON	40,773	0	0.0	1	2.5	0	0.0	0	0.0
ZAVALA	12,458	0	0.0	0	0.0	0	0.0	0	0.0
REGIONAL TOTALS	2,391,696	0	0.0	18	0.8	17	0.7	88	3.7
STATEWIDE TOTALS	23,936,227	49	0.2	281	1.2	433	1.8	1,417	5.9

**HEALTH SERVICE REGION 8 - 2007
CASES AND RATES (CASES PER 100,000 POPULATION¹)**

COUNTY	2007 POP.	TULAREMIA		TYPHOID FEVER		TYPHUS, MURINE	
		CASES	RATES	CASES	RATES	CASES	RATES
ATASCOSA	44,921	0	0.0	0	0.0	0	0.0
BANDERA	21,665	0	0.0	0	0.0	0	0.0
BEXAR	1,533,677	0	0.0	0	0.0	0	0.0
CALHOUN	22,563	0	0.0	0	0.0	0	0.0
COMAL	98,315	0	0.0	0	0.0	0	0.0
DE WITT	20,855	0	0.0	0	0.0	0	0.0
DIMMIT	10,740	0	0.0	0	0.0	1	9.3
EDWARDS	2,250	0	0.0	0	0.0	0	0.0
FRIO	18,060	0	0.0	0	0.0	0	0.0
GILLESPIE	22,936	0	0.0	0	0.0	0	0.0
GOLIAD	7,589	0	0.0	0	0.0	0	0.0
GONZALES	20,549	0	0.0	0	0.0	0	0.0
GUADALUPE	109,470	0	0.0	0	0.0	0	0.0
JACKSON	15,463	0	0.0	0	0.0	0	0.0
KARNES	16,798	0	0.0	0	0.0	0	0.0
KENDALL	29,654	0	0.0	0	0.0	0	0.0
KERR	46,904	0	0.0	0	0.0	0	0.0
KINNEY	3,559	0	0.0	0	0.0	0	0.0
LA SALLE	6,574	0	0.0	0	0.0	0	0.0
LAVACA	19,687	0	0.0	0	0.0	0	0.0
MAVERICK	52,177	0	0.0	0	0.0	0	0.0
MEDINA	44,566	0	0.0	0	0.0	0	0.0
REAL	3,169	0	0.0	0	0.0	0	0.0
UVALDE	27,462	0	0.0	0	0.0	0	0.0
VAL VERDE	48,920	0	0.0	0	0.0	0	0.0
VICTORIA	89,942	0	0.0	0	0.0	0	0.0
WILSON	40,773	0	0.0	0	0.0	0	0.0
ZAVALA	12,458	0	0.0	0	0.0	0	0.0
REGIONAL TOTALS	2,391,696	0	0.0	0	0.0	1	0.0
STATEWIDE TOTALS	23,936,227	1	0.0	22	0.1	169	0.7

**HEALTH SERVICE REGION 8 - 2007
CASES AND RATES (CASES PER 100,000 POPULATION¹)**

COUNTY	2007 POP.	VIBRIO PARAHAEMOLYTICUS		VIBRIO VULNIFICUS		VIBRIO OTHER/UNSPECIFIED		VISA	
		CASES	RATES	CASES	RATES	CASES	RATES	CASES	RATES
ATASCOSA	44,921	0	0.0	0	0.0	0	0.0	0	0.0
BANDERA	21,665	0	0.0	0	0.0	0	0.0	0	0.0
BEXAR	1,533,677	0	0.0	3	0.2	0	0.0	0	0.0
CALHOUN	22,563	1	4.4	1	4.4	0	0.0	0	0.0
COMAL	98,315	0	0.0	1	1.0	0	0.0	0	0.0
DE WITT	20,855	0	0.0	0	0.0	0	0.0	0	0.0
DIMMIT	10,740	0	0.0	0	0.0	0	0.0	0	0.0
EDWARDS	2,250	0	0.0	0	0.0	0	0.0	0	0.0
FRIO	18,060	0	0.0	0	0.0	0	0.0	0	0.0
GILLESPIE	22,936	0	0.0	0	0.0	0	0.0	0	0.0
GOLIAD	7,589	0	0.0	0	0.0	0	0.0	0	0.0
GONZALES	20,549	0	0.0	0	0.0	0	0.0	0	0.0
GUADALUPE	109,470	0	0.0	0	0.0	0	0.0	0	0.0
JACKSON	15,463	0	0.0	0	0.0	0	0.0	0	0.0
KARNES	16,798	0	0.0	0	0.0	0	0.0	0	0.0
KENDALL	29,654	0	0.0	0	0.0	0	0.0	0	0.0
KERR	46,904	0	0.0	0	0.0	1	2.1	0	0.0
KINNEY	3,559	0	0.0	0	0.0	0	0.0	0	0.0
LA SALLE	6,574	0	0.0	0	0.0	0	0.0	0	0.0
LAVACA	19,687	0	0.0	0	0.0	0	0.0	0	0.0
MAVERICK	52,177	0	0.0	0	0.0	0	0.0	0	0.0
MEDINA	44,566	0	0.0	0	0.0	2	4.5	0	0.0
REAL	3,169	0	0.0	0	0.0	0	0.0	0	0.0
UVALDE	27,462	0	0.0	0	0.0	0	0.0	0	0.0
VAL VERDE	48,920	0	0.0	0	0.0	0	0.0	0	0.0
VICTORIA	89,942	1	1.1	0	0.0	0	0.0	0	0.0
WILSON	40,773	0	0.0	0	0.0	0	0.0	0	0.0
ZAVALA	12,458	0	0.0	0	0.0	0	0.0	0	0.0
REGIONAL TOTALS	2,391,696	2	0.1	5	0.2	3	0.1	0	0.0
STATEWIDE TOTALS	23,936,227	15	0.1	26	0.1	19	0.1	3	0.0

**HEALTH SERVICE REGION 8 - 2007
CASES AND RATES (CASES PER 100,000 POPULATION¹)**

COUNTY	2007 POP.	WEST NILE FEVER		WEST NILE NEUROINVASIVE DISEASE		YERSINIOSIS	
		CASES	RATES	CASES	RATES	CASES	RATES
ATASCOSA	44,921	0	0.0	0	0.0	0	0.0
BANDERA	21,665	0	0.0	0	0.0	0	0.0
BEXAR	1,533,677	6	0.4	17	1.1	0	0.0
CALHOUN	22,563	0	0.0	0	0.0	0	0.0
COMAL	98,315	0	0.0	0	0.0	0	0.0
DE WITT	20,855	0	0.0	0	0.0	0	0.0
DIMITT	10,740	0	0.0	0	0.0	0	0.0
EDWARDS	2,250	0	0.0	0	0.0	0	0.0
FRIO	18,060	0	0.0	0	0.0	0	0.0
GILLESPIE	22,936	0	0.0	0	0.0	0	0.0
GOLIAD	7,589	0	0.0	0	0.0	0	0.0
GONZALES	20,549	0	0.0	0	0.0	0	0.0
GUADALUPE	109,470	0	0.0	0	0.0	0	0.0
JACKSON	15,463	0	0.0	0	0.0	0	0.0
KARNES	16,798	0	0.0	0	0.0	0	0.0
KENDALL	29,654	0	0.0	0	0.0	0	0.0
KERR	46,904	0	0.0	0	0.0	0	0.0
KINNEY	3,559	0	0.0	0	0.0	0	0.0
LA SALLE	6,574	0	0.0	0	0.0	0	0.0
LAVACA	19,687	0	0.0	0	0.0	0	0.0
MAVERICK	52,177	0	0.0	0	0.0	0	0.0
MEDINA	44,566	0	0.0	0	0.0	0	0.0
REAL	3,169	0	0.0	0	0.0	0	0.0
UVALDE	27,462	0	0.0	0	0.0	0	0.0
VAL VERDE	48,920	0	0.0	0	0.0	0	0.0
VICTORIA	89,942	0	0.0	0	0.0	0	0.0
WILSON	40,773	0	0.0	0	0.0	0	0.0
ZAVALA	12,458	0	0.0	0	0.0	0	0.0
REGIONAL TOTALS	2,391,696	6	0.3	17	0.7	0	0.0
STATEWIDE TOTALS	23,936,227	90	0.4	170	0.7	10	0.0

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

² Infant botulism rates are calculated using population under 1 year of age.

³ Perinatal hepatitis B rates are calculated using population under 2 years of age.

⁴ Pediatric influenza deaths are calculated using population under 18 years of age.

**HEALTH SERVICE REGION 9 - 2007
CASES AND RATES (CASES PER 100,000 POPULATION¹)**

COUNTY	2007 POP.	AMEBIASIS		BOTULISM, FOODBORNE		BOTULISM, INFANT ²		BRUCELLOSIS	
		CASES	RATES	CASES	RATES	CASES	RATES	CASES	RATES
ANDREWS	13,840	0	0.0	0	0.0	0	0.0	0	0.0
BORDEN	762	0	0.0	0	0.0	0	0.0	0	0.0
COKE	3,934	0	0.0	0	0.0	0	0.0	0	0.0
CONCHO	4,135	0	0.0	0	0.0	0	0.0	0	0.0
CRANE	4,281	0	0.0	0	0.0	0	0.0	0	0.0
CROCKETT	4,516	0	0.0	0	0.0	0	0.0	0	0.0
DAWSON	15,226	0	0.0	0	0.0	0	0.0	0	0.0
ECTOR	128,067	0	0.0	0	0.0	0	0.0	0	0.0
GAINES	15,562	0	0.0	0	0.0	0	0.0	0	0.0
GLASSCOCK	1,511	0	0.0	0	0.0	0	0.0	0	0.0
HOWARD	34,527	0	0.0	0	0.0	0	0.0	0	0.0
IRION	1,852	0	0.0	0	0.0	0	0.0	0	0.0
KIMBLE	4,670	0	0.0	0	0.0	0	0.0	0	0.0
LOVING	65	0	0.0	0	0.0	0	0.0	0	0.0
MARTIN	5,139	0	0.0	0	0.0	0	0.0	0	0.0
MASON	3,806	0	0.0	0	0.0	0	0.0	0	0.0
MCCULLOCH	8,605	0	0.0	0	0.0	0	0.0	0	0.0
MENARD	2,396	0	0.0	0	0.0	0	0.0	0	0.0
MIDLAND	120,087	0	0.0	0	0.0	0	0.0	0	0.0
PECOS	17,460	0	0.0	0	0.0	0	0.0	0	0.0
REAGAN	3,659	0	0.0	0	0.0	0	0.0	0	0.0
REEVES	13,423	0	0.0	0	0.0	0	0.0	0	0.0
SCHLEICHER	3,162	0	0.0	0	0.0	0	0.0	0	0.0
STERLING	1,466	0	0.0	0	0.0	0	0.0	0	0.0
SUTTON	4,512	0	0.0	0	0.0	0	0.0	0	0.0
TERRELL	1,101	0	0.0	0	0.0	0	0.0	0	0.0
TOM GREEN	106,205	0	0.0	0	0.0	0	0.0	0	0.0
UPTON	3,681	0	0.0	0	0.0	0	0.0	0	0.0
WARD	11,492	0	0.0	0	0.0	0	0.0	0	0.0
WINKLER	7,559	0	0.0	0	0.0	0	0.0	0	0.0
REGIONAL TOTALS	546,701	0	0.0	0	0.0	0	0.0	0	0.0
STATEWIDE TOTALS	23,936,227	434	1.8	3	0.0	4	1.0	25	0.1

**HEALTH SERVICE REGION 9 - 2007
CASES AND RATES (CASES PER 100,000 POPULATION¹)**

COUNTY	2007 POP.	CAMPYLOBACTERIOSIS		CHICKENPOX (VARICELLA)		CHOLERA		CREUTZFELDT- JAKOB DISEASE	
		CASES	RATES	CASES	RATES	CASES	RATES	CASES	RATES
ANDREWS	13,840	0	0.0	0	0.0	0	0.0	0	0.0
BORDEN	762	0	0.0	0	0.0	0	0.0	0	0.0
COKE	3,934	0	0.0	0	0.0	0	0.0	0	0.0
CONCHO	4,135	1	24.2	4	96.7	0	0.0	0	0.0
CRANE	4,281	0	0.0	1	23.4	0	0.0	0	0.0
CROCKETT	4,516	1	22.1	0	0.0	0	0.0	0	0.0
DAWSON	15,226	1	6.6	0	0.0	0	0.0	0	0.0
ECTOR	128,067	2	1.6	35	27.3	0	0.0	0	0.0
GAINES	15,562	0	0.0	0	0.0	0	0.0	0	0.0
GLASSCOCK	1,511	0	0.0	0	0.0	0	0.0	0	0.0
HOWARD	34,527	0	0.0	15	43.4	0	0.0	0	0.0
IRION	1,852	0	0.0	0	0.0	0	0.0	0	0.0
KIMBLE	4,670	2	42.8	0	0.0	0	0.0	0	0.0
LOVING	65	0	0.0	0	0.0	0	0.0	0	0.0
MARTIN	5,139	0	0.0	1	19.5	0	0.0	0	0.0
MASON	3,806	0	0.0	4	105.1	0	0.0	0	0.0
MCCULLOCH	8,605	1	11.6	1	11.6	0	0.0	0	0.0
MENARD	2,396	1	41.7	1	41.7	0	0.0	0	0.0
MIDLAND	120,087	14	11.7	240	199.9	0	0.0	0	0.0
PECOS	17,460	6	34.4	7	40.1	0	0.0	0	0.0
REAGAN	3,659	2	54.7	1	27.3	0	0.0	0	0.0
REEVES	13,423	2	14.9	1	7.4	0	0.0	0	0.0
SCHLEICHER	3,162	1	31.6	0	0.0	0	0.0	0	0.0
STERLING	1,466	1	68.2	0	0.0	0	0.0	0	0.0
SUTTON	4,512	1	22.2	0	0.0	0	0.0	0	0.0
TERRELL	1,101	0	0.0	0	0.0	0	0.0	0	0.0
TOM GREEN	106,205	11	10.4	42	39.5	0	0.0	0	0.0
UPTON	3,681	1	27.2	3	81.5	0	0.0	0	0.0
WARD	11,492	2	17.4	3	26.1	0	0.0	0	0.0
WINKLER	7,559	0	0.0	0	0.0	0	0.0	0	0.0
REGIONAL TOTALS	546,701	50	9.1	359	65.7	0	0.0	0	0.0
STATEWIDE TOTALS	23,936,227	1,690	7.1	10061	42.0	1	0.0	14	0.1

**HEALTH SERVICE REGION 9 - 2007
CASES AND RATES (CASES PER 100,000 POPULATION¹)**

COUNTY	2007 POP.	CRYPTOSPORIDIOSIS		CYCLOSPORIASIS		CYSTICERCOSIS		DENGUE FEVER	
		CASES	RATES	CASES	RATES	CASES	RATES	CASES	RATES
ANDREWS	13,840	0	0.0	0	0.0	0	0.0	0	0.0
BORDEN	762	0	0.0	0	0.0	0	0.0	0	0.0
COKE	3,934	0	0.0	0	0.0	0	0.0	0	0.0
CONCHO	4,135	0	0.0	0	0.0	0	0.0	0	0.0
CRANE	4,281	0	0.0	0	0.0	0	0.0	0	0.0
CROCKETT	4,516	0	0.0	0	0.0	0	0.0	0	0.0
DAWSON	15,226	0	0.0	0	0.0	0	0.0	0	0.0
ECTOR	128,067	0	0.0	0	0.0	0	0.0	0	0.0
GAINES	15,562	0	0.0	0	0.0	0	0.0	0	0.0
GLASSCOCK	1,511	0	0.0	0	0.0	0	0.0	0	0.0
HOWARD	34,527	0	0.0	0	0.0	0	0.0	0	0.0
IRION	1,852	0	0.0	0	0.0	0	0.0	0	0.0
KIMBLE	4,670	0	0.0	0	0.0	0	0.0	0	0.0
LOVING	65	0	0.0	0	0.0	0	0.0	0	0.0
MARTIN	5,139	0	0.0	0	0.0	0	0.0	0	0.0
MASON	3,806	0	0.0	0	0.0	0	0.0	0	0.0
MCCULLOCH	8,605	0	0.0	0	0.0	0	0.0	0	0.0
MENARD	2,396	0	0.0	0	0.0	0	0.0	0	0.0
MIDLAND	120,087	1	0.8	0	0.0	0	0.0	0	0.0
PECOS	17,460	0	0.0	0	0.0	0	0.0	0	0.0
REAGAN	3,659	0	0.0	0	0.0	0	0.0	0	0.0
REEVES	13,423	0	0.0	0	0.0	0	0.0	0	0.0
SCHLEICHER	3,162	0	0.0	0	0.0	0	0.0	0	0.0
STERLING	1,466	0	0.0	0	0.0	0	0.0	0	0.0
SUTTON	4,512	0	0.0	0	0.0	0	0.0	0	0.0
TERRELL	1,101	0	0.0	0	0.0	0	0.0	0	0.0
TOM GREEN	106,205	0	0.0	0	0.0	0	0.0	0	0.0
UPTON	3,681	0	0.0	0	0.0	0	0.0	0	0.0
WARD	11,492	0	0.0	0	0.0	0	0.0	0	0.0
WINKLER	7,559	0	0.0	0	0.0	0	0.0	0	0.0
REGIONAL TOTALS	546,701	1	0.2	0	0.0	0	0.0	0	0.0
STATEWIDE TOTALS	23,936,227	233	1.0	2	0.0	3	0.0	32	0.1

**HEALTH SERVICE REGION 9 - 2007
CASES AND RATES (CASES PER 100,000 POPULATION¹)**

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
ANDREWS	13,840	0	0.0	0	0.0	0	0.0	0	0.0
BORDEN	762	0	0.0	0	0.0	0	0.0	0	0.0
COKE	3,934	0	0.0	0	0.0	0	0.0	0	0.0
CONCHO	4,135	0	0.0	0	0.0	0	0.0	0	0.0
CRANE	4,281	0	0.0	0	0.0	0	0.0	0	0.0
CROCKETT	4,516	0	0.0	0	0.0	0	0.0	0	0.0
DAWSON	15,226	0	0.0	0	0.0	0	0.0	0	0.0
ECTOR	128,067	0	0.0	0	0.0	1	0.8	0	0.0
GAINES	15,562	0	0.0	0	0.0	0	0.0	0	0.0
GLASSCOCK	1,511	0	0.0	0	0.0	0	0.0	0	0.0
HOWARD	34,527	0	0.0	0	0.0	0	0.0	0	0.0
IRION	1,852	0	0.0	0	0.0	0	0.0	0	0.0
KIMBLE	4,670	0	0.0	0	0.0	0	0.0	0	0.0
LOVING	65	0	0.0	0	0.0	0	0.0	0	0.0
MARTIN	5,139	0	0.0	0	0.0	0	0.0	0	0.0
MASON	3,806	0	0.0	0	0.0	0	0.0	0	0.0
MCCULLOCH	8,605	0	0.0	0	0.0	0	0.0	0	0.0
MENARD	2,396	0	0.0	0	0.0	0	0.0	0	0.0
MIDLAND	120,087	0	0.0	0	0.0	1	0.8	0	0.0
PECOS	17,460	0	0.0	0	0.0	0	0.0	0	0.0
REAGAN	3,659	0	0.0	0	0.0	0	0.0	0	0.0
REEVES	13,423	0	0.0	0	0.0	0	0.0	0	0.0
SCHLEICHER	3,162	0	0.0	0	0.0	0	0.0	0	0.0
STERLING	1,466	0	0.0	0	0.0	0	0.0	0	0.0
SUTTON	4,512	0	0.0	0	0.0	0	0.0	0	0.0
TERRELL	1,101	0	0.0	0	0.0	0	0.0	0	0.0
TOM GREEN	106,205	0	0.0	0	0.0	0	0.0	0	0.0
UPTON	3,681	0	0.0	0	0.0	0	0.0	0	0.0
WARD	11,492	0	0.0	0	0.0	0	0.0	0	0.0
WINKLER	7,559	0	0.0	0	0.0	0	0.0	0	0.0
REGIONAL TOTALS	546,701	0	0.0	0	0.0	2	0.4	0	0.0
STATEWIDE TOTALS	23,936,227	32	0.1	11	0.0	210	0.9	14	0.1

**HEALTH SERVICE REGION 9 - 2007
CASES AND RATES (CASES PER 100,000 POPULATION¹)**

COUNTY	2007 POP.	HANTAVIRUS PULMONARY SYNDROME		HEMOLYTIC UREMIC SYNDROME		HEPATITIS A, ACUTE		HEPATITIS B, ACUTE	
		CASES	RATES	CASES	RATES	CASES	RATES	CASES	RATES
ANDREWS	13,840	0	0.0	0	0.0	0	0.0	0	0.0
BORDEN	762	0	0.0	0	0.0	0	0.0	0	0.0
COKE	3,934	0	0.0	0	0.0	0	0.0	0	0.0
CONCHO	4,135	0	0.0	0	0.0	0	0.0	0	0.0
CRANE	4,281	0	0.0	0	0.0	0	0.0	0	0.0
CROCKETT	4,516	0	0.0	0	0.0	0	0.0	0	0.0
DAWSON	15,226	0	0.0	0	0.0	0	0.0	0	0.0
ECTOR	128,067	0	0.0	1	0.8	0	0.0	3	2.3
GAINES	15,562	0	0.0	0	0.0	0	0.0	0	0.0
GLASSCOCK	1,511	0	0.0	0	0.0	0	0.0	0	0.0
HOWARD	34,527	0	0.0	0	0.0	1	2.9	0	0.0
IRION	1,852	0	0.0	0	0.0	0	0.0	0	0.0
KIMBLE	4,670	0	0.0	0	0.0	0	0.0	0	0.0
LOVING	65	0	0.0	0	0.0	0	0.0	0	0.0
MARTIN	5,139	0	0.0	0	0.0	0	0.0	1	19.5
MASON	3,806	0	0.0	0	0.0	0	0.0	0	0.0
MCCULLOCH	8,605	0	0.0	0	0.0	0	0.0	0	0.0
MENARD	2,396	0	0.0	0	0.0	0	0.0	0	0.0
MIDLAND	120,087	0	0.0	0	0.0	1	0.8	2	1.7
PECOS	17,460	0	0.0	0	0.0	0	0.0	1	5.7
REAGAN	3,659	0	0.0	0	0.0	0	0.0	0	0.0
REEVES	13,423	0	0.0	0	0.0	0	0.0	1	7.4
SCHLEICHER	3,162	0	0.0	0	0.0	0	0.0	0	0.0
STERLING	1,466	0	0.0	0	0.0	0	0.0	0	0.0
SUTTON	4,512	0	0.0	0	0.0	0	0.0	0	0.0
TERRELL	1,101	0	0.0	0	0.0	0	0.0	0	0.0
TOM GREEN	106,205	0	0.0	0	0.0	0	0.0	1	0.9
UPTON	3,681	0	0.0	0	0.0	0	0.0	0	0.0
WARD	11,492	0	0.0	0	0.0	0	0.0	1	8.7
WINKLER	7,559	0	0.0	0	0.0	0	0.0	1	13.2
REGIONAL TOTALS	546,701	0	0.0	1	0.2	2	0.4	11	2.0
STATEWIDE TOTALS	23,936,227	3	0.0	11	0.0	264	1.1	741	3.1

**HEALTH SERVICE REGION 9 - 2007
CASES AND RATES (CASES PER 100,000 POPULATION¹)**

COUNTY	2007 POP.	HEPATITIS B, PERINATAL ³		HEPATITIS C, ACUTE		HEPATITIS D, ACUTE		INFLUENZA-ASSOC PEDIATRIC MORTALITY ⁴	
		CASES	RATES	CASES	CASES	CASES	RATES	CASES	RATES
ANDREWS	13,840	0	0.0	0	0.0	0	0.0	0	0.0
BORDEN	762	0	0.0	0	0.0	0	0.0	0	0.0
COKE	3,934	0	0.0	0	0.0	0	0.0	0	0.0
CONCHO	4,135	0	0.0	0	0.0	0	0.0	0	0.0
CRANE	4,281	0	0.0	0	0.0	0	0.0	0	0.0
CROCKETT	4,516	0	0.0	0	0.0	0	0.0	0	0.0
DAWSON	15,226	0	0.0	0	0.0	0	0.0	0	0.0
ECTOR	128,067	0	0.0	0	0.0	0	0.0	0	0.0
GAINES	15,562	0	0.0	0	0.0	0	0.0	0	0.0
GLASSCOCK	1,511	0	0.0	0	0.0	0	0.0	0	0.0
HOWARD	34,527	0	0.0	0	0.0	0	0.0	0	0.0
IRION	1,852	0	0.0	0	0.0	0	0.0	0	0.0
KIMBLE	4,670	0	0.0	0	0.0	0	0.0	0	0.0
LOVING	65	0	0.0	0	0.0	0	0.0	0	0.0
MARTIN	5,139	0	0.0	0	0.0	0	0.0	0	0.0
MASON	3,806	0	0.0	0	0.0	0	0.0	0	0.0
MCCULLOCH	8,605	0	0.0	0	0.0	0	0.0	0	0.0
MENARD	2,396	0	0.0	0	0.0	0	0.0	0	0.0
MIDLAND	120,087	0	0.0	5	4.2	0	0.0	0	0.0
PECOS	17,460	0	0.0	0	0.0	0	0.0	0	0.0
REAGAN	3,659	0	0.0	0	0.0	0	0.0	0	0.0
REEVES	13,423	0	0.0	0	0.0	0	0.0	0	0.0
SCHLEICHER	3,162	0	0.0	0	0.0	0	0.0	0	0.0
STERLING	1,466	0	0.0	0	0.0	0	0.0	0	0.0
SUTTON	4,512	0	0.0	0	0.0	0	0.0	0	0.0
TERRELL	1,101	0	0.0	0	0.0	0	0.0	0	0.0
TOM GREEN	106,205	0	0.0	0	0.0	0	0.0	0	0.0
UPTON	3,681	0	0.0	0	0.0	0	0.0	0	0.0
WARD	11,492	0	0.0	0	0.0	0	0.0	0	0.0
WINKLER	7,559	0	0.0	0	0.0	0	0.0	0	0.0
REGIONAL TOTALS	546,701	0	0.0	5	0.9	0	0.0	0	0.0
STATEWIDE TOTALS	23,936,227	3	0.4	67	0.3	2	0.0	13	0.2

**HEALTH SERVICE REGION 9 - 2007
CASES AND RATES (CASES PER 100,000 POPULATION¹)**

COUNTY	2007 POP.	LEGIONELLOSIS		LEISHMANIASIS		LISTERIOSIS		LYME DISEASE	
		CASES	RATES	CASES	RATES	CASES	RATES	CASES	RATES
ANDREWS	13,840	0	0.0	0	0.0	0	0.0	0	0.0
BORDEN	762	0	0.0	0	0.0	0	0.0	0	0.0
COKE	3,934	0	0.0	0	0.0	0	0.0	0	0.0
CONCHO	4,135	0	0.0	0	0.0	0	0.0	0	0.0
CRANE	4,281	0	0.0	0	0.0	0	0.0	0	0.0
CROCKETT	4,516	0	0.0	0	0.0	0	0.0	0	0.0
DAWSON	15,226	0	0.0	0	0.0	0	0.0	0	0.0
ECTOR	128,067	0	0.0	0	0.0	0	0.0	0	0.0
GAINES	15,562	0	0.0	0	0.0	0	0.0	0	0.0
GLASSCOCK	1,511	0	0.0	0	0.0	0	0.0	0	0.0
HOWARD	34,527	0	0.0	0	0.0	0	0.0	0	0.0
IRION	1,852	0	0.0	0	0.0	0	0.0	0	0.0
KIMBLE	4,670	0	0.0	0	0.0	0	0.0	1	21.4
LOVING	65	0	0.0	0	0.0	0	0.0	0	0.0
MARTIN	5,139	0	0.0	0	0.0	0	0.0	0	0.0
MASON	3,806	0	0.0	0	0.0	0	0.0	0	0.0
MCCULLOCH	8,605	0	0.0	0	0.0	0	0.0	0	0.0
MENARD	2,396	0	0.0	0	0.0	0	0.0	0	0.0
MIDLAND	120,087	0	0.0	0	0.0	0	0.0	0	0.0
PECOS	17,460	0	0.0	0	0.0	0	0.0	0	0.0
REAGAN	3,659	0	0.0	0	0.0	0	0.0	0	0.0
REEVES	13,423	0	0.0	0	0.0	0	0.0	0	0.0
SCHLEICHER	3,162	0	0.0	0	0.0	0	0.0	0	0.0
STERLING	1,466	0	0.0	0	0.0	0	0.0	0	0.0
SUTTON	4,512	0	0.0	0	0.0	0	0.0	0	0.0
TERRELL	1,101	0	0.0	0	0.0	0	0.0	0	0.0
TOM GREEN	106,205	0	0.0	0	0.0	0	0.0	0	0.0
UPTON	3,681	0	0.0	0	0.0	0	0.0	0	0.0
WARD	11,492	0	0.0	0	0.0	0	0.0	0	0.0
WINKLER	7,559	0	0.0	0	0.0	0	0.0	0	0.0
REGIONAL TOTALS	546,701	0	0.0	0	0.0	0	0.0	1	0.2
STATEWIDE TOTALS	23,936,227	121	0.5	9	0.0	64	0.3	87	0.4

**HEALTH SERVICE REGION 9 - 2007
CASES AND RATES (CASES PER 100,000 POPULATION¹)**

COUNTY	2007 POP.	MALARIA		MEASLES		MENINGITIS, ASEPTIC		MENINGITIS, BACTERIAL	
		CASES	RATES	CASES	RATES	CASES	RATES	CASES	RATES
ANDREWS	13,840	0	0.0	0	0.0	0	0.0	1	7.2
BORDEN	762	0	0.0	0	0.0	0	0.0	0	0.0
COKE	3,934	0	0.0	0	0.0	2	50.8	0	0.0
CONCHO	4,135	0	0.0	0	0.0	0	0.0	0	0.0
CRANE	4,281	0	0.0	0	0.0	0	0.0	0	0.0
CROCKETT	4,516	0	0.0	0	0.0	0	0.0	0	0.0
DAWSON	15,226	0	0.0	0	0.0	0	0.0	0	0.0
ECTOR	128,067	1	0.8	0	0.0	0	0.0	2	1.6
GAINES	15,562	0	0.0	0	0.0	0	0.0	0	0.0
GLASSCOCK	1,511	0	0.0	0	0.0	0	0.0	0	0.0
HOWARD	34,527	0	0.0	0	0.0	1	2.9	2	5.8
IRION	1,852	0	0.0	0	0.0	0	0.0	0	0.0
KIMBLE	4,670	0	0.0	0	0.0	1	21.4	0	0.0
LOVING	65	0	0.0	0	0.0	0	0.0	0	0.0
MARTIN	5,139	0	0.0	0	0.0	0	0.0	0	0.0
MASON	3,806	0	0.0	0	0.0	0	0.0	0	0.0
MCCULLOCH	8,605	0	0.0	0	0.0	0	0.0	0	0.0
MENARD	2,396	0	0.0	0	0.0	1	41.7	0	0.0
MIDLAND	120,087	0	0.0	0	0.0	15	12.5	0	0.0
PECOS	17,460	0	0.0	0	0.0	0	0.0	0	0.0
REAGAN	3,659	0	0.0	0	0.0	0	0.0	0	0.0
REEVES	13,423	0	0.0	0	0.0	0	0.0	0	0.0
SCHLEICHER	3,162	0	0.0	0	0.0	1	31.6	1	31.6
STERLING	1,466	0	0.0	0	0.0	0	0.0	0	0.0
SUTTON	4,512	0	0.0	0	0.0	0	0.0	0	0.0
TERRELL	1,101	0	0.0	0	0.0	0	0.0	0	0.0
TOM GREEN	106,205	0	0.0	0	0.0	25	23.5	5	4.7
UPTON	3,681	0	0.0	0	0.0	0	0.0	0	0.0
WARD	11,492	0	0.0	0	0.0	0	0.0	0	0.0
WINKLER	7,559	0	0.0	0	0.0	0	0.0	1	13.2
REGIONAL TOTALS	546,701	1	0.2	0	0.0	46	8.4	12	2.2
STATEWIDE TOTALS	23,936,227	130	0.5	7	0.0	2,126	8.9	385	1.6

**HEALTH SERVICE REGION 9 - 2007
CASES AND RATES (CASES PER 100,000 POPULATION¹)**

COUNTY	2007 POP.	MENINGITIS, OTHER		MENINGOCOCCAL INFECTION		MUMPS		PERTUSSIS	
		CASES	RATES	CASES	RATES	CASES	RATES	CASES	RATES
ANDREWS	13,840	0	0.0	0	0.0	0	0.0	0	0.0
BORDEN	762	0	0.0	0	0.0	0	0.0	0	0.0
COKE	3,934	0	0.0	0	0.0	0	0.0	1	25.4
CONCHO	4,135	0	0.0	0	0.0	0	0.0	0	0.0
CRANE	4,281	0	0.0	0	0.0	0	0.0	0	0.0
CROCKETT	4,516	0	0.0	0	0.0	0	0.0	0	0.0
DAWSON	15,226	0	0.0	0	0.0	0	0.0	0	0.0
ECTOR	128,067	1	0.8	2	1.6	0	0.0	7	5.5
GAINES	15,562	0	0.0	0	0.0	0	0.0	1	6.4
GLASSCOCK	1,511	0	0.0	0	0.0	0	0.0	0	0.0
HOWARD	34,527	0	0.0	0	0.0	0	0.0	1	2.9
IRION	1,852	0	0.0	0	0.0	0	0.0	0	0.0
KIMBLE	4,670	0	0.0	0	0.0	0	0.0	0	0.0
LOVING	65	0	0.0	0	0.0	0	0.0	0	0.0
MARTIN	5,139	0	0.0	0	0.0	0	0.0	2	38.9
MASON	3,806	0	0.0	0	0.0	0	0.0	0	0.0
MCCULLOCH	8,605	0	0.0	0	0.0	0	0.0	0	0.0
MENARD	2,396	0	0.0	0	0.0	0	0.0	0	0.0
MIDLAND	120,087	0	0.0	1	0.8	0	0.0	3	2.5
PECOS	17,460	0	0.0	0	0.0	0	0.0	0	0.0
REAGAN	3,659	0	0.0	0	0.0	0	0.0	0	0.0
REEVES	13,423	0	0.0	0	0.0	0	0.0	0	0.0
SCHLEICHER	3,162	0	0.0	0	0.0	0	0.0	0	0.0
STERLING	1,466	0	0.0	0	0.0	0	0.0	0	0.0
SUTTON	4,512	0	0.0	0	0.0	0	0.0	0	0.0
TERRELL	1,101	0	0.0	0	0.0	0	0.0	0	0.0
TOM GREEN	106,205	0	0.0	2	1.9	0	0.0	3	2.8
UPTON	3,681	0	0.0	0	0.0	0	0.0	0	0.0
WARD	11,492	0	0.0	0	0.0	0	0.0	1	8.7
WINKLER	7,559	0	0.0	0	0.0	0	0.0	0	0.0
REGIONAL TOTALS	546,701	1	0.2	5	0.9	0	0.0	19	3.5
STATEWIDE TOTALS	23,936,227	101	0.4	55	0.2	21	0.1	1,051	4.4

**HEALTH SERVICE REGION 9 - 2007
CASES AND RATES (CASES PER 100,000 POPULATION¹)**

COUNTY	2007 POP.	PRIMARY AMOEBIC MENINGOENCEPHALITIS		Q FEVER		SALMONELLOSIS		SHIGELLOSIS	
		CASES	RATES	CASES	RATES	CASES	RATES	CASES	RATES
ANDREWS	13,840	0	0.0	0	0.0	2	14.5	0	0.0
BORDEN	762	0	0.0	0	0.0	0	0.0	0	0.0
COKE	3,934	0	0.0	0	0.0	2	50.8	0	0.0
CONCHO	4,135	0	0.0	0	0.0	1	24.2	0	0.0
CRANE	4,281	0	0.0	0	0.0	1	23.4	0	0.0
CROCKETT	4,516	0	0.0	0	0.0	0	0.0	0	0.0
DAWSON	15,226	0	0.0	0	0.0	0	0.0	0	0.0
ECTOR	128,067	0	0.0	0	0.0	11	8.6	9	7.0
GAINES	15,562	0	0.0	0	0.0	0	0.0	0	0.0
GLASSCOCK	1,511	0	0.0	0	0.0	1	66.2	0	0.0
HOWARD	34,527	0	0.0	0	0.0	3	8.7	1	2.9
IRION	1,852	0	0.0	0	0.0	0	0.0	0	0.0
KIMBLE	4,670	0	0.0	0	0.0	0	0.0	0	0.0
LOVING	65	0	0.0	0	0.0	0	0.0	0	0.0
MARTIN	5,139	0	0.0	0	0.0	2	38.9	0	0.0
MASON	3,806	0	0.0	0	0.0	1	26.3	0	0.0
MCCULLOCH	8,605	0	0.0	0	0.0	0	0.0	0	0.0
MENARD	2,396	0	0.0	0	0.0	0	0.0	0	0.0
MIDLAND	120,087	0	0.0	0	0.0	18	15.0	7	5.8
PECOS	17,460	0	0.0	0	0.0	3	17.2	1	5.7
REAGAN	3,659	0	0.0	0	0.0	0	0.0	0	0.0
REEVES	13,423	0	0.0	0	0.0	3	22.3	0	0.0
SCHLEICHER	3,162	0	0.0	0	0.0	2	63.3	0	0.0
STERLING	1,466	0	0.0	0	0.0	0	0.0	0	0.0
SUTTON	4,512	0	0.0	0	0.0	1	22.2	0	0.0
TERRELL	1,101	0	0.0	0	0.0	0	0.0	0	0.0
TOM GREEN	106,205	0	0.0	0	0.0	23	21.7	1	0.9
UPTON	3,681	0	0.0	0	0.0	0	0.0	0	0.0
WARD	11,492	0	0.0	0	0.0	0	0.0	0	0.0
WINKLER	7,559	0	0.0	0	0.0	2	26.5	0	0.0
REGIONAL TOTALS	546,701	0	0.0	0	0.0	76	13.9	19	3.5
STATEWIDE TOTALS	23,936,227	2	0.0	11	0.0	3,534	14.8	2,358	9.9

**HEALTH SERVICE REGION 9 - 2007
CASES AND RATES (CASES PER 100,000 POPULATION¹)**

COUNTY	2007 POP.	VIBRIO PARAHAEMOLYTICUS		VIBRIO VULNIFICUS		VIBRIO OTHER/UNSPECIFIED		VISA	
		CASES	RATES	CASES	RATES	CASES	RATES	CASES	RATES
ANDREWS	13,840	0	0.0	0	0.0	0	0.0	0	0.0
BORDEN	762	0	0.0	0	0.0	0	0.0	0	0.0
COKE	3,934	0	0.0	0	0.0	0	0.0	0	0.0
CONCHO	4,135	0	0.0	0	0.0	0	0.0	0	0.0
CRANE	4,281	0	0.0	0	0.0	0	0.0	0	0.0
CROCKETT	4,516	0	0.0	0	0.0	0	0.0	0	0.0
DAWSON	15,226	0	0.0	0	0.0	0	0.0	0	0.0
ECTOR	128,067	0	0.0	0	0.0	1	0.8	0	0.0
GAINES	15,562	0	0.0	0	0.0	0	0.0	0	0.0
GLASSCOCK	1,511	0	0.0	0	0.0	0	0.0	0	0.0
HOWARD	34,527	0	0.0	0	0.0	0	0.0	0	0.0
IRION	1,852	0	0.0	0	0.0	0	0.0	0	0.0
KIMBLE	4,670	0	0.0	0	0.0	0	0.0	0	0.0
LOVING	65	0	0.0	0	0.0	0	0.0	0	0.0
MARTIN	5,139	0	0.0	0	0.0	0	0.0	0	0.0
MASON	3,806	0	0.0	0	0.0	0	0.0	0	0.0
MCCULLOCH	8,605	0	0.0	0	0.0	0	0.0	0	0.0
MENARD	2,396	0	0.0	0	0.0	0	0.0	0	0.0
MIDLAND	120,087	0	0.0	1	0.8	0	0.0	0	0.0
PECOS	17,460	0	0.0	0	0.0	0	0.0	0	0.0
REAGAN	3,659	0	0.0	0	0.0	0	0.0	0	0.0
REEVES	13,423	0	0.0	0	0.0	0	0.0	0	0.0
SCHLEICHER	3,162	0	0.0	0	0.0	0	0.0	0	0.0
STERLING	1,466	0	0.0	0	0.0	0	0.0	0	0.0
SUTTON	4,512	0	0.0	0	0.0	0	0.0	0	0.0
TERRELL	1,101	0	0.0	0	0.0	0	0.0	0	0.0
TOM GREEN	106,205	0	0.0	0	0.0	0	0.0	0	0.0
UPTON	3,681	0	0.0	0	0.0	0	0.0	0	0.0
WARD	11,492	0	0.0	0	0.0	0	0.0	0	0.0
WINKLER	7,559	0	0.0	0	0.0	0	0.0	0	0.0
REGIONAL TOTALS	546,701	0	0.0	1	0.2	1	0.2	0	0.0
STATEWIDE TOTALS	23,936,227	15	0.1	26	0.1	19	0.1	3	0.0

**HEALTH SERVICE REGION 9 - 2007
CASES AND RATES (CASES PER 100,000 POPULATION¹)**

COUNTY	2007 POP.	WEST NILE FEVER		WEST NILE NEUROINVASIVE DISEASE		YERSINIOSIS	
		CASES	RATES	CASES	RATES	CASES	RATES
ANDREWS	13,840	0	0.0	1	7.2	0	0.0
BORDEN	762	0	0.0	0	0.0	0	0.0
COKE	3,934	0	0.0	0	0.0	0	0.0
CONCHO	4,135	0	0.0	0	0.0	0	0.0
CRANE	4,281	0	0.0	0	0.0	0	0.0
CROCKETT	4,516	0	0.0	0	0.0	0	0.0
DAWSON	15,226	0	0.0	1	6.6	0	0.0
ECTOR	128,067	1	0.8	2	1.6	0	0.0
GAINES	15,562	0	0.0	0	0.0	0	0.0
GLASSCOCK	1,511	1	66.2	0	0.0	0	0.0
HOWARD	34,527	0	0.0	0	0.0	0	0.0
IRION	1,852	0	0.0	0	0.0	0	0.0
KIMBLE	4,670	0	0.0	0	0.0	0	0.0
LOVING	65	0	0.0	0	0.0	0	0.0
MARTIN	5,139	0	0.0	0	0.0	0	0.0
MASON	3,806	0	0.0	0	0.0	0	0.0
MCCULLOCH	8,605	0	0.0	0	0.0	0	0.0
MENARD	2,396	0	0.0	0	0.0	0	0.0
MIDLAND	120,087	1	0.8	1	0.8	0	0.0
PECOS	17,460	0	0.0	0	0.0	0	0.0
REAGAN	3,659	0	0.0	0	0.0	0	0.0
REEVES	13,423	0	0.0	0	0.0	0	0.0
SCHLEICHER	3,162	0	0.0	0	0.0	0	0.0
STERLING	1,466	0	0.0	0	0.0	0	0.0
SUTTON	4,512	0	0.0	0	0.0	0	0.0
TERRELL	1,101	0	0.0	0	0.0	0	0.0
TOM GREEN	106,205	0	0.0	0	0.0	0	0.0
UPTON	3,681	0	0.0	0	0.0	0	0.0
WARD	11,492	0	0.0	0	0.0	0	0.0
WINKLER	7,559	0	0.0	0	0.0	0	0.0
REGIONAL TOTALS	546,701	3	0.5	5	0.9	0	0.0
STATEWIDE TOTALS	23,936,227	90	0.4	170	0.7	10	0.0

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

² Infant botulism rates are calculated using population under 1 year of age.

³ Perinatal hepatitis B rates are calculated using population under 2 years of age.

⁴ Pediatric influenza deaths are calculated using population under 18 years of age.

**HEALTH SERVICE REGION 10 - 2007
CASES AND RATES (CASES PER 100,000 POPULATION¹)**

COUNTY	2007 POP.	AMEBIASIS		BOTULISM, FOODBORNE		BOTULISM, INFANT ²		BRUCELLOSIS	
		CASES	RATES	CASES	RATES	CASES	RATES	CASES	RATES
BREWSTER	9,756	0	0.0	0	0.0	0	0.0	0	0.0
CULBERSON	3,249	0	0.0	0	0.0	0	0.0	0	0.0
EL PASO	764,769	4	0.5	0	0.0	0	0.0	0	0.0
HUDSPETH	3,758	0	0.0	0	0.0	0	0.0	0	0.0
JEFF DAVIS	2,287	0	0.0	0	0.0	0	0.0	0	0.0
PRESIDIO	8,480	0	0.0	0	0.0	0	0.0	0	0.0

REGIONAL TOTALS	792,299	4	0.5	0	0.0	0	0.0	0	0.0
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STATEWIDE TOTALS	23,936,227	434	1.8	3	0.0	4	1.0	25	0.1
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COUNTY	2007 POP.	CAMPYLOBACTERIOSIS		CHICKENPOX (VARICELLA)		CHOLERA		CREUTZFELDT- JAKOB DISEASE	
		CASES	RATES	CASES	RATES	CASES	RATES	CASES	RATES
BREWSTER	9,756	2	20.5	13	133.3	0	0.0	0	0.0
CULBERSON	3,249	0	0.0	0	0.0	0	0.0	0	0.0
EL PASO	764,769	41	5.4	296	38.7	0	0.0	0	0.0
HUDSPETH	3,758	0	0.0	3	79.8	0	0.0	0	0.0
JEFF DAVIS	2,287	0	0.0	0	0.0	0	0.0	0	0.0
PRESIDIO	8,480	1	11.8	11	129.7	0	0.0	0	0.0

REGIONAL TOTALS	792,299	44	5.6	323	40.8	0	0.0	0	0.0
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STATEWIDE TOTALS	23,936,227	1,690	7.1	10061	42.0	1	0.0	14	0.1
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COUNTY	2007 POP.	CRYPTOSPORIDIOSIS		CYCLOSPORIASIS		CYSTICERCOSIS		DENGUE FEVER	
		CASES	RATES	CASES	RATES	CASES	RATES	CASES	RATES
BREWSTER	9,756	0	0.0	0	0.0	0	0.0	0	0.0
CULBERSON	3,249	0	0.0	0	0.0	0	0.0	0	0.0
EL PASO	764,769	0	0.0	0	0.0	0	0.0	0	0.0
HUDSPETH	3,758	0	0.0	0	0.0	0	0.0	0	0.0
JEFF DAVIS	2,287	0	0.0	0	0.0	0	0.0	0	0.0
PRESIDIO	8,480	0	0.0	0	0.0	0	0.0	0	0.0

REGIONAL TOTALS	792,299	0	0.0	0	0.0	0	0.0	0	0.0
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STATEWIDE TOTALS	23,936,227	233	1.0	2	0.0	3	0.0	32	0.1
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**HEALTH SERVICE REGION 10 - 2007
CASES AND RATES (CASES PER 100,000 POPULATION¹)**

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
BREWSTER	9,756	0	0.0	0	0.0	0	0.0	0	0.0
CULBERSON	3,249	0	0.0	0	0.0	0	0.0	0	0.0
EL PASO	764,769	0	0.0	0	0.0	2	0.3	1	0.1
HUDSPETH	3,758	0	0.0	0	0.0	0	0.0	0	0.0
JEFF DAVIS	2,287	0	0.0	0	0.0	0	0.0	0	0.0
PRESIDIO	8,480	0	0.0	0	0.0	0	0.0	0	0.0

REGIONAL TOTALS	792,299	0	0.0	0	0.0	2	0.3	1	0.1
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STATEWIDE TOTALS	23,936,227	32	0.1	11	0.0	210	0.9	14	0.1
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COUNTY	2007 POP.	HANTAVIRUS PULMONARY SYNDROME		HEMOLYTIC UREMIC SYNDROME		HEPATITIS A, ACUTE		HEPATITIS B, ACUTE	
		CASES	RATES	CASES	RATES	CASES	RATES	CASES	RATES
BREWSTER	9,756	0	0.0	0	0.0	0	0.0	0	0.0
CULBERSON	3,249	0	0.0	0	0.0	0	0.0	0	0.0
EL PASO	764,769	0	0.0	0	0.0	16	2.1	43	5.6
HUDSPETH	3,758	0	0.0	0	0.0	0	0.0	0	0.0
JEFF DAVIS	2,287	0	0.0	0	0.0	0	0.0	0	0.0
PRESIDIO	8,480	0	0.0	0	0.0	0	0.0	0	0.0

REGIONAL TOTALS	792,299	0	0.0	0	0.0	16	2.0	43	5.4
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STATEWIDE TOTALS	23,936,227	3	0.0	11	0.0	264	1.1	741	3.1
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COUNTY	2007 POP.	HEPATITIS B, PERINATAL ³		HEPATITIS C, ACUTE		HEPATITIS D, ACUTE		INFLUENZA-ASSOC PEDIATRIC MORTALITY ⁴	
		CASES	RATES	CASES	CASES	CASES	RATES	CASES	RATES
BREWSTER	9,756	0	0.0	1	10.3	0	0.0	0	0.0
CULBERSON	3,249	0	0.0	0	0.0	0	0.0	0	0.0
EL PASO	764,769	0	0.0	0	0.0	0	0.0	0	0.0
HUDSPETH	3,758	0	0.0	0	0.0	0	0.0	0	0.0
JEFF DAVIS	2,287	0	0.0	0	0.0	0	0.0	0	0.0
PRESIDIO	8,480	0	0.0	0	0.0	0	0.0	0	0.0

REGIONAL TOTALS	792,299	0	0.0	1	0.1	0	0.0	0	0.0
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STATEWIDE TOTALS	23,936,227	3	0.4	67	0.3	2	0.0	13	0.2
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**HEALTH SERVICE REGION 10 - 2007
CASES AND RATES (CASES PER 100,000 POPULATION¹)**

COUNTY	2007 POP.	LEGIONELLOSIS		LEISHMANIASIS		LISTERIOSIS		LYME DISEASE	
		CASES	RATES	CASES	RATES	CASES	RATES	CASES	RATES
BREWSTER	9,756	0	0.0	0	0.0	0	0.0	0	0.0
CULBERSON	3,249	0	0.0	0	0.0	0	0.0	0	0.0
EL PASO	764,769	2	0.3	0	0.0	0	0.0	1	0.1
HUDSPETH	3,758	0	0.0	0	0.0	0	0.0	0	0.0
JEFF DAVIS	2,287	0	0.0	0	0.0	0	0.0	0	0.0
PRESIDIO	8,480	0	0.0	0	0.0	0	0.0	0	0.0

REGIONAL TOTALS	792,299	2	0.3	0	0.0	0	0.0	1	0.1
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STATEWIDE TOTALS	23,936,227	121	0.5	9	0.0	64	0.3	87	0.4
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COUNTY	2007 POP.	MALARIA		MEASLES		MENINGITIS, ASEPTIC		MENINGITIS, BACTERIAL	
		CASES	RATES	CASES	RATES	CASES	RATES	CASES	RATES
BREWSTER	9,756	0	0.0	0	0.0	0	0.0	1	10.3
CULBERSON	3,249	0	0.0	0	0.0	0	0.0	0	0.0
EL PASO	764,769	0	0.0	0	0.0	44	5.8	18	2.4
HUDSPETH	3,758	0	0.0	0	0.0	0	0.0	0	0.0
JEFF DAVIS	2,287	0	0.0	0	0.0	0	0.0	0	0.0
PRESIDIO	8,480	0	0.0	0	0.0	0	0.0	0	0.0

REGIONAL TOTALS	792,299	0	0.0	0	0.0	44	5.6	19	2.4
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STATEWIDE TOTALS	23,936,227	130	0.5	7	0.0	2,126	8.9	385	1.6
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COUNTY	2007 POP.	MENINGITIS, OTHER		MENINGOCOCCAL INFECTION		MUMPS		PERTUSSIS	
		CASES	RATES	CASES	RATES	CASES	RATES	CASES	RATES
BREWSTER	9,756	1	10.3	0	0.0	0	0.0	0	0.0
CULBERSON	3,249	0	0.0	0	0.0	0	0.0	0	0.0
EL PASO	764,769	2	0.3	0	0.0	0	0.0	3	0.4
HUDSPETH	3,758	0	0.0	0	0.0	0	0.0	0	0.0
JEFF DAVIS	2,287	0	0.0	0	0.0	0	0.0	0	0.0
PRESIDIO	8,480	0	0.0	0	0.0	0	0.0	0	0.0

REGIONAL TOTALS	792,299	3	0.4	0	0.0	0	0.0	3	0.4
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STATEWIDE TOTALS	23,936,227	101	0.4	55	0.2	21	0.1	1,051	4.4
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**HEALTH SERVICE REGION 10 - 2007
CASES AND RATES (CASES PER 100,000 POPULATION¹)**

COUNTY	2007 POP.	PRIMARY AMOEBIC MENINGOENCEPHALITIS		Q FEVER		SALMONELLOSIS		SHIGELLOSIS	
		CASES	RATES	CASES	RATES	CASES	RATES	CASES	RATES
BREWSTER	9,756	0	0.0	0	0.0	3	30.8	0	0.0
CULBERSON	3,249	0	0.0	0	0.0	0	0.0	0	0.0
EL PASO	764,769	0	0.0	0	0.0	117	15.3	37	4.8
HUDSPETH	3,758	0	0.0	0	0.0	0	0.0	0	0.0
JEFF DAVIS	2,287	0	0.0	0	0.0	0	0.0	0	0.0
PRESIDIO	8,480	0	0.0	0	0.0	0	0.0	0	0.0

REGIONAL TOTALS	792,299	0	0.0	0	0.0	120	15.1	37	4.7
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STATEWIDE TOTALS	23,936,227	2	0.0	11	0.0	3,534	14.8	2,358	9.9
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COUNTY	2007 POP.	SPOTTED FEVER GP RICKETTSIOSSES		STREPTOCOCCUS, GROUP A		STREPTOCOCCUS, GROUP B		STREPTOCOCCUS PNEUMONIAE	
		CASES	RATES	CASES	RATES	CASES	RATES	CASES	RATES
BREWSTER	9,756	0	0.0	0	0.0	0	0.0	0	0.0
CULBERSON	3,249	0	0.0	0	0.0	0	0.0	0	0.0
EL PASO	764,769	1	0.1	13	1.7	21	2.7	42	5.5
HUDSPETH	3,758	0	0.0	0	0.0	0	0.0	0	0.0
JEFF DAVIS	2,287	0	0.0	0	0.0	0	0.0	0	0.0
PRESIDIO	8,480	0	0.0	0	0.0	0	0.0	0	0.0

REGIONAL TOTALS	792,299	1	0.1	13	1.6	21	2.7	42	5.3
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STATEWIDE TOTALS	23,936,227	49	0.2	281	1.2	433	1.8	1,417	5.9
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COUNTY	2007 POP.	TULAREMIA		TYPHOID FEVER		TYPHUS, MURINE	
		CASES	RATES	CASES	RATES	CASES	RATES
BREWSTER	9,756	0	0.0	0	0.0	0	0.0
CULBERSON	3,249	0	0.0	0	0.0	0	0.0
EL PASO	764,769	0	0.0	1	0.1	0	0.0
HUDSPETH	3,758	0	0.0	0	0.0	0	0.0
JEFF DAVIS	2,287	0	0.0	0	0.0	0	0.0
PRESIDIO	8,480	0	0.0	0	0.0	0	0.0

REGIONAL TOTALS	792,299	0	0.0	1	0.1	0	0.0
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STATEWIDE TOTALS	23,936,227	1	0.0	22	0.1	169	0.7
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**HEALTH SERVICE REGION 10 - 2007
CASES AND RATES (CASES PER 100,000 POPULATION¹)**

COUNTY	2007 POP.	VIBRIO PARAHAEMOLYTICUS		VIBRIO VULNIFICUS		VIBRIO OTHER/UNSPECIFIED		VISA	
		CASES	RATES	CASES	RATES	CASES	RATES	CASES	RATES
BREWSTER	9,756	0	0.0	0	0.0	0	0.0	0	0.0
CULBERSON	3,249	0	0.0	0	0.0	0	0.0	0	0.0
EL PASO	764,769	0	0.0	0	0.0	1	0.1	0	0.0
HUDSPETH	3,758	0	0.0	0	0.0	0	0.0	0	0.0
JEFF DAVIS	2,287	0	0.0	0	0.0	0	0.0	0	0.0
PRESIDIO	8,480	0	0.0	0	0.0	0	0.0	0	0.0

REGIONAL TOTALS	792,299	0	0.0	0	0.0	1	0.1	0	0.0
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STATEWIDE TOTALS	23,936,227	15	0.1	26	0.1	19	0.1	3	0.0
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COUNTY	2007 POP.	WEST NILE FEVER		WEST NILE NEUROINVASIVE DISEASE		YERSINIOSIS	
		CASES	RATES	CASES	RATES	CASES	RATES
BREWSTER	9,756	0	0.0	0	0.0	0	0.0
CULBERSON	3,249	0	0.0	0	0.0	0	0.0
EL PASO	764,769	8	1.0	29	3.8	0	0.0
HUDSPETH	3,758	0	0.0	0	0.0	0	0.0
JEFF DAVIS	2,287	0	0.0	0	0.0	0	0.0
PRESIDIO	8,480	0	0.0	0	0.0	0	0.0

REGIONAL TOTALS	792,299	8	1.0	29	3.7	0	0.0
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STATEWIDE TOTALS	23,936,227	90	0.4	170	0.7	10	0.0
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¹ DSHS Center for Health Statistics projected 2007 Texas population data
<http://www.dshs.state.tx.us/chs/popdat/detailX.shtm> accessed 1/7/2005.

² Infant botulism rates are calculated using population under 1 year of age.

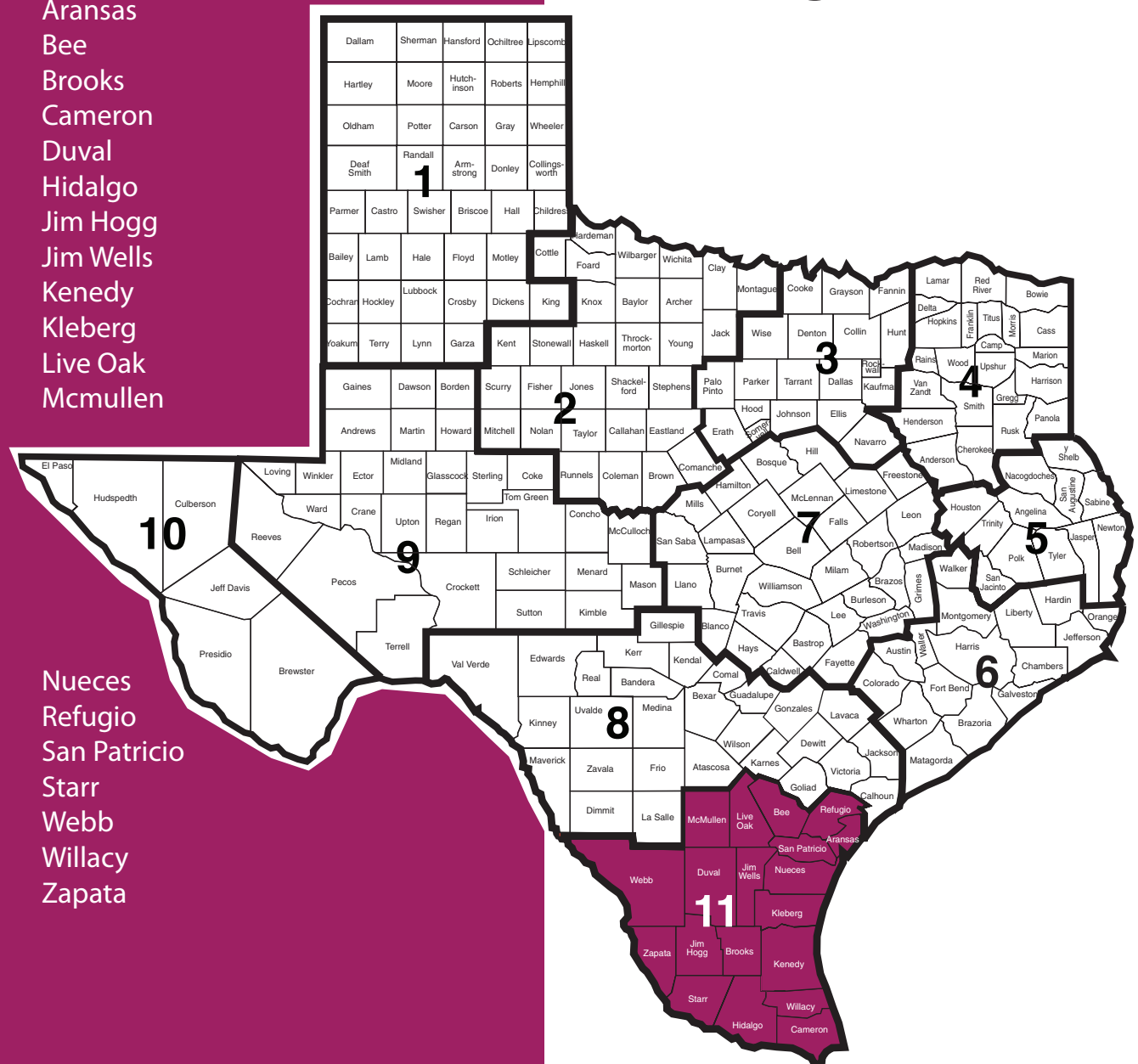
³ Perinatal hepatitis B rates are calculated using population under 2 years of age.

⁴ Pediatric influenza deaths are calculated using population under 18 years of age.

Health Service Region 11

Health Service Region 11 Counties:

Aransas
Bee
Brooks
Cameron
Duval
Hidalgo
Jim Hogg
Jim Wells
Kenedy
Kleberg
Live Oak
Mcmullen



Nueces
Refugio
San Patricio
Starr
Webb
Willacy
Zapata

**HEALTH SERVICE REGION 11 - 2007
CASES AND RATES (CASES PER 100,000 POPULATION¹)**

COUNTY	2007 POP.	AMEBIASIS		BOTULISM, FOODBORNE		BOTULISM, INFANT ²		BRUCELLOSIS	
		CASES	RATES	CASES	RATES	CASES	RATES	CASES	RATES
ARANSAS	24,478	0	0.0	0	0.0	0	0.0	0	0.0
BEE	34,051	0	0.0	0	0.0	0	0.0	0	0.0
BROOKS	8,516	0	0.0	0	0.0	0	0.0	0	0.0
CAMERON	402,230	0	0.0	0	0.0	0	0.0	0	0.0
DUVAL	13,798	0	0.0	0	0.0	0	0.0	0	0.0
HIDALGO	725,729	1	0.1	0	0.0	1	5.8	4	0.6
JIM HOGG	5,757	0	0.0	0	0.0	0	0.0	0	0.0
JIM WELLS	42,639	0	0.0	0	0.0	0	0.0	0	0.0
KENEDY	452	0	0.0	0	0.0	0	0.0	0	0.0
KLEBERG	34,108	0	0.0	0	0.0	0	0.0	0	0.0
LIVE OAK	12,721	0	0.0	0	0.0	0	0.0	0	0.0
MCMULLEN	866	0	0.0	0	0.0	0	0.0	0	0.0
NUECES	328,491	0	0.0	0	0.0	0	0.0	0	0.0
REFUGIO	8,261	0	0.0	0	0.0	0	0.0	0	0.0
SAN PATRICIO	75,139	0	0.0	0	0.0	0	0.0	0	0.0
STARR	62,875	0	0.0	0	0.0	0	0.0	0	0.0
WEBB	244,759	1	0.4	0	0.0	0	0.0	0	0.0
WILLACY	21,990	0	0.0	0	0.0	0	0.0	0	0.0
ZAPATA	14,512	0	0.0	0	0.0	0	0.0	0	0.0

REGIONAL TOTALS	2,061,372	2	0.1	0	0.0	1	2.2	4	0.2
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STATEWIDE TOTALS	23,936,227	434	1.8	3	0.0	4	1.0	25	0.1
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COUNTY	2007 POP.	CAMPYLOBACTERIOSIS		CHICKENPOX (VARICELLA)		CHOLERA		CREUTZFELDT-JAKOB DISEASE	
		CASES	RATES	CASES	RATES	CASES	RATES	CASES	RATES
ARANSAS	24,478	3	12.3	0	0.0	0	0.0	0	0.0
BEE	34,051	1	2.9	7	20.6	0	0.0	0	0.0
BROOKS	8,516	4	47.0	3	35.2	0	0.0	0	0.0
CAMERON	402,230	26	6.5	172	42.8	0	0.0	0	0.0
DUVAL	13,798	1	7.2	0	0.0	0	0.0	0	0.0
HIDALGO	725,729	67	9.2	603	83.1	0	0.0	0	0.0
JIM HOGG	5,757	0	0.0	1	17.4	0	0.0	0	0.0
JIM WELLS	42,639	7	16.4	1	2.3	0	0.0	0	0.0
KENEDY	452	0	0.0	0	0.0	0	0.0	0	0.0
KLEBERG	34,108	2	5.9	38	111.4	0	0.0	0	0.0
LIVE OAK	12,721	1	7.9	0	0.0	0	0.0	0	0.0
MCMULLEN	866	0	0.0	0	0.0	0	0.0	0	0.0
NUECES	328,491	27	8.2	171	52.1	0	0.0	0	0.0
REFUGIO	8,261	0	0.0	0	0.0	0	0.0	0	0.0
SAN PATRICIO	75,139	2	2.7	63	83.8	0	0.0	0	0.0
STARR	62,875	3	4.8	103	163.8	0	0.0	0	0.0
WEBB	244,759	29	11.8	24	9.8	0	0.0	0	0.0
WILLACY	21,990	3	13.6	2	9.1	0	0.0	0	0.0
ZAPATA	14,512	1	6.9	5	34.5	0	0.0	0	0.0

REGIONAL TOTALS	2,061,372	177	8.6	1,193	57.9	0	0.0	0	0.0
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STATEWIDE TOTALS	23,936,227	1,690	7.1	10061	42.0	1	0.0	14	0.1
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**HEALTH SERVICE REGION 11 - 2007
CASES AND RATES (CASES PER 100,000 POPULATION¹)**

COUNTY	2007 POP.	CRYPTOSPORIDIOSIS		CYCLOSPORIASIS		CYSTICERCOSIS		DENGUE FEVER	
		CASES	RATES	CASES	RATES	CASES	RATES	CASES	RATES
ARANSAS	24,478	0	0.0	1	4.1	0	0.0	0	0.0
BEE	34,051	2	5.9	0	0.0	0	0.0	0	0.0
BROOKS	8,516	0	0.0	0	0.0	0	0.0	0	0.0
CAMERON	402,230	1	0.2	0	0.0	0	0.0	0	0.0
DUVAL	13,798	0	0.0	0	0.0	0	0.0	0	0.0
HIDALGO	725,729	5	0.7	0	0.0	0	0.0	1	0.1
JIM HOGG	5,757	0	0.0	0	0.0	0	0.0	0	0.0
JIM WELLS	42,639	0	0.0	0	0.0	0	0.0	0	0.0
KENEDY	452	0	0.0	0	0.0	0	0.0	0	0.0
KLEBERG	34,108	0	0.0	0	0.0	0	0.0	0	0.0
LIVE OAK	12,721	0	0.0	0	0.0	0	0.0	0	0.0
MCMULLEN	866	0	0.0	0	0.0	0	0.0	0	0.0
NUECES	328,491	3	0.9	0	0.0	0	0.0	0	0.0
REFUGIO	8,261	0	0.0	0	0.0	0	0.0	0	0.0
SAN PATRICIO	75,139	2	2.7	0	0.0	0	0.0	0	0.0
STARR	62,875	0	0.0	0	0.0	0	0.0	1	1.6
WEBB	244,759	13	5.3	0	0.0	0	0.0	1	0.4
WILLACY	21,990	1	4.5	0	0.0	0	0.0	0	0.0
ZAPATA	14,512	0	0.0	0	0.0	0	0.0	0	0.0

REGIONAL TOTALS	2,061,372	27	1.3	1	0.0	0	0.0	3	0.1
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STATEWIDE TOTALS	23,936,227	233	1.0	2	0.0	3	0.0	32	0.1
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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
ARANSAS	24,478	0	0.0	0	0.0	0	0.0	0	0.0
BEE	34,051	1	2.9	0	0.0	0	0.0	0	0.0
BROOKS	8,516	0	0.0	0	0.0	0	0.0	0	0.0
CAMERON	402,230	10	2.5	2	0.5	9	2.2	0	0.0
DUVAL	13,798	0	0.0	0	0.0	0	0.0	0	0.0
HIDALGO	725,729	0	0.0	0	0.0	17	2.3	1	0.1
JIM HOGG	5,757	0	0.0	0	0.0	0	0.0	0	0.0
JIM WELLS	42,639	0	0.0	0	0.0	0	0.0	0	0.0
KENEDY	452	0	0.0	0	0.0	0	0.0	0	0.0
KLEBERG	34,108	0	0.0	0	0.0	1	2.9	0	0.0
LIVE OAK	12,721	0	0.0	0	0.0	0	0.0	0	0.0
MCMULLEN	866	0	0.0	0	0.0	0	0.0	0	0.0
NUECES	328,491	9	2.7	0	0.0	1	0.3	0	0.0
REFUGIO	8,261	0	0.0	0	0.0	0	0.0	0	0.0
SAN PATRICIO	75,139	0	0.0	0	0.0	1	1.3	0	0.0
STARR	62,875	0	0.0	0	0.0	0	0.0	0	0.0
WEBB	244,759	10	4.1	0	0.0	1	0.4	0	0.0
WILLACY	21,990	2	9.1	0	0.0	0	0.0	0	0.0
ZAPATA	14,512	0	0.0	0	0.0	0	0.0	0	0.0

REGIONAL TOTALS	2,061,372	32	1.6	2	0.1	30	1.5	1	0.0
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STATEWIDE TOTALS	23,936,227	32	0.1	11	0.0	210	0.9	14	0.1
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**HEALTH SERVICE REGION 11 - 2007
CASES AND RATES (CASES PER 100,000 POPULATION¹)**

COUNTY	2007 POP.	HANTAVIRUS PULMONARY SYNDROME		HEMOLYTIC UREMIC SYNDROME		HEPATITIS A, ACUTE		HEPATITIS B, ACUTE	
		CASES	RATES	CASES	RATES	CASES	RATES	CASES	RATES
ARANSAS	24,478	0	0.0	0	0.0	0	0.0	2	8.2
BEE	34,051	0	0.0	0	0.0	0	0.0	0	0.0
BROOKS	8,516	0	0.0	0	0.0	0	0.0	0	0.0
CAMERON	402,230	0	0.0	0	0.0	3	0.7	0	0.0
DUVAL	13,798	0	0.0	0	0.0	0	0.0	0	0.0
HIDALGO	725,729	0	0.0	0	0.0	4	0.6	3	0.4
JIM HOGG	5,757	0	0.0	0	0.0	0	0.0	0	0.0
JIM WELLS	42,639	0	0.0	0	0.0	1	2.3	0	0.0
KENEDY	452	0	0.0	0	0.0	0	0.0	0	0.0
KLEBERG	34,108	0	0.0	0	0.0	1	2.9	1	2.9
LIVE OAK	12,721	0	0.0	0	0.0	0	0.0	0	0.0
MCMULLEN	866	0	0.0	0	0.0	0	0.0	0	0.0
NUECES	328,491	0	0.0	0	0.0	3	0.9	7	2.1
REFUGIO	8,261	0	0.0	0	0.0	0	0.0	0	0.0
SAN PATRICIO	75,139	0	0.0	0	0.0	1	1.3	7	9.3
STARR	62,875	0	0.0	0	0.0	3	4.8	0	0.0
WEBB	244,759	0	0.0	0	0.0	3	1.2	2	0.8
WILLACY	21,990	0	0.0	0	0.0	1	4.5	0	0.0
ZAPATA	14,512	0	0.0	0	0.0	0	0.0	0	0.0

REGIONAL TOTALS	2,061,372	0	0.0	0	0.0	20	1.0	22	1.1
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STATEWIDE TOTALS	23,936,227	3	0.0	11	0.0	264	1.1	741	3.1
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COUNTY	2007 POP.	HEPATITIS B, PERINATAL ³		HEPATITIS C, ACUTE		HEPATITIS D, ACUTE		INFLUENZA-ASSOC PEDIATRIC MORTALITY ⁴	
		CASES	RATES	CASES	CASES	CASES	RATES	CASES	RATES
ARANSAS	24,478	0	0.0	0	0.0	0	0.0	0	0.0
BEE	34,051	0	0.0	0	0.0	0	0.0	0	0.0
BROOKS	8,516	0	0.0	0	0.0	0	0.0	0	0.0
CAMERON	402,230	0	0.0	0	0.0	0	0.0	0	0.0
DUVAL	13,798	0	0.0	0	0.0	0	0.0	0	0.0
HIDALGO	725,729	0	0.0	0	0.0	0	0.0	0	0.0
JIM HOGG	5,757	0	0.0	0	0.0	0	0.0	0	0.0
JIM WELLS	42,639	0	0.0	1	2.3	0	0.0	0	0.0
KENEDY	452	0	0.0	0	0.0	0	0.0	0	0.0
KLEBERG	34,108	0	0.0	0	0.0	0	0.0	0	0.0
LIVE OAK	12,721	0	0.0	0	0.0	0	0.0	0	0.0
MCMULLEN	866	0	0.0	0	0.0	0	0.0	0	0.0
NUECES	328,491	0	0.0	4	1.2	0	0.0	0	0.0
REFUGIO	8,261	0	0.0	0	0.0	0	0.0	0	0.0
SAN PATRICIO	75,139	0	0.0	0	0.0	0	0.0	0	0.0
STARR	62,875	0	0.0	1	1.6	0	0.0	0	0.0
WEBB	244,759	0	0.0	0	0.0	0	0.0	0	0.0
WILLACY	21,990	0	0.0	0	0.0	0	0.0	0	0.0
ZAPATA	14,512	0	0.0	0	0.0	0	0.0	0	0.0

REGIONAL TOTALS	2,061,372	0	0.0	6	0.3	0	0.0	0	0.0
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STATEWIDE TOTALS	23,936,227	3	0.4	67	0.3	2	0.0	13	0.2
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**HEALTH SERVICE REGION 11 - 2007
CASES AND RATES (CASES PER 100,000 POPULATION¹)**

COUNTY	2007 POP.	LEGIONELLOSIS		LEISHMANIASIS		LISTERIOSIS		LYME DISEASE	
		CASES	RATES	CASES	RATES	CASES	RATES	CASES	RATES
ARANSAS	24,478	1	4.1	0	0.0	0	0.0	0	0.0
BEE	34,051	0	0.0	0	0.0	0	0.0	0	0.0
BROOKS	8,516	0	0.0	0	0.0	0	0.0	0	0.0
CAMERON	402,230	0	0.0	0	0.0	2	0.5	0	0.0
DUVAL	13,798	0	0.0	0	0.0	0	0.0	0	0.0
HIDALGO	725,729	3	0.4	0	0.0	12	1.7	1	0.1
JIM HOGG	5,757	0	0.0	0	0.0	0	0.0	0	0.0
JIM WELLS	42,639	1	2.3	0	0.0	0	0.0	0	0.0
KENEDY	452	0	0.0	0	0.0	0	0.0	0	0.0
KLEBERG	34,108	0	0.0	0	0.0	1	2.9	0	0.0
LIVE OAK	12,721	0	0.0	0	0.0	0	0.0	0	0.0
MCMULLEN	866	0	0.0	0	0.0	0	0.0	0	0.0
NUECES	328,491	2	0.6	0	0.0	2	0.6	3	0.9
REFUGIO	8,261	0	0.0	0	0.0	0	0.0	0	0.0
SAN PATRICIO	75,139	1	1.3	0	0.0	1	1.3	1	1.3
STARR	62,875	0	0.0	0	0.0	0	0.0	0	0.0
WEBB	244,759	0	0.0	0	0.0	0	0.0	0	0.0
WILLACY	21,990	0	0.0	0	0.0	0	0.0	1	4.5
ZAPATA	14,512	0	0.0	0	0.0	0	0.0	0	0.0

REGIONAL TOTALS	2,061,372	8	0.4	0	0.0	18	0.9	6	0.3
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STATEWIDE TOTALS	23,936,227	121	0.5	9	0.0	64	0.3	87	0.4
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COUNTY	2007 POP.	MALARIA		MEASLES		MENINGITIS, ASEPTIC		MENINGITIS, BACTERIAL	
		CASES	RATES	CASES	RATES	CASES	RATES	CASES	RATES
ARANSAS	24,478	0	0.0	0	0.0	1	4.1	0	0.0
BEE	34,051	0	0.0	0	0.0	0	0.0	2	5.9
BROOKS	8,516	0	0.0	0	0.0	0	0.0	0	0.0
CAMERON	402,230	2	0.5	0	0.0	76	18.9	4	1.0
DUVAL	13,798	0	0.0	0	0.0	5	36.2	0	0.0
HIDALGO	725,729	2	0.3	0	0.0	115	15.8	8	1.1
JIM HOGG	5,757	0	0.0	0	0.0	0	0.0	0	0.0
JIM WELLS	42,639	0	0.0	0	0.0	6	14.1	1	2.3
KENEDY	452	0	0.0	0	0.0	0	0.0	0	0.0
KLEBERG	34,108	0	0.0	0	0.0	4	11.7	0	0.0
LIVE OAK	12,721	0	0.0	0	0.0	2	15.7	0	0.0
MCMULLEN	866	0	0.0	0	0.0	0	0.0	0	0.0
NUECES	328,491	0	0.0	0	0.0	32	9.7	6	1.8
REFUGIO	8,261	0	0.0	0	0.0	0	0.0	0	0.0
SAN PATRICIO	75,139	0	0.0	0	0.0	8	10.6	4	5.3
STARR	62,875	0	0.0	0	0.0	1	1.6	1	1.6
WEBB	244,759	0	0.0	0	0.0	0	0.0	2	0.8
WILLACY	21,990	0	0.0	0	0.0	7	31.8	1	4.5
ZAPATA	14,512	0	0.0	0	0.0	2	13.8	0	0.0

REGIONAL TOTALS	2,061,372	4	0.2	0	0.0	259	12.6	29	1.4
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STATEWIDE TOTALS	23,936,227	130	0.5	7	0.0	2,126	8.9	385	1.6
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**HEALTH SERVICE REGION 11 - 2007
CASES AND RATES (CASES PER 100,000 POPULATION¹)**

COUNTY	2007 POP.	MENINGITIS, OTHER		MENINGOCOCCAL INFECTION		MUMPS		PERTUSSIS	
		CASES	RATES	CASES	RATES	CASES	RATES	CASES	RATES
ARANSAS	24,478	0	0.0	0	0.0	0	0.0	0	0.0
BEE	34,051	0	0.0	0	0.0	0	0.0	4	11.7
BROOKS	8,516	0	0.0	0	0.0	0	0.0	0	0.0
CAMERON	402,230	1	0.2	0	0.0	1	0.2	6	1.5
DUVAL	13,798	0	0.0	0	0.0	0	0.0	0	0.0
HIDALGO	725,729	7	1.0	2	0.3	3	0.4	25	3.4
JIM HOGG	5,757	0	0.0	0	0.0	0	0.0	0	0.0
JIM WELLS	42,639	0	0.0	0	0.0	0	0.0	0	0.0
KENEDY	452	0	0.0	0	0.0	0	0.0	0	0.0
KLEBERG	34,108	0	0.0	0	0.0	0	0.0	0	0.0
LIVE OAK	12,721	0	0.0	0	0.0	0	0.0	0	0.0
MCMULLEN	866	0	0.0	0	0.0	0	0.0	0	0.0
NUECES	328,491	3	0.9	1	0.3	0	0.0	10	3.0
REFUGIO	8,261	0	0.0	0	0.0	0	0.0	0	0.0
SAN PATRICIO	75,139	0	0.0	0	0.0	0	0.0	1	1.3
STARR	62,875	0	0.0	0	0.0	0	0.0	2	3.2
WEBB	244,759	3	1.2	0	0.0	0	0.0	2	0.8
WILLACY	21,990	0	0.0	0	0.0	0	0.0	0	0.0
ZAPATA	14,512	0	0.0	0	0.0	0	0.0	0	0.0

REGIONAL TOTALS	2,061,372	14	0.7	3	0.1	4	0.2	50	2.4
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STATEWIDE TOTALS	23,936,227	101	0.4	55	0.2	21	0.1	1,051	4.4
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COUNTY	2007 POP.	PRIMARY AMOEBIC MENINGOENCEPHALITIS		Q FEVER		SALMONELLOSIS		SHIGELLOSIS	
		CASES	RATES	CASES	RATES	CASES	RATES	CASES	RATES
ARANSAS	24,478	0	0.0	0	0.0	4	16.3	0	0.0
BEE	34,051	0	0.0	0	0.0	11	32.3	0	0.0
BROOKS	8,516	0	0.0	0	0.0	1	11.7	10	117.4
CAMERON	402,230	0	0.0	0	0.0	105	26.1	25	6.2
DUVAL	13,798	0	0.0	0	0.0	4	29.0	0	0.0
HIDALGO	725,729	0	0.0	0	0.0	122	16.8	84	11.6
JIM HOGG	5,757	0	0.0	0	0.0	2	34.7	1	17.4
JIM WELLS	42,639	0	0.0	0	0.0	9	21.1	1	2.3
KENEDY	452	0	0.0	0	0.0	1	221.2	1	221.2
KLEBERG	34,108	0	0.0	0	0.0	9	26.4	0	0.0
LIVE OAK	12,721	0	0.0	0	0.0	4	31.4	0	0.0
MCMULLEN	866	0	0.0	0	0.0	0	0.0	0	0.0
NUECES	328,491	0	0.0	0	0.0	59	18.0	5	1.5
REFUGIO	8,261	0	0.0	0	0.0	0	0.0	0	0.0
SAN PATRICIO	75,139	0	0.0	0	0.0	19	25.3	0	0.0
STARR	62,875	0	0.0	0	0.0	20	31.8	1	1.6
WEBB	244,759	0	0.0	0	0.0	47	19.2	26	10.6
WILLACY	21,990	0	0.0	0	0.0	10	45.5	1	4.5
ZAPATA	14,512	0	0.0	0	0.0	6	41.3	0	0.0

REGIONAL TOTALS	2,061,372	0	0.0	0	0.0	433	21.0	155	7.5
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STATEWIDE TOTALS	23,936,227	2	0.0	11	0.0	3,534	14.8	2,358	9.9
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**HEALTH SERVICE REGION 11 - 2007
CASES AND RATES (CASES PER 100,000 POPULATION¹)**

COUNTY	2007 POP.	TULAREMIA		TYPHOID FEVER		TYPHUS, MURINE	
		CASES	RATES	CASES	RATES	CASES	RATES
ARANSAS	24,478	0	0.0	0	0.0	0	0.0
BEE	34,051	0	0.0	0	0.0	0	0.0
BROOKS	8,516	0	0.0	0	0.0	1	11.7
CAMERON	402,230	0	0.0	1	0.2	41	10.2
DUVAL	13,798	0	0.0	0	0.0	0	0.0
HIDALGO	725,729	0	0.0	0	0.0	47	6.5
JIM HOGG	5,757	0	0.0	0	0.0	0	0.0
JIM WELLS	42,639	0	0.0	0	0.0	1	2.3
KENEDY	452	0	0.0	0	0.0	0	0.0
KLEBERG	34,108	0	0.0	1	2.9	1	2.9
LIVE OAK	12,721	0	0.0	0	0.0	0	0.0
MCMULLEN	866	0	0.0	0	0.0	0	0.0
NUECES	328,491	1	0.3	0	0.0	56	17.0
REFUGIO	8,261	0	0.0	0	0.0	0	0.0
SAN PATRICIO	75,139	0	0.0	0	0.0	10	13.3
STARR	62,875	0	0.0	0	0.0	0	0.0
WEBB	244,759	0	0.0	1	0.4	4	1.6
WILLACY	21,990	0	0.0	0	0.0	2	9.1
ZAPATA	14,512	0	0.0	0	0.0	1	6.9

REGIONAL TOTALS	2,061,372	1	0.0	3	0.1	164	8.0
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STATEWIDE TOTALS	23,936,227	1	0.0	22	0.1	169	0.7
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COUNTY	2007 POP.	VIBRIO PARAHAEMOLYTICUS		VIBRIO VULNIFICUS		VIBRIO OTHER/UNSPECIFIED		VISA	
		CASES	RATES	CASES	RATES	CASES	RATES	CASES	RATES
ARANSAS	24,478	0	0.0	1	4.1	0	0.0	0	0.0
BEE	34,051	0	0.0	0	0.0	0	0.0	0	0.0
BROOKS	8,516	0	0.0	1	11.7	0	0.0	0	0.0
CAMERON	402,230	0	0.0	0	0.0	1	0.2	0	0.0
DUVAL	13,798	0	0.0	0	0.0	0	0.0	0	0.0
HIDALGO	725,729	0	0.0	0	0.0	0	0.0	0	0.0
JIM HOGG	5,757	0	0.0	0	0.0	0	0.0	0	0.0
JIM WELLS	42,639	0	0.0	0	0.0	0	0.0	0	0.0
KENEDY	452	0	0.0	0	0.0	0	0.0	0	0.0
KLEBERG	34,108	0	0.0	0	0.0	0	0.0	0	0.0
LIVE OAK	12,721	0	0.0	0	0.0	0	0.0	0	0.0
MCMULLEN	866	0	0.0	0	0.0	0	0.0	0	0.0
NUECES	328,491	1	0.3	1	0.3	1	0.3	0	0.0
REFUGIO	8,261	0	0.0	0	0.0	0	0.0	0	0.0
SAN PATRICIO	75,139	0	0.0	0	0.0	0	0.0	0	0.0
STARR	62,875	0	0.0	0	0.0	0	0.0	0	0.0
WEBB	244,759	0	0.0	0	0.0	0	0.0	0	0.0
WILLACY	21,990	0	0.0	0	0.0	0	0.0	0	0.0
ZAPATA	14,512	0	0.0	0	0.0	0	0.0	0	0.0

REGIONAL TOTALS	2,061,372	1	0.0	3	0.1	2	0.1	0	0.0
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STATEWIDE TOTALS	23,936,227	15	0.1	26	0.1	19	0.1	3	0.0
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**HEALTH SERVICE REGION 11 - 2007
CASES AND RATES (CASES PER 100,000 POPULATION¹)**

COUNTY	2007 POP.	WEST NILE FEVER		WEST NILE NEUROINVASIVE DISEASE		YERSINIOSIS	
		CASES	RATES	CASES	RATES	CASES	RATES
ARANSAS	24,478	0	0.0	0	0.0	0	0.0
BEE	34,051	0	0.0	0	0.0	0	0.0
BROOKS	8,516	0	0.0	0	0.0	0	0.0
CAMERON	402,230	3	0.7	1	0.2	0	0.0
DUVAL	13,798	0	0.0	0	0.0	0	0.0
HIDALGO	725,729	1	0.1	2	0.3	0	0.0
JIM HOGG	5,757	0	0.0	0	0.0	0	0.0
JIM WELLS	42,639	2	4.7	1	2.3	0	0.0
KENEDY	452	0	0.0	0	0.0	0	0.0
KLEBERG	34,108	0	0.0	1	2.9	0	0.0
LIVE OAK	12,721	0	0.0	0	0.0	0	0.0
MCMULLEN	866	0	0.0	0	0.0	0	0.0
NUECES	328,491	2	0.6	3	0.9	0	0.0
REFUGIO	8,261	0	0.0	0	0.0	0	0.0
SAN PATRICIO	75,139	0	0.0	0	0.0	0	0.0
STARR	62,875	0	0.0	0	0.0	0	0.0
WEBB	244,759	0	0.0	1	0.4	0	0.0
WILLACY	21,990	1	4.5	0	0.0	0	0.0
ZAPATA	14,512	0	0.0	0	0.0	0	0.0
REGIONAL TOTALS	2,061,372	9	0.4	9	0.4	0	0.0
STATEWIDE TOTALS	23,936,227	90	0.4	170	0.7	10	0.0

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

² Infant botulism rates are calculated using population under 1 year of age.

³ Perinatal hepatitis B rates are calculated using population under 2 years of age.

⁴ Pediatric influenza deaths are calculated using population under 18 years of age.

Appendix





Notifiable Conditions

This form expires on January 31, 2008.
Go to <http://www.dshs.state.tx.us/idcu/investigation/conditions/>
or call your local or regional health department before this date
to obtain the new form.

A – L	When to Report	L – Y	When to Report
Acquired immune deficiency syndrome (AIDS) ^{1,2}	Within 1 week	Leishmaniasis ³	Within 1 week
Amebiasis ³	Within 1 week	Listeriosis ^{3,4}	Within 1 week
Anthrax^{3,4}	Call Immediately	Lyme disease ³	Within 1 week
Arbovirus infection ^{3,5}	Within 1 week	Malaria ³	Within 1 week
Asbestosis ⁶	Within 1 week	Measles (rubeola)³	Call Immediately
Botulism, foodborne^{3,4}	Call Immediately	Meningitis (specify type) ³	Within 1 week
Botulism, infant, wound, and other ^{3,4}	Within 1 week	Meningococcal infections, invasive^{3,4}	Call Immediately
Brucellosis^{3,4}	Within 1 work day	Mumps ³	Within 1 week
Campylobacteriosis ³	Within 1 week	Pertussis³	Within 1 work day
Cancer ⁷	See rules ⁷	Pesticide poisoning, acute occupational ⁶	Within 1 week
Chancroid ¹	Within 1 week	Plague³	Call Immediately
Chickenpox (varicella) ⁸	Within 1 week	Poliomyelitis, acute paralytic³	Call Immediately
<i>Chlamydia trachomatis</i> infection ¹	Within 1 week	Q fever³	Within 1 work day
Contaminated sharps injury ⁹	Within 1 month	Rabies, human³	Call Immediately
Controlled substance overdose¹⁰	Call Immediately	Relapsing fever ³	Within 1 week
Creutzfeldt-Jakob disease (CJD) ³	Within 1 week	Rubella (including congenital)³	Within 1 work day
Cryptosporidiosis ³	Within 1 week	Salmonellosis, including typhoid fever ³	Within 1 week
Cyclosporiasis ³	Within 1 week	Severe Acute Respiratory Syndrome (SARS)³	Call Immediately
Cysticercosis ³	Within 1 week	Shigellosis ³	Within 1 week
Dengue ³	Within 1 week	Silicosis ⁶	Within 1 week
Diphtheria³	Call Immediately	Smallpox³	Call Immediately
Drowning/near drowning ¹¹	Within 10 work days	Spinal cord injury ¹¹	Within 10 work days
Ehrlichiosis ³	Within 1 week	Spotted fever group rickettsioses ³	Within 1 week
Encephalitis (specify etiology) ³	Within 1 week	Staph. aureus, vancomycin-resistant (VISA and VRSA)^{3,4}	Call Immediately
<i>Escherichia coli</i> , enterohemorrhagic ^{3,4}	Within 1 week	Streptococcal disease (group A, B, S. pneumo), invasive ³	Within 1 week
Gonorrhea ¹	Within 1 week	Syphilis ¹	Within 1 week
Haemophilus influenzae type b infections, invasive³	Call Immediately	<i>Taenia solium</i> and undifferentiated <i>Taenia</i> infection ³	Within 1 week
Hansen's disease (leprosy) ³	Within 1 week	Tetanus ³	Within 1 week
Hantavirus infection ³	Within 1 week	Traumatic brain injury ¹¹	Within 10 work days
Hemolytic Uremic Syndrome (HUS) ³	Within 1 week	Trichinosis ³	Within 1 week
Hepatitis A (acute)³	Within 1 work day	Tuberculosis (includes all M. tuberculosis complex)¹²	Within 1 work day
Hepatitis B, C, D, E, and unspecified (acute) ³	Within 1 week	Tularemia^{3,4}	Call Immediately
Hepatitis B identified prenatally or at delivery (acute & chronic)³	Within 1 work day	Typhus ³	Within 1 week
Hepatitis B, perinatal (HBsAg+ < 24 months old) ³	Within 1 week	Vibrio infection, including cholera^{3,4}	Within 1 work day
Human immunodeficiency virus (HIV) infection ^{1,2}	Within 1 week	Viral hemorrhagic fever, including Ebola³	Call Immediately
Influenza-associated pediatric mortality³	Within 1 work day	West Nile Fever ³	Within 1 week
Lead, child blood, any level & adult blood, any level⁶	Call Immediately	Yellow fever³	Call Immediately
Legionellosis ³	Within 1 week	Yersiniosis ^{3,4}	Within 1 week

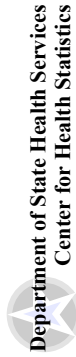
In addition to specified reportable conditions, any outbreak, exotic disease, or unusual group expression of disease that may be of public health concern should be reported by the most expeditious means available.

¹ Please refer to specific rules and regulations for reporting and who to report to at: <http://www.dshs.state.tx.us/hivstd/reporting/default.shtm>
² Labs conducting confirmatory HIV testing are requested to send remaining specimen to a CDC-designated laboratory. Please call 512-533-3041 for details.
³ Reporting forms are available at <http://www.dshs.state.tx.us/idcu/investigation/forms/>. Investigation forms at <http://www.dshs.state.tx.us/idcu/investigation/>
 Call as indicated for immediately reportable conditions.
⁴ Lab isolate must be sent to DSHS lab. Call 512-458-7598 for specimen submission information.
⁵ Reportable Arbovirus infections include neuroinvasive and non-neuroinvasive Cache Valley, California serogroup, Eastern Equine (EEE), Dengue, Powassan, St. Louis Encephalitis (SLE), Venezuelan equine (VEE), West Nile, and Western Equine (WEE)
⁶ Please refer to specific rules and regulations for reporting and who to report to at <http://www.dshs.state.tx.us/epitox/default.shtm>
⁷ Please refer to specific rules and regulations for reporting and who to report to at <http://www.dshs.state.tx.us/tcr/lawrules.shtm>
⁸ Varicella reporting form is at http://www.dshs.state.tx.us/idcu/health/vaccine_preventable_diseases/forms/f11_11046.pdf. Call local health dept for copy with their fax number.
⁹ Not applicable to private facilities. Initial reporting forms for Contaminated Sharps at http://www.dshs.state.tx.us/idcu/health/bloodborne_pathogens/reporting/
¹⁰ Please refer to specific rules and regulations for reporting and who to report to at <http://www.dshs.state.tx.us/epidemiology/epipoison.shtm>
¹¹ Please refer to specific rules and regulations for reporting and who to report to at <http://www.dshs.state.tx.us/injury/default.shtm>
¹² Please refer to specific rules and regulations for reporting and who to report to at <http://www.dshs.state.tx.us/idcu/disease/tb/>

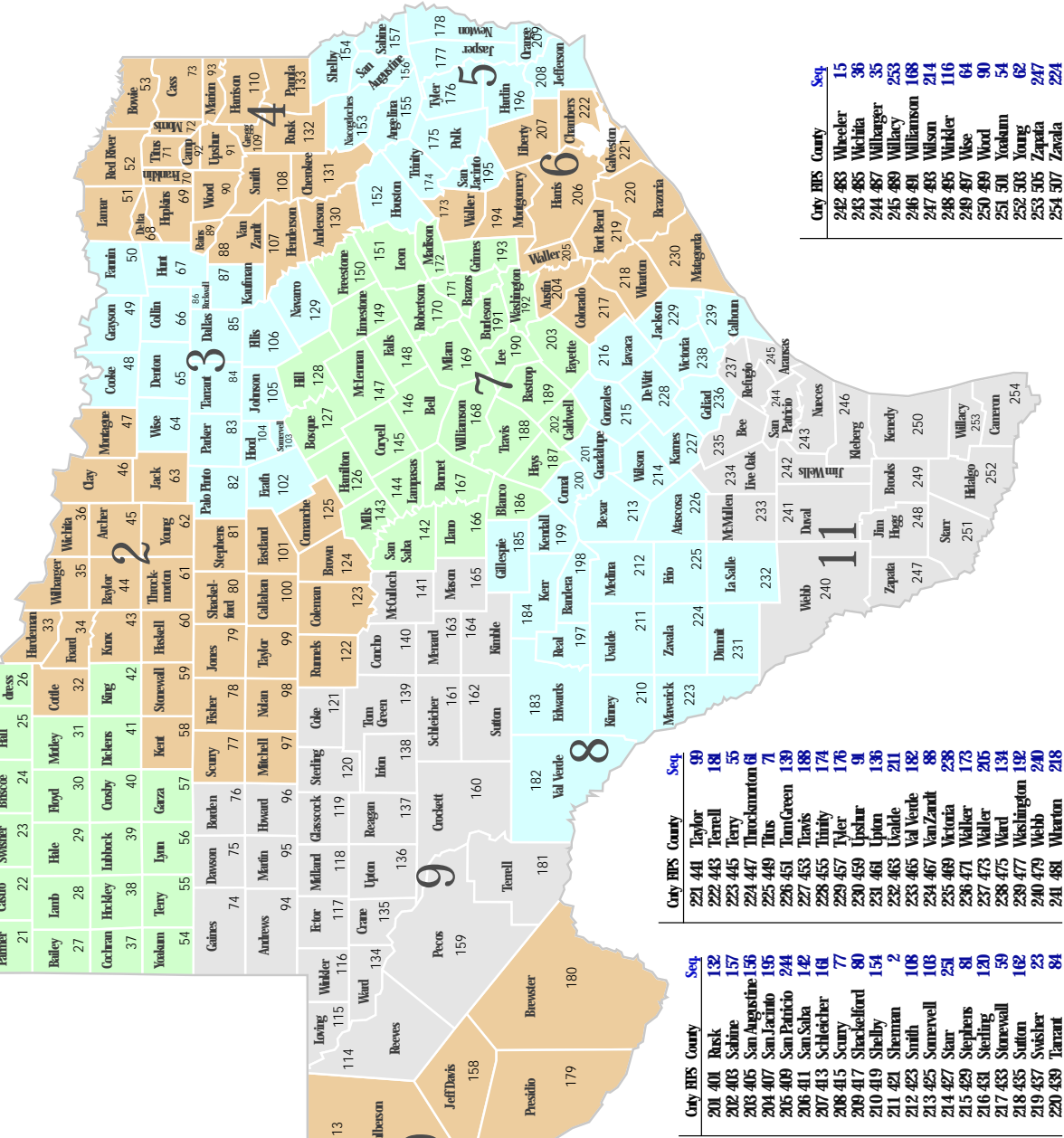
Call Immediately 24/7 Phone Numbers
 Information for your local or regional health department can be found at:
<http://www.dshs.state.tx.us/regions/default.shtm>
 Department of State Health Services
 Business Hours 1-800-252-8239 / After Hours Physician On Call 512-458-7111

Texas County Locator Map

To use this map, look up the county you wish to find and read its blue sequence number. Then locate the sequence number on the map, reading left to right.



City	HIS	County	Seq.
1	Anderson	72	143
2	Andrews	73	145
3	Angelina	74	147
4	Arenas	75	149
5	Archer	76	151
6	Armstrong	77	153
7	Austin	78	155
8	Bandera	79	157
9	Bastrop	80	159
10	Baylor	81	161
11	Bee	82	163
12	Brewster	83	165
13	Brewster	84	167
14	Brewster	85	169
15	Brewster	86	171
16	Brewster	87	173
17	Brewster	88	175
18	Brewster	89	177
19	Brewster	90	179
20	Brewster	91	181
21	Brewster	92	183
22	Brewster	93	185
23	Brewster	94	187
24	Brewster	95	189
25	Brewster	96	191
26	Brewster	97	193
27	Brewster	98	195
28	Brewster	99	197
29	Brewster	100	199
30	Brewster	101	201
31	Brewster	102	203
32	Brewster	103	205
33	Brewster	104	207
34	Brewster	105	209
35	Brewster	106	211
36	Brewster	107	213
37	Brewster	108	215
38	Brewster	109	217
39	Brewster	110	219
40	Brewster	111	221
41	Brewster	112	223
42	Brewster	113	225
43	Brewster	114	227
44	Brewster	115	229
45	Brewster	116	231
46	Brewster	117	233
47	Brewster	118	235
48	Brewster	119	237
49	Brewster	120	239
50	Brewster	121	241
51	Brewster	122	243
52	Brewster	123	245
53	Brewster	124	247
54	Brewster	125	249
55	Brewster	126	251
56	Brewster	127	253
57	Brewster	128	255
58	Brewster	129	257
59	Brewster	130	259
60	Brewster	131	261
61	Brewster	132	263
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63	Brewster	134	267
64	Brewster	135	269
65	Brewster	136	271
66	Brewster	137	273
67	Brewster	138	275
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70	Brewster	141	281
71	Brewster	142	283
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77	Brewster	148	295
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81	Brewster	152	303
82	Brewster	153	305
83	Brewster	154	307
84	Brewster	155	309
85	Brewster	156	311
86	Brewster	157	313
87	Brewster	158	315
88	Brewster	159	317
89	Brewster	160	319
90	Brewster	161	321
91	Brewster	162	323
92	Brewster	163	325
93	Brewster	164	327
94	Brewster	165	329
95	Brewster	166	331
96	Brewster	167	333
97	Brewster	168	335
98	Brewster	169	337
99	Brewster	170	339
100	Brewster	171	341
101	Brewster	172	343
102	Brewster	173	345
103	Brewster	174	347
104	Brewster	175	349
105	Brewster	176	351
106	Brewster	177	353
107	Brewster	178	355
108	Brewster	179	357
109	Brewster	180	359
110	Brewster	181	361
111	Brewster	182	363
112	Brewster	183	365
113	Brewster	184	367
114	Brewster	185	369
115	Brewster	186	371
116	Brewster	187	373
117	Brewster	188	375
118	Brewster	189	377
119	Brewster	190	379
120	Brewster	191	381
121	Brewster	192	383
122	Brewster	193	385
123	Brewster	194	387
124	Brewster	195	389
125	Brewster	196	391
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128	Brewster	199	397
129	Brewster	200	399
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132	Brewster	203	405
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134	Brewster	205	409
135	Brewster	206	411
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137	Brewster	208	415
138	Brewster	209	417
139	Brewster	210	419
140	Brewster	211	421
141	Brewster	212	423
142	Brewster	213	425
143	Brewster	214	427
144	Brewster	215	429
145	Brewster	216	431
146	Brewster	217	433
147	Brewster	218	435
148	Brewster	219	437
149	Brewster	220	439
150	Brewster	221	441
151	Brewster	222	443
152	Brewster	223	445
153	Brewster	224	447
154	Brewster	225	449
155	Brewster	226	451
156	Brewster	227	453
157	Brewster	228	455
158	Brewster	229	457
159	Brewster	230	459
160	Brewster	231	461
161	Brewster	232	463
162	Brewster	233	465
163	Brewster	234	467
164	Brewster	235	469
165	Brewster	236	471
166	Brewster	237	473
167	Brewster	238	475
168	Brewster	239	477
169	Brewster	240	479
170	Brewster	241	481
171	Brewster	242	483
172	Brewster	243	485
173	Brewster	244	487
174	Brewster	245	489
175	Brewster	246	491
176	Brewster	247	493
177	Brewster	248	495
178	Brewster	249	497
179	Brewster	250	499
180	Brewster	251	501
181	Brewster	252	503
182	Brewster	253	505
183	Brewster	254	507
184	Brewster	255	509
185	Brewster	256	511
186	Brewster	257	513
187	Brewster	258	515
188	Brewster	259	517
189	Brewster	260	519
190	Brewster	261	521
191	Brewster	262	523
192	Brewster	263	525
193	Brewster	264	527
194	Brewster	265	529
195	Brewster	266	531
196	Brewster	267	533
197	Brewster	268	535
198	Brewster	269	537
199	Brewster	270	539
200	Brewster	271	541
201	Brewster	272	543
202	Brewster	273	545
203	Brewster	274	547
204	Brewster	275	549
205	Brewster	276	551
206	Brewster	277	553
207	Brewster	278	555
208	Brewster	279	557
209	Brewster	280	559
210	Brewster	281	561
211	Brewster	282	563
212	Brewster	283	565
213	Brewster	284	567
214	Brewster	285	569
215	Brewster	286	571
216	Brewster	287	573
217	Brewster	288	575
218	Brewster	289	577
219	Brewster	290	579
220	Brewster	291	581
221	Brewster	292	583
222	Brewster	293	585
223	Brewster	294	587
224	Brewster	295	589
225	Brewster	296	591
226	Brewster	297	593
227	Brewster	298	595
228	Brewster	299	597
229	Brewster	300	599
230	Brewster	301	601
231	Brewster	302	603
232	Brewster	303	605
233	Brewster	304	607
234	Brewster	305	609
235	Brewster	306	611
236	Brewster	307	613
237	Brewster	308	615
238	Brewster	309	617
239	Brewster	310	619
240	Brewster	311	621
241	Brewster	312	623
242	Brewster	313	625
243	Brewster	314	627
244	Brewster	315	629
245	Brewster	316	631
246	Brewster	317	633
247	Brewster	318	635
248	Brewster	319	637
249	Brewster	320	639
250	Brewster	321	641
251	Brewster	322	643
252	Brewster	323	645
253	Brewster	324	647
254	Brewster	325	649
255	Brewster	326	651
256	Brewster	327	653
257	Brewster	328	655
258	Brewster	329	657
259	Brewster	330	659
260	Brewster	331	661
261	Brewster	332	663
262	Brewster	333	665
263	Brewster	334	667
264	Brewster	335	669
265	Brewster	336	671
266	Brewster	337	673
267	Brewster	338	675
268	Brewster	339	677
269	Brewster	340	679
270	Brewster	341	681
271	Brewster	342	683
272	Brewster	343	685
273	Brewster	344	687
274	Brewster	345	689
275	Brewster	346	691
276	Brewster	347	693
277	Brewster	348	695
278	Brewster	349	697
279	Brewster	350	699
280	Brewster	351	701
281	Brewster	352	703
282	Brewster	353	705
283	Brewster	354	707
284	Brewster	355	709
285	Brewster	356	711
286	Brewster	357	713
287	Brewster	358	715
288	Brewster	359	717
289	Brewster	360	719
290	Brewster	361	721
291	Brewster	362	723
292	Brewster	363	725
293	Brewster	364	727
294	Brewster	365	729
295	Brewster	366	731
296	Brewster	367	733
297	Brewster	368	735
298	Brewster	369	737
299	Brewster	370	739
300	Brewster	371	741



City	HIS	County	Seq.
242	483	Wheeler	15
243	485	McLida	36
244	487	Willinger	35
245	489	Willacy	253
246	491	Williamson	168
247	493	Willson	216
248	495	Winkler	116
249	497	Wise	64
250	499	Wood	90
251	501	Yoakum	54
252	503	Young	62
253	505	Zapata	247
254	507	Zavala	224

City	HIS	County	Seq.
170	339	Managers	194
171	341	More	7
172	343	Morris	72
173	345	Mudley	31
174	347	Neuquoches	153
175	349	Newton	129
176	351	Newton	178
177	353	Nolan	98
178	355	Nueces	243
179	357	Ochiltree	4
180	359	Odessa	11
181	361	Orange	209
182	363	Palo Pinto	82
183	365	Panola	133
184	367	Parmer	242
185	369	Parmer	79
186	371	Pecos	159
187	373	Rusk	175
188	375	Patton	12

Links to Information and Data for Other Reportable Conditions

Reportable Condition	Data Resources
Acquired immune deficiency syndrome (AIDS)	http://www.dshs.state.tx.us/hivstd/reports/default.shtm
Asbestosis	http://www.dshs.state.tx.us/epitox/asbestosis.shtm
Cancer	http://www.dshs.state.tx.us/tcr/data.shtm
Chlamydia trachomatis infection	http://www.dshs.state.tx.us/hivstd/info/annual.shtm http://www.dshs.state.tx.us/hivstd/stats/default.shtm#surveillance
Chromosomal results (fetus and infant only)	http://www.dshs.state.tx.us/birthdefects/BD_data.shtm
Controlled substance overdose	http://www.dshs.state.tx.us/epidemiology/epipoison.shtm#rcso
Drowning/near drowning	http://www.dshs.state.tx.us/injury/data/
Gonorrhea	http://www.dshs.state.tx.us/hivstd/info/annual.shtm http://www.dshs.state.tx.us/hivstd/stats/default.shtm#surveillance
Hansen's disease (leprosy)	http://www.hrsa.gov/hansens/data.htm
Human immunodeficiency virus (HIV) infection	http://www.dshs.state.tx.us/hivstd/reports/default.shtm
Lead, adult blood	http://www.dshs.state.tx.us/lead/adult.data.shtm
Lead, child	http://www.dshs.state.tx.us/lead/Data,%20Statistics,%20and%20Surveillance.shtm
Pesticide poisoning, acute occupational	http://www.dshs.state.tx.us/epitox/pest.shtm#pubs
Silicosis	http://www.dshs.state.tx.us/epitox/silicosis.shtm
Spinal cord injury	http://www.dshs.state.tx.us/injury/data/ http://www.dshs.state.tx.us/idcu/health/dpn/issues/dpn62n20.pdf
Syphilis	http://www.dshs.state.tx.us/hivstd/info/annual.shtm http://www.dshs.state.tx.us/hivstd/stats/default.shtm#surveillance
Traumatic brain injury	http://www.dshs.state.tx.us/injury/data
Tuberculosis	http://www.dshs.state.tx.us/idcu/disease/tb/statistics/default.asp
Resources	
Notifiable Conditions in Texas (current version)	http://www.dshs.state.tx.us/idcu/investigation/forms/101A_color.pdf
Texas County Locator Map	http://www.dshs.state.tx.us/chs/gis/PDFs/CoLoca_V1.pdf



Texas Department of State Health Services
Infectious Disease Control Unit
www.dshs.state.tx.us//idcu/

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