

Texas TB Surveillance Report

2014 Annual Report

**Epidemiology and Supplemental Projects Group
Prepared February, 2016**



The Texas TB Surveillance Report is an annual report generated by:

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TB/HIV/STD Epidemiology and Surveillance Branch, MC 1873
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Important Notes on the Data:

This report describes Tuberculosis (TB) cases reported to the Texas Department of State Health Services Surveillance Program from January 1 to December 31, 2014, as well as historical data.

Population numbers used to calculate rates for 2005-2009 data are from the National Center for Health Statistics [Intercensal estimates of the resident population of the United States for July 1, 2000-July 1, 2009, by year, county, single-year of age (0, 1, 2, ..., 85 years and over), bridged race, Hispanic origin, and sex].

Population numbers used to calculate rates for 2010 data are from the National Center for Health Statistics [Estimates of the April 1, 2010 resident population of the United States, by county, single-year of age (0, 1, 2, ..., 85 years and over), bridged race, Hispanic origin, and sex].

Population numbers used to calculate rates for 2011-2014 data are from the National Center for Health Statistics [Vintage 2014 postcensal estimates of the resident population of the United States April 1, 2010, July 1, 2010-July 1, 2014, by year, county, single-year of age (0, 1, 2, ..., 85 years and over), bridged race, Hispanic origin, and sex].

Data on gender identity is not standardized in the Texas TB surveillance system. The sex of persons represented in this data may or may not reflect their current gender identity. DSHS is working to improve data collection on this population.

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Definitions

Tuberculosis (TB) infection is determined by a positive result from an Interferon-Gamma Release Assay (IGRA) test such as T-Spot TB® or QuantiFERON® - TB GOLD In-Tube (QFT-G) or a tuberculin skin test (TST), a normal chest radiograph with no presenting symptoms of TB disease.

Tuberculosis disease, is a contagious and an often severe airborne disease caused by *Mycobacterium tuberculosis*. TB typically affects the lungs, but it also may affect any other organ of the body. It is usually treated with a regimen of drugs taken for 6 months to 2 years, depending on the severity of the disease.

TB is used as an abbreviation for tuberculosis throughout the report.

Reporting Rules

The rules and regulations for reporting Tuberculosis have been adopted in the Texas Administrative Code, Chapter 97. The provisions for this chapter are issued under the Communicable Disease Prevention and Control Act, Health and Safety Code, Chapter 81, which provides the Board of Health with the authority to adopt rules concerning the reporting of communicable diseases; and §12.001, which provides the Texas Board of Health with the authority to adopt rules for the performance of every duty imposed by law on the Texas Board of Health, the Texas Department of State Health Services, and the Commissioner of Health. A copy of the rules can be obtained from the Texas Department of State Health Services at:

<http://www.dshs.state.tx.us/hivstd/healthcare/reporting.shtm>

Information on how to report Tuberculosis cases can be obtained by calling your local or regional health department, or by calling 1-800-705-8868.

Tuberculosis: Brief Overview and Quick Facts

Description and Background

Tuberculosis (TB) is a disease caused by bacteria that spread from person to person through the air. TB usually affects the lungs, but it can also affect other parts of the body, such as the brain, the kidneys or the spine. A person with TB can die if treatment is not provided.

Not everyone infected with the bacteria becomes sick. Persons who do have symptoms – such as a cough, fever, night sweats, weight loss, chest pain, or fatigue – are most likely suffering from TB disease. Those with TB disease may be infectious. Prompt treatment is essential to end symptoms and prevent disability or death. Those who are infected with TB bacteria but do not have any symptoms and have a normal chest x-ray have latent TB infection (LTBI). Those with LTBI still require treatment to decrease the risk of future TB disease.

Tuberculosis Screening and Treatment*

There are two tests that can be used to help detect TB infection: a skin test or a special TB blood test. The Mantoux tuberculin skin test is performed by injecting a small amount of fluid (called tuberculin) into the skin in the lower part of the arm. A person given the tuberculin skin test must return within 48 to 72 hours to have a trained health care worker look for a reaction on the arm. The special TB blood test measures how the patient's immune system reacts to the germs that cause TB.

In recent years, blood tests known as Interferon Gamma Release Assays (IGRAs) have been developed to screen for tuberculosis (TB). White blood cells release interferon gamma (IFN-g) in response to contact with TB antigens. If the test result is positive, there is an immune response indicating the presence of TB bacteria.

There are currently two Federal Drug Administration (FDA) approved blood tests on the market: the QuantiFERON®-TB Gold In-Tube test (QFT-GIT) and the T-SPOT®.TB test (T-Spot). The Department of State Health Services Laboratory Services Section Molecular and Serological Analysis Group processes specimens for the QFT-GIT test. Although the tuberculin skin test has been the conventional screening method in Texas, regional and local tuberculosis programs are adopting the IGRA test as the standard tool to screen for TB.

Treating TB disease generally requires up to four medications given for six months. Treating individuals with drug-resistant TB requires costly medications that may be used for an extended period of time. LTBI is generally treated with one medication for 9-12 months. Treatment of suspects varies according to the outcome of their diagnostic tests.

2014 Texas Tuberculosis Quick Facts

Number of reported Tuberculosis cases: 1,269
Tuberculosis rate per 100,000 Texas residents: 4.7
Percent change in Tuberculosis rate from 2013: +2.2%

Table 1: Summary of TB Cases and Contacts by County in Texas, 2014

County	2014												
	Cases									Contacts			
	Total	with Diabetes	with Alcohol Abuse	diagnosed in a Correctional Facility	diagnosed while Homeless	diagnosed while under ICE* custody	who are IDU†	who are Non-IDU†	diagnosed while in LTC‡	Exposed	Screened	TB Infection (formally called LTBI)	TB Disease
Anderson	0	0	0	0	0	0	0	0	0	0	0	0	0
Andrews	0	0	0	0	0	0	0	0	0	0	0	0	0
Angelina	1	0	0	0	0	0	0	0	0	0	0	0	0
Aransas	0	0	0	0	0	0	0	0	0	0	0	0	0
Archer	0	0	0	0	0	0	0	0	0	0	0	0	0
Armstrong	0	0	0	0	0	0	0	0	0	0	0	0	0
Atascosa	1	1	0	0	0	0	0	0	0	14	12	0	0
Austin	3	0	0	0	0	0	0	1	0	4	4	3	0
Bailey	1	0	0	0	0	0	0	0	0	3	0	0	0
Bandera	0	0	0	0	0	0	0	0	0	0	0	0	0
Bastrop	2	0	0	0	0	0	0	0	0	9	9	0	0
Baylor	0	0	0	0	0	0	0	0	0	0	0	0	0
Bee	2	1	0	0	0	0	0	0	0	7	7	1	0
Bell	3	1	0	0	0	0	0	0	0	21	20	2	0
Bexar	89	25	22	7	10	0	6	12	1	456	330	94	7
Blanco	0	0	0	0	0	0	0	0	0	0	0	0	0
Borden	0	0	0	0	0	0	0	0	0	0	0	0	0
Bosque	1	1	0	0	0	0	0	0	0	17	16	1	0
Bowie	2	1	0	0	0	0	0	0	0	15	11	2	0
Brazoria	12	2	3	0	1	0	0	3	1	40	34	3	0
Brazos	6	2	0	0	0	0	0	0	0	43	36	6	0
Brewster	0	0	0	0	0	0	0	0	0	0	0	0	0
Briscoe	0	0	0	0	0	0	0	0	0	0	0	0	0
Brooks	2	0	0	2	0	2	0	0	0	179	179	0	0
Brown	0	0	0	0	0	0	0	0	0	0	0	0	0
Burleson	0	0	0	0	0	0	0	0	0	0	0	0	0
Burnet	3	0	2	0	0	0	0	1	0	18	16	8	2
Caldwell	3	1	1	0	0	0	0	0	0	12	6	1	0
Calhoun	2	0	0	0	0	0	0	0	0	1	1	1	0
Callahan	0	0	0	0	0	0	0	0	0	0	0	0	0
Cameron	67	5	8	34	1	33	1	2	2	369	284	25	0
Camp	0	0	0	0	0	0	0	0	0	0	0	0	0
Carson	0	0	0	0	0	0	0	0	0	0	0	0	0
Cass	0	0	0	0	0	0	0	0	0	0	0	0	0
Castro	0	0	0	0	0	0	0	0	0	0	0	0	0
Chambers	1	0	0	0	0	0	0	0	0	0	0	0	0
Cherokee	0	0	0	0	0	0	0	0	0	0	0	0	0
Childress	0	0	0	0	0	0	0	0	0	0	0	0	0
Clay	0	0	0	0	0	0	0	0	0	0	0	0	0
Cochran	0	0	0	0	0	0	0	0	0	0	0	0	0
Coke	0	0	0	0	0	0	0	0	0	0	0	0	0
Coleman	0	0	0	0	0	0	0	0	0	0	0	0	0
Collin	27	2	1	0	2	0	0	0	0	202	130	21	0
Collingsworth	0	0	0	0	0	0	0	0	0	0	0	0	0
Colorado	0	0	0	0	0	0	0	0	0	0	0	0	0
Comal	0	0	0	0	0	0	0	0	0	0	0	0	0
Comanche	1	0	1	0	0	0	0	0	0	5	3	2	0
Concho	2	0	0	2	0	0	0	0	0	0	0	0	0
Cooke	1	1	1	0	0	0	0	0	0	20	19	0	0
Coryell	0	0	0	0	0	0	0	0	0	0	0	0	0
Cottle	0	0	0	0	0	0	0	0	0	0	0	0	0

* U.S. Immigration and Customs Enforcement

† Intravenous Drug User (Non-IDU represent drug users who do not engage in intravenous drug use)

‡ Long-Term Care

Table 1: Summary of TB Cases and Contacts by County in Texas, 2014 (continued)

County	2014												
	Cases									Contacts			
	Total	with Diabetes	with Alcohol Abuse	diagnosed in a Correctional Facility	diagnosed while Homeless	diagnosed while under ICE* custody	who are IDU†	who are Non-IDU†	diagnosed while in LTC‡	Exposed	Screened	TB Infection (formally called LTBI)	TB Disease
Crane	0	0	0	0	0	0	0	0	0	0	0	0	0
Crockett	0	0	0	0	0	0	0	0	0	0	0	0	0
Crosby	0	0	0	0	0	0	0	0	0	0	0	0	0
Culberson	0	0	0	0	0	0	0	0	0	0	0	0	0
Dallam	1	0	0	0	0	0	0	0	0	0	0	0	0
Dallas	167	24	40	2	16	0	3	15	2	1599	1227	451	11
Dawson	0	0	0	0	0	0	0	0	0	0	0	0	0
Deaf Smith	1	0	0	0	0	0	0	0	0	4	4	0	0
Delta	0	0	0	0	0	0	0	0	0	0	0	0	0
Denton	16	4	1	0	0	0	0	0	0	219	170	58	6
DeWitt	0	0	0	0	0	0	0	0	0	0	0	0	0
Dickens	0	0	0	0	0	0	0	0	0	0	0	0	0
Dimmit	1	1	1	0	0	0	0	0	0	10	9	0	0
Donley	0	0	0	0	0	0	0	0	0	0	0	0	0
Duval	0	0	0	0	0	0	0	0	0	0	0	0	0
Eastland	1	0	0	0	0	0	0	1	0	1	1	0	0
Ector	1	0	0	0	0	0	0	0	0	0	0	0	0
Edwards	0	0	0	0	0	0	0	0	0	0	0	0	0
Ellis	2	0	0	0	0	0	0	0	0	8	7	2	0
El Paso	43	14	9	5	4	3	2	4	2	396	305	85	4
Erath	1	0	0	0	0	0	0	0	0	3	3	2	0
Falls	0	0	0	0	0	0	0	0	0	0	0	0	0
Fannin	0	0	0	0	0	0	0	0	0	0	0	0	0
Fayette	0	0	0	0	0	0	0	0	0	0	0	0	0
Fisher	0	0	0	0	0	0	0	0	0	0	0	0	0
Floyd	0	0	0	0	0	0	0	0	0	0	0	0	0
Foard	0	0	0	0	0	0	0	0	0	0	0	0	0
Fort Bend	19	7	0	0	1	0	0	1	0	199	168	35	1
Franklin	0	0	0	0	0	0	0	0	0	0	0	0	0
Freestone	0	0	0	0	0	0	0	0	0	0	0	0	0
Frio	18	1	0	16	0	16	0	1	0	70	18	2	0
Gaines	0	0	0	0	0	0	0	0	0	0	0	0	0
Galveston	15	1	7	0	0	0	0	4	0	60	60	4	1
Garza	1	0	0	1	0	0	0	0	0	0	0	0	0
Gillespie	0	0	0	0	0	0	0	0	0	0	0	0	0
Glasscock	0	0	0	0	0	0	0	0	0	0	0	0	0
Goliad	0	0	0	0	0	0	0	0	0	0	0	0	0
Gonzales	0	0	0	0	0	0	0	0	0	0	0	0	0
Gray	2	1	0	0	0	0	0	0	0	4	4	0	0
Grayson	0	0	0	0	0	0	0	0	0	0	0	0	0
Gregg	6	0	0	0	0	0	0	0	0	180	138	14	1
Grimes	0	0	0	0	0	0	0	0	0	0	0	0	0
Guadalupe	1	0	0	0	0	0	0	0	0	9	9	5	0
Hale	4	0	0	0	0	0	0	0	0	0	0	0	0
Hall	0	0	0	0	0	0	0	0	0	0	0	0	0
Hamilton	1	0	0	0	0	0	1	0	0	13	13	3	0
Hansford	0	0	0	0	0	0	0	0	0	0	0	0	0
Hardeman	0	0	0	0	0	0	0	0	0	0	0	0	0
Hardin	0	0	0	0	0	0	0	0	0	0	0	0	0
Harris	320	83	54	28	15	10	19	36	2	761	664	182	8
Harrison	3	2	0	0	0	0	0	1	0	8	6	0	0

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‡ Long-Term Care

Table 1: Summary of TB Cases and Contacts by County in Texas, 2014 (continued)

County	2014												
	Cases									Contacts			
	Total	with Diabetes	with Alcohol Abuse	diagnosed in a Correctional Facility	diagnosed while Homeless	diagnosed while under ICE* custody	who are IDU†	who are Non-IDU†	diagnosed while in LTC‡	Exposed	Screened	TB Infection (formally called LTBI)	TB Disease
Hartley	0	0	0	0	0	0	0	0	0	0	0	0	0
Haskell	0	0	0	0	0	0	0	0	0	0	0	0	0
Hays	2	1	0	0	0	0	0	0	0	25	23	0	0
Hemphill	1	0	0	0	0	0	0	0	0	2	1	1	0
Henderson	6	1	1	0	0	0	0	0	0	145	94	19	1
Hidalgo	70	15	21	3	2	2	1	13	0	2065	1359	408	6
Hill	1	0	0	0	0	0	0	0	0	0	0	0	0
Hockley	0	0	0	0	0	0	0	0	0	0	0	0	0
Hood	0	0	0	0	0	0	0	0	0	0	0	0	0
Hopkins	1	0	0	0	0	0	0	0	0	0	0	0	0
Houston	1	0	0	1	0	0	0	0	0	19	17	1	0
Howard	4	0	0	4	0	3	0	0	0	70	19	1	0
Hudspeth	0	0	0	0	0	0	0	0	0	0	0	0	0
Hunt	0	0	0	0	0	0	0	0	0	0	0	0	0
Hutchinson	4	0	0	0	0	0	0	0	0	0	0	0	0
Irion	0	0	0	0	0	0	0	0	0	0	0	0	0
Jack	0	0	0	0	0	0	0	0	0	0	0	0	0
Jackson	1	0	0	0	0	0	0	0	0	10	10	0	0
Jasper	1	0	0	0	0	0	0	0	0	0	0	0	0
Jeff Davis	0	0	0	0	0	0	0	0	0	0	0	0	0
Jefferson	4	0	1	0	1	0	1	1	0	149	61	3	0
Jim Hogg	0	0	0	0	0	0	0	0	0	0	0	0	0
Jim Wells	0	0	0	0	0	0	0	0	0	0	0	0	0
Johnson	1	0	0	0	0	0	0	0	0	10	9	5	1
Jones	0	0	0	0	0	0	0	0	0	0	0	0	0
Karnes	1	0	0	1	0	1	0	0	0	0	0	0	0
Kaufman	1	1	0	0	0	0	0	0	0	36	35	2	0
Kendall	0	0	0	0	0	0	0	0	0	0	0	0	0
Kenedy	0	0	0	0	0	0	0	0	0	0	0	0	0
Kent	0	0	0	0	0	0	0	0	0	0	0	0	0
Kerr	1	0	0	0	0	0	0	0	0	5	5	0	0
Kimble	0	0	0	0	0	0	0	0	0	0	0	0	0
King	0	0	0	0	0	0	0	0	0	0	0	0	0
Kinney	0	0	0	0	0	0	0	0	0	0	0	0	0
Kleberg	0	0	0	0	0	0	0	0	0	0	0	0	0
Knox	0	0	0	0	0	0	0	0	0	0	0	0	0
Lamar	0	0	0	0	0	0	0	0	0	0	0	0	0
Lamb	3	0	0	0	0	0	0	0	0	0	0	0	0
Lampasas	0	0	0	0	0	0	0	0	0	0	0	0	0
La Salle	3	0	1	3	0	0	0	2	0	18	9	0	0
Lavaca	0	0	0	0	0	0	0	0	0	0	0	0	0
Lee	0	0	0	0	0	0	0	0	0	0	0	0	0
Leon	1	0	0	0	0	0	0	0	0	14	7	1	0
Liberty	2	1	1	0	0	0	0	0	0	38	34	9	0
Limestone	1	1	1	0	0	0	0	0	0	64	63	1	0
Lipscomb	0	0	0	0	0	0	0	0	0	0	0	0	0
Live Oak	0	0	0	0	0	0	0	0	0	0	0	0	0
Llano	0	0	0	0	0	0	0	0	0	0	0	0	0
Loving	0	0	0	0	0	0	0	0	0	0	0	0	0
Lubbock	4	2	0	0	0	0	0	0	0	0	0	0	0
Lynn	0	0	0	0	0	0	0	0	0	0	0	0	0

* U.S. Immigration and Customs Enforcement

† Intravenous Drug User (Non-IDU represent drug users who do not engage in intravenous drug use)

‡ Long-Term Care

Table 1: Summary of TB Cases and Contacts by County in Texas, 2014 (continued)

County	2014												
	Cases									Contacts			
	Total	with Diabetes	with Alcohol Abuse	diagnosed in a Correctional Facility	diagnosed while Homeless	diagnosed while under ICE* custody	who are IDU†	who are Non-IDU†	diagnosed while in LTC‡	Exposed	Screened	TB Infection (formally called LTBI)	TB Disease
McCulloch	0	0	0	0	0	0	0	0	0	0	0	0	0
McLennan	0	0	0	0	0	0	0	0	0	0	0	0	0
McMullen	0	0	0	0	0	0	0	0	0	0	0	0	0
Madison	0	0	0	0	0	0	0	0	0	0	0	0	0
Marion	0	0	0	0	0	0	0	0	0	0	0	0	0
Martin	0	0	0	0	0	0	0	0	0	0	0	0	0
Mason	0	0	0	0	0	0	0	0	0	0	0	0	0
Matagorda	0	0	0	0	0	0	0	0	0	0	0	0	0
Maverick	9	0	1	0	0	0	0	2	0	36	34	11	5
Medina	0	0	0	0	0	0	0	0	0	0	0	0	0
Menard	0	0	0	0	0	0	0	0	0	0	0	0	0
Midland	1	0	0	0	0	0	0	0	0	12	10	1	0
Milam	0	0	0	0	0	0	0	0	0	0	0	0	0
Mills	0	0	0	0	0	0	0	0	0	0	0	0	0
Mitchell	0	0	0	0	0	0	0	0	0	0	0	0	0
Montague	0	0	0	0	0	0	0	0	0	0	0	0	0
Montgomery	6	0	2	1	0	0	0	0	0	26	23	2	0
Moore	12	2	0	0	0	0	0	0	0	10	7	4	1
Morris	1	0	0	0	0	0	0	0	0	13	11	4	0
Motley	0	0	0	0	0	0	0	0	0	0	0	0	0
Nacogdoches	4	1	0	0	0	0	0	0	0	19	13	1	0
Navarro	0	0	0	0	0	0	0	0	0	0	0	0	0
Newton	0	0	0	0	0	0	0	0	0	0	0	0	0
Nolan	1	1	0	0	0	0	0	0	0	1	1	1	0
Nueces	15	3	2	0	1	0	0	0	0	106	66	14	0
Ochiltree	0	0	0	0	0	0	0	0	0	0	0	0	0
Oldham	0	0	0	0	0	0	0	0	0	0	0	0	0
Orange	1	0	0	0	0	0	0	0	0	0	0	0	0
Palo Pinto	2	0	1	0	0	0	1	1	0	6	6	2	0
Panola	1	0	0	0	0	0	0	0	0	12	5	0	0
Parker	1	1	1	0	0	0	0	0	0	12	12	5	0
Parmer	2	0	0	0	0	0	0	0	0	3	0	0	0
Pecos	0	0	0	0	0	0	0	0	0	0	0	0	0
Polk	0	0	0	0	0	0	0	0	0	0	0	0	0
Potter	14	0	0	0	0	0	0	0	0	38	27	12	0
Presidio	0	0	0	0	0	0	0	0	0	0	0	0	0
Rains	0	0	0	0	0	0	0	0	0	0	0	0	0
Randall	1	0	0	0	0	0	0	0	0	0	0	0	0
Reagan	0	0	0	0	0	0	0	0	0	0	0	0	0
Real	0	0	0	0	0	0	0	0	0	0	0	0	0
Red River	1	0	0	0	0	0	0	0	0	5	5	2	0
Reeves	3	1	0	2	0	1	0	1	0	25	22	4	0
Refugio	0	0	0	0	0	0	0	0	0	0	0	0	0
Roberts	0	0	0	0	0	0	0	0	0	0	0	0	0
Robertson	0	0	0	0	0	0	0	0	0	0	0	0	0
Rockwall	3	1	0	0	0	0	0	0	0	40	31	8	0
Runnels	0	0	0	0	0	0	0	0	0	0	0	0	0
Rusk	9	1	0	0	0	0	0	0	0	117	110	14	4
Sabine	0	0	0	0	0	0	0	0	0	0	0	0	0
San Augustine	0	0	0	0	0	0	0	0	0	0	0	0	0
San Jacinto	0	0	0	0	0	0	0	0	0	0	0	0	0

* U.S. Immigration and Customs Enforcement

† Intravenous Drug User (Non-IDU represent drug users who do not engage in intravenous drug use)

‡ Long-Term Care

Table 1: Summary of TB Cases and Contacts by County in Texas, 2014 (continued)

County	2014												
	Cases									Contacts			
	Total	with Diabetes	with Alcohol Abuse	diagnosed in a Correctional Facility	diagnosed while Homeless	diagnosed while under ICE* custody	who are IDU†	who are Non-IDU†	diagnosed while in LTC‡	Exposed	Screened	TB Infection (formally called LTBI)	TB Disease
San Patricio	1	0	0	0	0	0	0	0	1	0	0	0	0
San Saba	0	0	0	0	0	0	0	0	0	0	0	0	0
Schleicher	0	0	0	0	0	0	0	0	0	0	0	0	0
Scurry	0	0	0	0	0	0	0	0	0	0	0	0	0
Shackelford	0	0	0	0	0	0	0	0	0	0	0	0	0
Shelby	1	0	0	0	0	0	0	0	0	0	0	0	0
Sherman	0	0	0	0	0	0	0	0	0	0	0	0	0
Smith	1	0	0	0	0	0	0	1	0	5	5	0	0
Somervell	0	0	0	0	0	0	0	0	0	0	0	0	0
Starr	6	2	1	0	0	0	0	1	0	55	43	17	0
Stephens	0	0	0	0	0	0	0	0	0	0	0	0	0
Sterling	0	0	0	0	0	0	0	0	0	0	0	0	0
Stonewall	0	0	0	0	0	0	0	0	0	0	0	0	0
Sutton	0	0	0	0	0	0	0	0	0	0	0	0	0
Swisher	0	0	0	0	0	0	0	0	0	0	0	0	0
Tarrant	77	14	7	4	1	0	2	5	0	1083	666	70	1
Taylor	1	0	0	0	0	0	0	0	0	10	10	3	0
Terrell	0	0	0	0	0	0	0	0	0	0	0	0	0
Terry	1	1	0	0	0	0	0	0	0	2	1	1	0
Throckmorton	0	0	0	0	0	0	0	0	0	0	0	0	0
Titus	1	0	0	0	0	0	0	0	0	11	11	0	0
Tom Green	2	1	0	0	0	0	0	0	0	18	18	0	0
Travis	49	11	7	0	3	0	1	2	1	1127	984	91	2
Trinity	0	0	0	0	0	0	0	0	0	0	0	0	0
Tyler	0	0	0	0	0	0	0	0	0	0	0	0	0
Upshur	1	0	0	0	0	0	0	0	0	7	7	0	0
Upton	0	0	0	0	0	0	0	0	0	0	0	0	0
Uvalde	0	0	0	0	0	0	0	0	0	0	0	0	0
Val Verde	4	1	1	1	0	0	0	0	0	30	19	1	0
Van Zandt	0	0	0	0	0	0	0	0	0	0	0	0	0
Victoria	1	1	0	0	0	0	0	0	0	25	18	1	0
Walker	0	0	0	0	0	0	0	0	0	0	0	0	0
Waller	3	1	1	0	0	0	0	0	0	3	3	1	0
Ward	0	0	0	0	0	0	0	0	0	0	0	0	0
Washington	1	0	0	0	0	0	0	0	0	5	3	1	0
Webb	25	6	1	3	0	0	1	3	0	324	298	52	3
Wharton	1	1	0	0	0	0	0	0	0	17	17	7	0
Wheeler	0	0	0	0	0	0	0	0	0	0	0	0	0
Wichita	2	0	1	0	0	0	0	0	0	18	11	3	0
Wilbarger	0	0	0	0	0	0	0	0	0	0	0	0	0
Willacy	0	0	0	0	0	0	0	0	0	0	0	0	0
Williamson	8	2	1	1	0	1	0	0	0	66	55	13	1
Wilson	0	0	0	0	0	0	0	0	0	0	0	0	0
Winkler	0	0	0	0	0	0	0	0	0	0	0	0	0
Wise	0	0	0	0	0	0	0	0	0	0	0	0	0
Wood	2	0	0	0	0	0	0	0	0	20	19	5	1
Yoakum	0	0	0	0	0	0	0	0	0	0	0	0	0
Young	0	0	0	0	0	0	0	0	0	0	0	0	0
Zapata	1	0	0	1	0	0	0	1	0	5	2	0	0
Zavala	0	0	0	0	0	0	0	0	0	0	0	0	0
TDCJ	23	3	5	23	0	0	6	12	0	252	225	65	1
Total	1269	258	209	145	58	72	45	127	12	11213	8467	1880	68

* U.S. Immigration and Customs Enforcement

† Intravenous Drug User (Non-IDU represent drug users who do not engage in intravenous drug use)

‡ Long-Term Care

Table 2: TB Case Count and Rate by Sex, Race/Ethnicity and Age Group, 2010-2014

	2010		2011		2012		2013		2014	
	Count	Rate*	Count	Rate*	Count	Rate*	Count	Rate*	Count	Rate*
Sex										
Male	909	7.2	860	6.6	788	6.0	799	6.0	843	6.2
Female	472	3.8	459	3.6	445	3.4	423	3.2	426	3.2
Total	1381	5.5	1319	5.1	1233	4.7	1222	4.6	1269	4.7
Race/Ethnicity										
White	200	1.7	157	1.3	162	1.4	171	1.4	114	1.0
Black	256	8.6	248	8.2	224	7.2	227	7.1	222	6.8
Hispanic	709	7.5	693	7.1	639	6.4	625	6.1	696	6.7
Asian/Pacific Islander	211	20.6	219	20.2	208	18.3	197	16.5	229	18.3
American Indian/Alaska Native	5	5.4	2	2.1	0	0.0	0	0.0	3	3.0
Other	0	-	0	-	0	-	2	-	5	-
Unknown	0		0		0		0		0	
Total	1381	5.5	1319	5.1	1233	4.7	1222	4.6	1269	4.7
Age Group										
0-5	69	3.0	72	3.1	52	2.2	55	2.3	52	2.2
6-13	26	0.9	21	0.7	23	0.7	15	0.5	20	0.6
14-17	28	1.9	35	2.3	36	2.4	28	1.8	25	1.6
18-24	139	5.4	114	4.3	122	4.5	129	4.7	116	4.2
25-34	249	6.9	225	6.1	194	5.1	203	5.3	213	5.4
35-44	239	6.9	232	6.6	180	5.1	162	4.5	201	5.5
45-54	250	7.3	203	5.9	217	6.3	224	6.5	213	6.1
55-64	188	7.2	205	7.5	211	7.5	200	6.9	216	7.3
65-74	94	6.4	121	7.9	109	6.6	105	6.0	118	6.4
75+	99	8.8	91	7.8	89	7.4	101	8.2	95	7.5
Total	1381	5.5	1319	5.1	1233	4.7	1222	4.6	1269	4.7

* Rates represent cases per 100,000 population.

Note: Transgender persons may be included in male, female, or unknown sex categories

Table 3: TB Case Count and Rate by Age Group and Race/Ethnicity, 2014

Race/Ethnicity	White		Black		Hispanic		Asian/Pacific Islander		American Indian/Alaska Native		Other	
	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*
0-5	6	0.8	9	3.2	32	2.7	4	4.0	0	0.0	1	-
6-13	1	0.1	5	1.3	12	0.8	2	1.4	0	0.0	0	-
14-17	2	0.4	3	1.5	17	2.3	3	4.8	0	0.0	0	-
18-24	6	0.6	15	4.0	67	5.5	26	22.4	1	8.7	1	-
25-34	7	0.4	34	6.9	127	7.9	43	19.4	0	0.0	2	-
35-44	7	0.5	42	9.4	121	8.3	30	13.6	1	7.6	0	-
45-54	29	1.7	47	10.9	103	8.9	33	19.8	1	6.7	0	-
55-64	27	1.6	48	14.0	102	13.1	39	31.9	0	0.0	0	-
65-74	16	1.4	12	7.0	60	14.5	29	41.8	0	0.0	1	-
75+	13	1.5	7	6.8	55	20.9	20	58.2	0	0.0	0	-
Total	114	1.0	222	6.8	696	6.7	229	18.3	3	3.0	5	-

* Rates represent cases per 100,000

Figure 1: Texas TB Cases and Rates by Report Year, 2010-2014

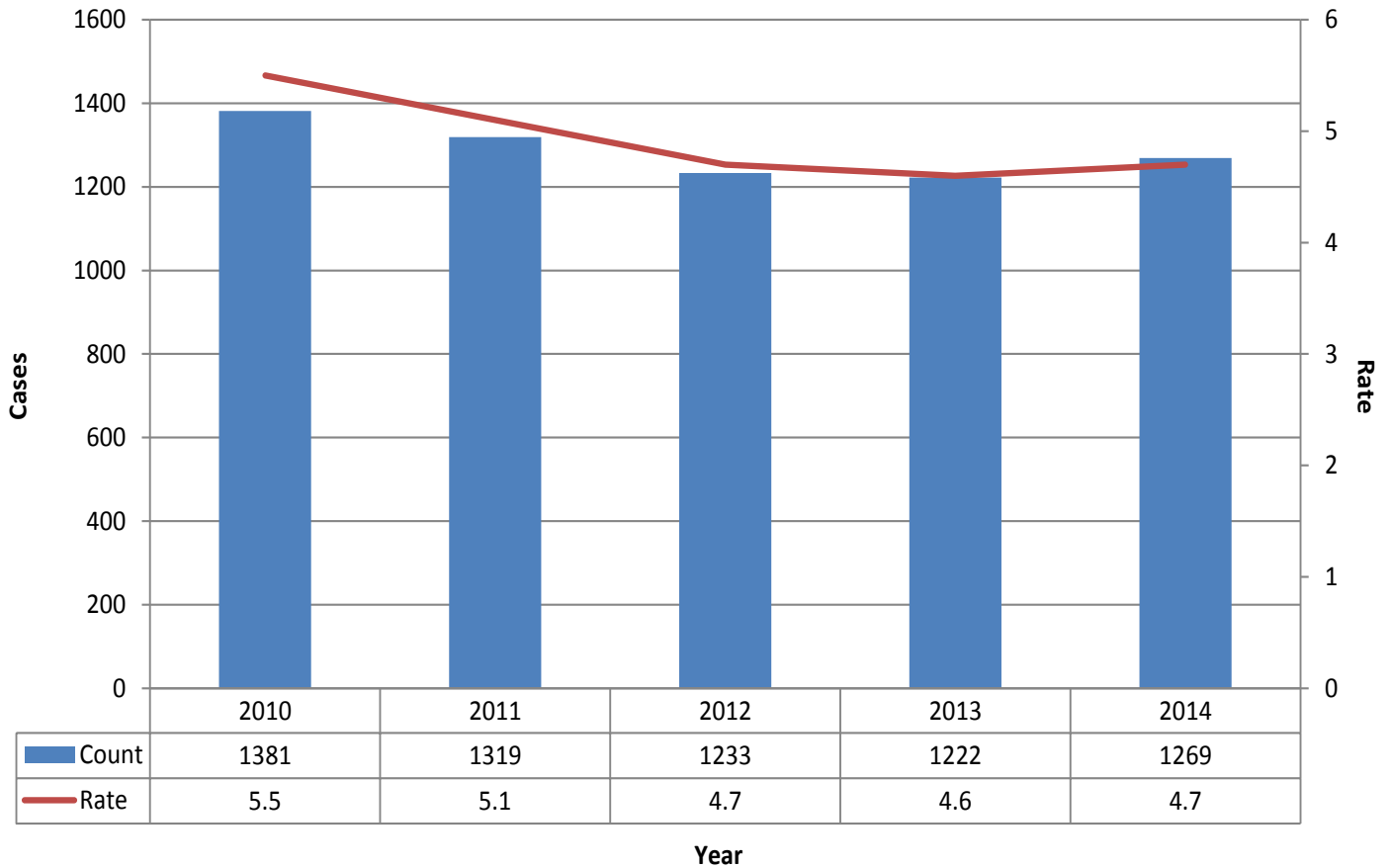


Figure 2: Texas TB Case Rate by Race and Report Year, 2010-2014

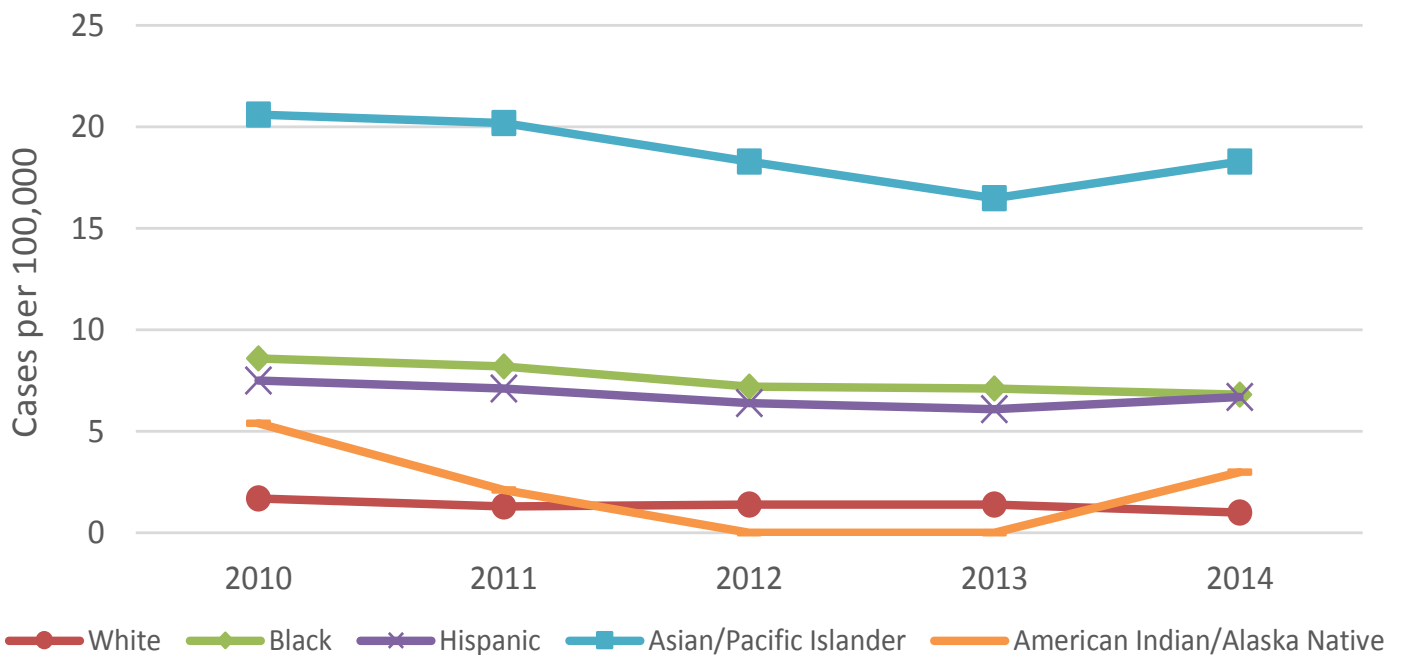
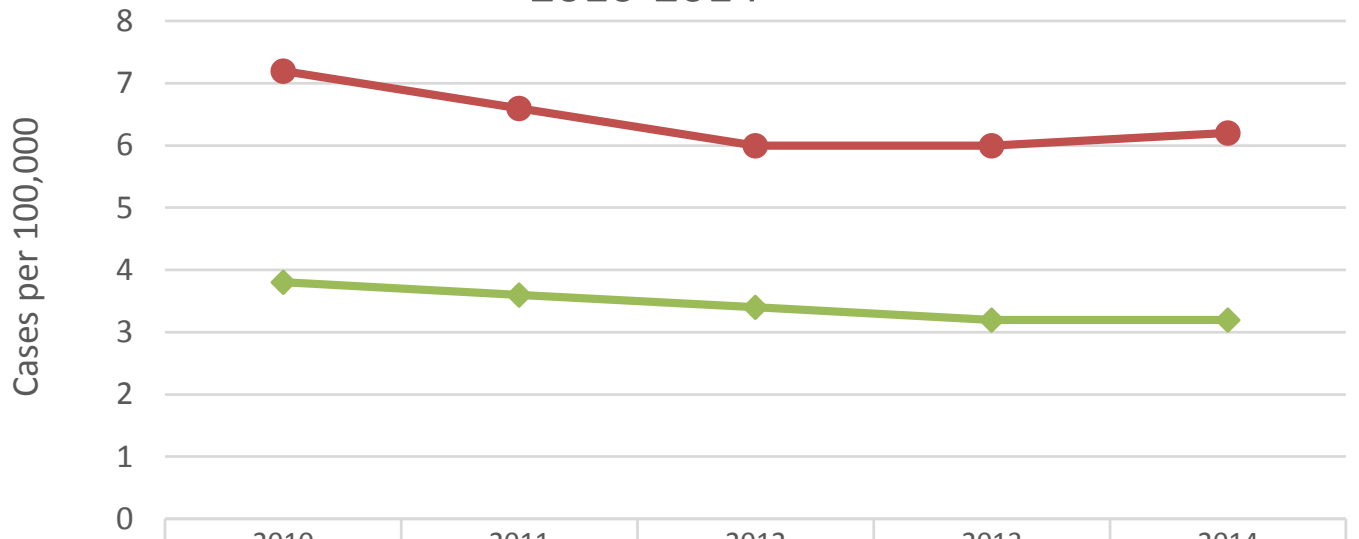
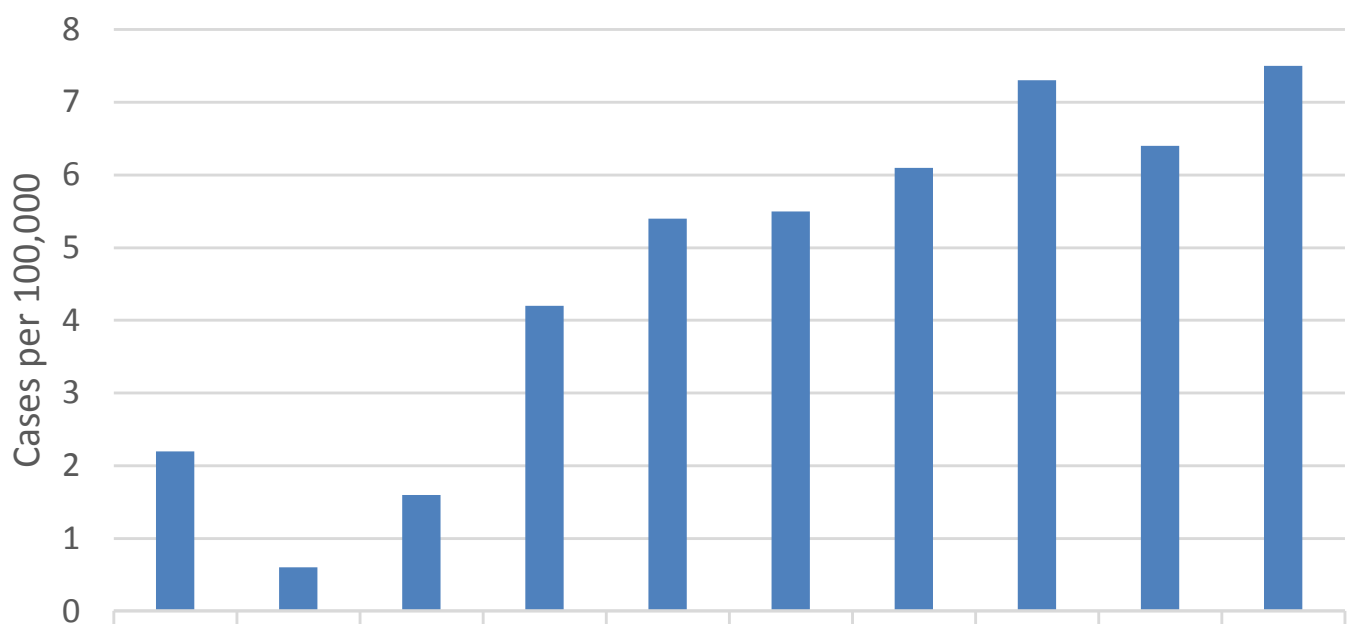


Figure 3: Texas TB Case Rate by Sex and Report Year, 2010-2014



Male	7.2	6.6	6	6	6.2
Female	3.8	3.6	3.4	3.2	3.2

Figure 4: Texas TB Case Rate by Age Group, 2014



2014	2.2	0.6	1.6	4.2	5.4	5.5	6.1	7.3	6.4	7.5
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Table 4: TB Case Count and Rate by Age Group and Sex, 2010-2014																				
Age Group	2010				2011				2012				2013				2014			
	Male		Female		Male		Female		Male		Female		Male		Female		Male		Female	
	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*
0-5	42	3.6	27	2.4	46	3.9	26	2.3	22	1.8	30	2.6	34	2.8	21	1.8	26	2.2	26	2.3
6-13	15	1.0	11	0.7	8	0.5	13	0.9	8	0.5	15	1.0	8	0.5	7	0.5	11	0.7	9	0.6
14-17	14	1.8	14	1.9	22	2.9	13	1.8	18	2.3	18	2.4	14	1.8	14	1.9	12	1.5	13	1.7
18-24	80	6.1	59	4.7	66	4.9	48	3.8	75	5.4	47	3.6	77	5.5	52	3.9	71	5.0	45	3.4
25-34	155	8.5	94	5.2	132	7.1	93	5.1	111	5.8	83	4.5	123	6.3	80	4.2	140	7.0	73	3.8
35-44	164	9.5	75	4.3	141	8.1	91	5.2	118	6.7	62	3.5	103	5.8	59	3.3	139	7.7	62	3.4
45-54	177	10.4	73	4.2	158	9.2	45	2.6	156	9.1	61	3.5	164	9.6	60	3.4	151	8.8	62	3.5
55-64	135	10.7	53	4.0	146	11.0	59	4.2	156	11.5	55	3.8	147	10.5	53	3.6	152	10.6	64	4.2
65-74	66	9.6	28	3.6	79	11.0	42	5.1	68	8.8	41	4.7	69	8.4	36	3.9	78	9.1	40	4.1
75+	61	13.6	38	5.6	62	13.3	29	4.1	56	11.6	33	4.6	60	12.0	41	5.6	63	12.2	32	4.3
Total	909	7.2	472	3.8	860	6.6	459	3.6	788	6.0	445	3.4	799	6.0	423	3.2	843	6.2	426	3.2
Race/Ethnicity																				
White	145	2.5	55	0.9	118	2	39	0.7	112	1.9	50	0.8	120	2	51	0.9	78	1.3	36	0.6
Black	179	12.5	77	5	167	11.4	81	5.2	131	8.7	93	5.8	145	9.4	82	5	151	9.6	71	4.2
Hispanic	464	9.7	245	5.2	467	9.5	226	4.7	425	8.5	214	4.3	412	8	213	4.2	474	9.1	222	4.3
Asian/Pacific Islander	119	23.9	92	17.5	107	20.3	112	20.1	120	21.6	88	15.1	121	20.8	76	12.4	135	22.1	94	14.6
American Indian/Alaska Native	2	4.4	3	6.4	1	2.1	1	2.1	0	0	0	0	0	0	0	0	2	4.0	1	2.0
Other	0	-	0	-	0	-	0	-	0	-	0	-	1	-	1	-	3	-	2	-
Unknown	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
Total	909	7.2	472	3.8	860	6.6	459	3.6	788	6	445	3.4	799	6	423	3.2	843	6.2	426	3.2

* Rates represent cases per 100,000

Note: Transgender persons may be included in male, female, or unknown categories

Table 5: TB Deaths and Rate by Sex, Race/Ethnicity and Age Group, 2010-2014											
	2010		2011		2012		2013		2014		
	Count	Rate*	Count	Rate*	Count	Rate*	Count	Rate*	Count	Rate*	
Sex											
Male	69	0.5	61	0.5	45	0.3	62	0.5	47	0.3	
Female	26	0.2	22	0.2	19	0.1	25	0.2	16	0.1	
Total	95	0.4	83	0.3	64	0.2	87	0.3	63	0.2	
Race/Ethnicity											
White	18	0.2	18	0.2	13	0.1	16	0.1	10	0.1	
Black	19	0.6	20	0.7	13	0.4	16	0.5	12	0.4	
Hispanic	46	0.5	33	0.3	31	0.3	46	0.5	31	0.3	
Asian/Pacific Islander	11	1.1	12	1.1	7	0.6	9	0.8	10	0.8	
American Indian/Alaska Native	1	1.1	0	0.0	0	0.0	0	0.0	0	0.0	
Other	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	
Unknown	0	-	0	-	0	-	0	-	0	-	
Total	95	0.4	83	0.3	64	0.2	87	0.3	63	0.2	
Age Group											
0-5	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	
6-13	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	
14-17	1	0.1	1	0.1	0	0.0	0	0.0	1	0.1	
18-24	2	0.1	1	<0.1	0	0.0	2	0.1	2	0.1	
25-34	8	0.2	3	0.1	1	<0.1	3	0.1	1	<0.1	
35-44	11	0.3	7	0.2	5	0.1	5	0.1	8	0.2	
45-54	13	0.4	12	0.3	10	0.3	20	0.6	9	0.3	
55-64	24	0.9	19	0.7	16	0.6	18	0.6	15	0.5	
65-74	15	1.0	20	1.3	12	0.7	9	0.5	10	0.5	
75+	21	1.9	20	1.7	20	1.7	30	2.4	17	1.3	
Total	95	0.4	83	0.3	64	0.2	87	0.3	63	0.2	

* Rates represent cases per 100,000 population.

Note: Transgender persons may be included in male, female, or unknown sex categories

Risk Factors and Drug Resistance TB Cases in Texas

Table 6: Risk Factors Among TB Cases, 2010 - 2014

Risk Factor	2010		2011		2012		2013		2014	
	Cases	Proportion	Cases	Proportion	Cases	Proportion	Cases	Proportion	Cases	Proportion
Foreign-Born*	752	54.5%	706	53.5%	667	54.1%	675	55.2%	768	60.5%
Homeless	77	5.6%	60	4.5%	65	5.3%	76	6.2%	58	4.6%
Correctional Facility Resident	140	10.1%	115	8.7%	115	9.3%	118	9.7%	145	11.4%
Alcohol Abuse	271	19.6%	251	19.0%	222	18.0%	208	17.0%	209	16.5%
Diabetes	204	14.8%	260	19.7%	218	17.7%	229	18.7%	258	20.3%
HIV Positive	106	7.7%	95	7.2%	78	6.3%	79	6.5%	65	5.1%
IDU†	28	2.0%	26	2.0%	28	2.3%	36	2.9%	45	3.5%
Non-IDU‡	126	9.1%	164	12.4%	104	8.4%	124	10.1%	127	10.0%
Total Cases	1381	100%	1319	100%	1233	100%	1222	100%	1269	100%

* For a list of High Burden Countries see the World Health Organization (WHO) Global tuberculosis report

† Injection Drug Use

‡ Non-Injection Drug Use

Table 7: Occupational Risk Factors Among TB Cases, 2010 - 2014

Occupation	2010		2011		2012		2013		2014	
	Cases	Proportion	Cases	Proportion	Cases	Proportion	Cases	Proportion	Cases	Proportion
Correctional Facility Employee	2	0.1%	2	0.2%	8	0.6%	5	0.4%	3	0.2%
Health Care Worker	40	2.9%	38	2.9%	31	2.5%	45	3.7%	24	1.9%
Migrant/Seasonal Worker	6	0.4%	7	0.5%	2	0.2%	10	0.8%	3	0.2%
Unemployed	497	36.0%	367	27.8%	331	26.8%	300	24.5%	308	24.3%
Total Cases	1381	100%	1319	100%	1233	100%	1222	100%	1269	100%

Table 8: Drug Resistance Among TB Cases, 2010 - 2014

	2010		2011		2012		2013		2014	
	Cases	Proportion	Cases	Proportion	Cases	Proportion	Cases	Proportion	Cases	Proportion
Isoniazid Resistant	74	5.4%	73	5.5%	72	5.8%	58	4.7%	68	5.4%
Rifampin Resistant	3	0.2%	1	0.1%	3	0.2%	3	0.2%	6	0.5%
MDR*	13	0.9%	17	1.3%	5	0.4%	6	0.5%	7	0.6%
XDR†	0	0.0%	1	0.1%	0	0.0%	1	0.1%	0	0.0%
Total Cases	1381	100%	1319	100%	1233	100%	1222	100%	1269	100%

* Multidrug-resistant Tuberculosis

† Extensively Drug Resistant Tuberculosis

Foreign-born TB Cases in Texas

Table 9: Foreign-born versus US-born Among Texas TB Cases, 2010 - 2014

	2010		2011		2012		2013		2014	
	Cases	Proportion	Cases	Proportion	Cases	Proportion	Cases	Proportion	Cases	Proportion
Foreign-born	752	54.5%	706	53.5%	667	54.1%	675	55.2%	768	60.5%
US-born	629	45.5%	613	46.5%	566	45.9%	547	44.8%	501	39.5%
Total	1381	100.0%	1319	100.0%	1233	100.0%	1222	100.0%	1269	100.0%

Table 10: Foreign-born versus US-born Among Texas TB Cases by Race/Ethnicity, 2010 - 2014

Race/Ethnicity		2010		2011		2012		2013		2014	
		Cases	Proportion	Cases	Proportion	Cases	Proportion	Cases	Proportion	Cases	Proportion
Foreign-born	WHITE	22	2.9%	9	1.3%	10	1.5%	26	3.9%	15	2.0%
	BLACK	51	6.8%	51	7.2%	51	7.6%	68	10.1%	64	8.3%
	HISPANIC	473	62.9%	435	61.6%	412	61.8%	395	58.5%	468	60.9%
	ASIAN/PACIFIC ISLANDER	205	27.3%	211	29.9%	194	29.1%	185	27.4%	219	28.5%
	AMERICAN INDIAN/ALASKA NATIVE	1	0.1%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
	OTHER	0	0.0%	0	0.0%	0	0.0%	1	0.1%	2	0.3%
	UNKNOWN	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
US-born	WHITE	178	28.3%	148	24.1%	152	26.9%	145	26.5%	99	19.8%
	BLACK	205	32.6%	197	32.1%	173	30.6%	159	29.1%	158	31.5%
	HISPANIC	236	37.5%	258	42.1%	227	40.1%	230	42.0%	228	45.5%
	ASIAN/PACIFIC ISLANDER	6	1.0%	8	1.3%	14	2.5%	12	2.2%	10	2.0%
	AMERICAN INDIAN/ALASKA NATIVE	4	0.6%	2	0.3%	0	0.0%	0	0.0%	3	0.6%
	OTHER	0	0.0%	0	0.0%	0	0.0%	1	0.2%	3	0.6%
	UNKNOWN	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Total	1381	100.0%	1319	100.0%	1233	100.0%	1222	100.0%	1269	100.0%	

Table 11: Foreign-born versus US-born Among Texas TB Cases by Sex, 2010 - 2014

Sex		2010		2011		2012		2013		2014	
		Cases	Proportion	Cases	Proportion	Cases	Proportion	Cases	Proportion	Cases	Proportion
Foreign-born	Male	473	62.9%	440	62.3%	431	64.6%	424	62.8%	503	65.5%
	Female	279	37.1%	266	37.7%	236	35.4%	251	37.2%	265	34.5%
US-born	Male	436	31.6%	420	31.8%	357	29.0%	375	30.7%	340	26.8%
	Female	193	14.0%	193	14.6%	209	17.0%	172	14.1%	161	12.7%
Total		1381	100.0%	1319	100.0%	1233	100.0%	1222	100.0%	1269	100.0%

Note: Transgender persons may be included in male, female, or unknown categories

Table 12: Foreign-born TB Cases by Top 15 Countries of Birth, 2010 - 2014

Country of Birth	2010	2011	2012	2013	2014
	MEXICO	373	348	326	312
VIETNAM	78	64	54	54	66
INDIA	37	37	44	39	43
HONDURAS	35	36	29	34	42
GUATEMALA	23	14	19	21	35
PHILIPPINES	32	25	31	28	31
EL SALVADOR	30	20	20	18	25
BURMA	8	14	16	15	21
CHINA	10	15	13	9	15
ETHIOPIA	16	9	12	13	14
NIGERIA	4	6	3	12	12
PAKISTAN	2	15	6	4	12
SOMALIA	5	6	3	10	11
KENYA	5	8	9	7	5
SOUTH KOREA	6	9	4	6	5

TB Cases in Correctional Facilities

Table 13: TB Corrections Cases by Race/Ethnicity, Sex, and Age Group in Texas, 2010 - 2014

Race/Ethnicity	2010		2011		2012		2013		2014	
	Cases	Proportion	Cases	Proportion	Cases	Proportion	Cases	Proportion	Cases	Proportion
WHITE	13	9.3%	12	10.4%	10	8.7%	13	11.0%	6	4.1%
BLACK	17	12.1%	21	18.3%	20	17.4%	20	16.9%	14	9.7%
HISPANIC	103	73.6%	76	66.1%	82	71.3%	73	61.9%	118	81.4%
ASIAN/PACIFIC ISLANDER	6	4.3%	6	5.2%	3	2.6%	12	10.2%	6	4.1%
AMERICAN INDIAN/ALASKA NATIVE	1	0.7%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
OTHER	0	0.0%	0	0.0%	0	0.0%	0	0.0%	1	0.7%
UNKNOWN	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Sex										
Male	119	85.0%	108	93.9%	107	93.0%	109	92.4%	138	95.2%
Female	21	15.0%	7	6.1%	8	7.0%	9	7.6%	7	4.8%
Age Group										
0-5	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
6-13	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
14-17	1	0.7%	2	1.7%	2	1.7%	0	0.0%	0	0.0%
18-24	31	22.1%	11	9.6%	21	18.3%	19	16.1%	26	17.9%
25-34	42	30.0%	36	31.3%	31	27.0%	35	29.7%	51	35.2%
35-44	35	25.0%	32	27.8%	26	22.6%	25	21.2%	28	19.3%
45-54	22	15.7%	17	14.8%	21	18.3%	24	20.3%	29	20.0%
55-64	7	5.0%	15	13.0%	12	10.4%	10	8.5%	11	7.6%
65-74	2	1.4%	1	0.9%	1	0.9%	3	2.5%	0	0.0%
75+	0	0.0%	1	0.9%	1	0.9%	2	1.7%	0	0.0%
Total	140	100.0%	115	100.0%	115	100.0%	118	100.0%	145	100.0%

Note: Transgender persons may be included in male, female, or unknown categories

Table 14: TB Corrections Cases by Correctional Facility Type, 2010 - 2014

Risk Factor	2010		2011		2012		2013		2014	
	Cases	Proportion	Cases	Proportion	Cases	Proportion	Cases	Proportion	Cases	Proportion
Federal Prison	14	10%	20	17%	28	24%	21	18%	20	14%
State Prison	18	13%	19	17%	22	19%	12	10%	23	16%
Local Jails	54	39%	48	42%	39	34%	53	45%	38	26%
ICE*	54	39%	28	24%	25	22%	32	27%	64	44%
Juvenile Detention	0	0%	0	0%	1	1%	0	0%	0	0%
Total Cases	140	100%	115	100%	115	100%	118	100%	145	100%

* U.S. Immigration and Customs Enforcement

Table 15: Risk Factors Among TB Corrections Cases, 2010 - 2014

Risk Factor	2010		2011		2012		2013		2014	
	Cases	Proportion	Cases	Proportion	Cases	Proportion	Cases	Proportion	Cases	Proportion
Foreign-Born*	100	71%	74	64%	67	58%	67	57%	101	70%
Homeless	4	3%	6	5%	9	8%	8	7%	6	4%
HIV Positive	6	4%	12	10%	6	5%	11	9%	8	6%
Diabetes	4	3%	6	5%	9	8%	7	6%	8	6%
Alcohol Abuse	19	14%	29	25%	27	23%	32	27%	31	21%
IDU†	7	5%	8	7%	5	4%	10	8%	26	18%
Non-IDU‡	30	21%	29	25%	20	17%	26	22%	43	30%
Total Cases	140	100%	115	100%	115	100%	118	100%	145	100%

* For a list of High Burden Countries see the World Health Organization (WHO) Global tuberculosis report

† Injection Drug Use

‡ Non-Injection Drug Use

Table 16: Drug Resistance Among TB Corrections Cases, 2010 - 2014

	2010		2011		2012		2013		2014	
	Cases	Proportion	Cases	Proportion	Cases	Proportion	Cases	Proportion	Cases	Proportion
Isoniazid Resistance	8	6%	7	6%	10	9%	2	2%	7	5%
Rifampin Resistance	0	0%	0	0%	1	1%	0	0%	1	1%
MDR*	0	0%	1	1%	1	1%	1	1%	0	0%
XDR†	0	0%	0	0%	0	0%	1	1%	0	0%
Total Cases	140	100%	115	100%	115	100%	118	100%	145	100%

* Multidrug-resistant Tuberculosis

† Extensively Drug Resistant Tuberculosis

TB Diagnoses by Health Service Region

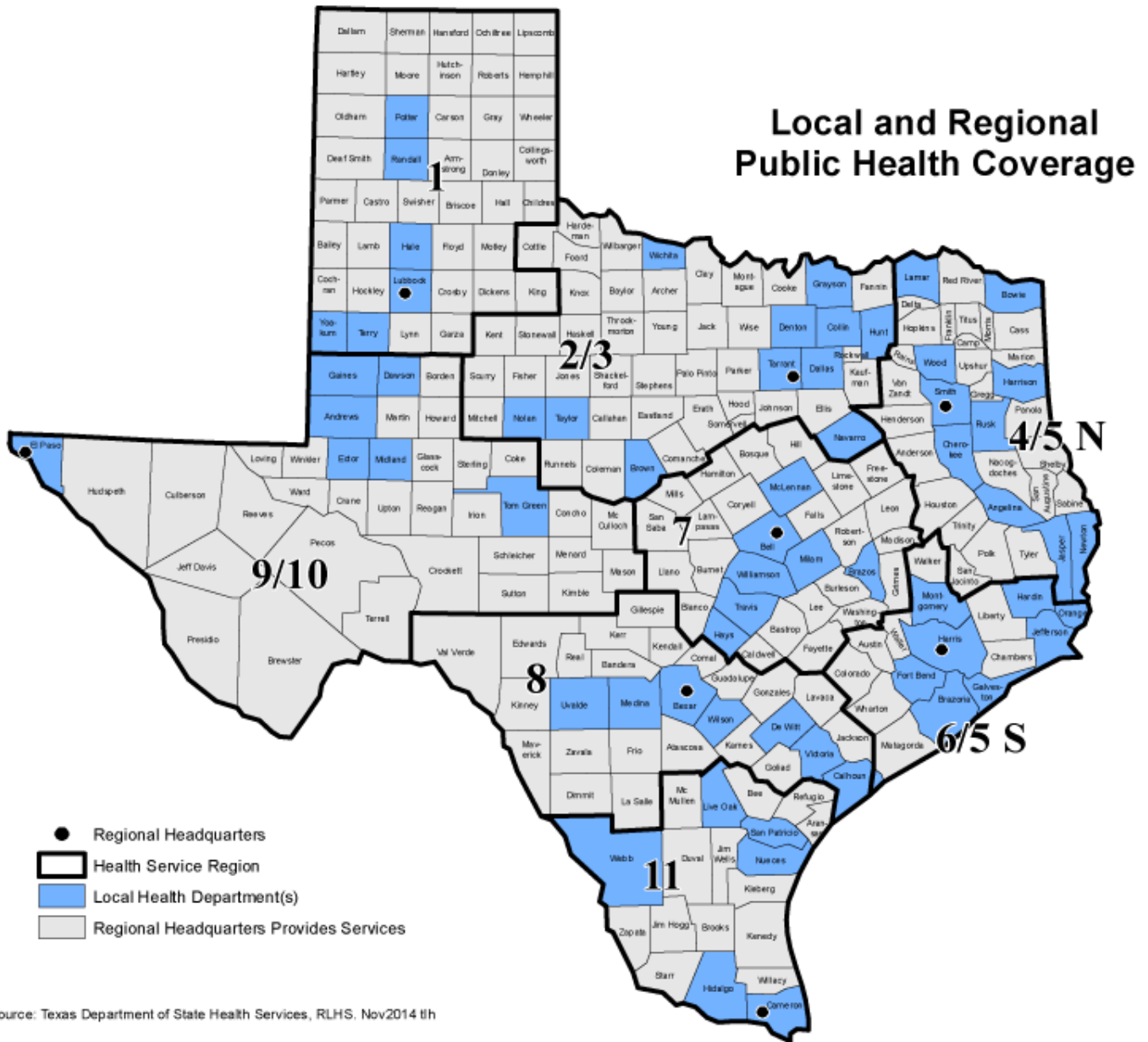


Table 17: TB Case Count and Rate by Health Service Region, 2010-2014

Health Service Region	2010		2011		2012		2013		2014	
	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*
HSR 1	28	3.3	20	2.4	33	3.9	36	4.2	52	6
HSR 2/3	382	5.2	357	4.8	318	4.2	336	4.4	305	3.9
HSR 4/5N	43	2.9	43	2.9	47	3.1	58	3.9	43	2.9
HSR 6/5S	414	6.4	412	6.2	368	5.5	348	5	387	5.5
HSR 7	104	3.5	97	3.2	90	2.9	82	2.6	82	2.5
HSR 8	129	5	136	5.1	111	4.1	111	4	132	4.7
HSR 9/10	60	4.3	52	3.6	55	3.8	64	4.4	56	3.8
HSR 11	203	9.6	183	8.5	189	8.7	175	8	189	8.5
TDCJ	18	-	19	-	22	-	12	-	23	-
Total	1381	5.5	1319	5.1	1233	4.7	1222	4.6	1269	4.7

* Rates represent cases per 100,000

Table 18: TB Cases by County of Residence, 2010-2014

County	2010		2011		2012		2013		2014	
	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*
Anderson	1	1.7	0	0.0	1	1.7	1	1.7	0	0.0
Andrews	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Angelina	1	1.2	1	1.1	5	5.7	4	4.6	1	1.1
Aransas	1	4.3	1	4.3	2	8.4	0	0.0	0	0.0
Archer	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Armstrong	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Atascosa	3	6.7	0	0.0	1	2.2	1	2.1	1	2.1
Austin	0	0.0	1	3.5	0	0.0	0	0.0	3	10.3
Bailey	0	0.0	0	0.0	0	0.0	0	0.0	1	14.5
Bandera	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Bastrop	3	4.0	3	4.0	1	1.3	1	1.3	2	2.6
Baylor	2	53.7	0	0.0	0	0.0	0	0.0	0	0.0
Bee	1	3.1	0	0.0	1	3.1	0	0.0	2	6.1
Bell	4	1.3	5	1.6	2	0.6	3	0.9	3	0.9
Bexar	86	5.0	95	5.4	71	4.0	75	4.1	89	4.8
Blanco	0	0.0	0	0.0	1	9.4	0	0.0	0	0.0
Borden	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Bosque	0	0.0	0	0.0	0	0.0	0	0.0	1	5.6
Bowie	3	3.2	0	0.0	5	5.4	5	5.4	2	2.1
Brazoria	5	1.6	13	4.1	12	3.7	7	2.1	12	3.5
Brazos	1	0.5	3	1.5	5	2.5	6	2.9	6	2.9
Brewster	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Briscoe	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Brooks	0	0.0	1	13.9	0	0.0	3	41.6	2	27.8
Brown	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Burleson	1	5.8	0	0.0	0	0.0	0	0.0	0	0.0
Burnet	3	7.0	1	2.3	5	11.3	0	0.0	3	6.7
Caldwell	0	0.0	4	10.4	3	7.7	1	2.5	3	7.5
Calhoun	2	9.4	1	4.7	1	4.6	3	13.8	2	9.2
Callahan	0	0.0	1	7.4	0	0.0	1	7.4	0	0.0
Cameron	51	12.6	38	9.2	49	11.8	53	12.7	67	15.9
Camp	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Carson	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Cass	0	0.0	1	3.3	0	0.0	1	3.3	0	0.0
Castro	0	0.0	0	0.0	0	0.0	1	12.5	0	0.0
Chambers	1	2.8	0	0.0	0	0.0	0	0.0	1	2.6
Cherokee	0	0.0	7	13.7	1	2.0	5	9.8	0	0.0
Childress	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Clay	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Cochran	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Coke	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Coleman	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Collin	36	4.6	20	2.5	22	2.6	30	3.5	27	3.1
Collingsworth	0	0.0	1	32.4	1	33.1	0	0.0	0	0.0
Colorado	0	0.0	1	4.8	0	0.0	0	0.0	0	0.0
Comal	1	0.9	1	0.9	1	0.9	2	1.7	0	0.0
Comanche	0	0.0	0	0.0	0	0.0	0	0.0	1	7.4
Concho	0	0.0	0	0.0	0	0.0	0	0.0	2	49.4
Cooke	0	0.0	0	0.0	0	0.0	0	0.0	1	2.6
Coryell	0	0.0	2	2.6	2	2.6	2	2.6	0	0.0
Cottle	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0

* Rates represent cases per 100,000

Table 18: TB Cases by County of Residence, 2010-2014 (continued)

County	2010		2011		2012		2013		2014	
	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*
Crane	0	0.0	0	0.0	1	21.9	0	0.0	0	0.0
Crockett	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Crosby	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Culberson	1	41.7	0	0.0	0	0.0	0	0.0	0	0.0
Dallam	0	0.0	0	0.0	0	0.0	0	0.0	1	14.0
Dallas	188	7.9	204	8.5	177	7.2	190	7.6	167	6.6
Dawson	0	0.0	1	7.2	0	0.0	0	0.0	0	0.0
Deaf Smith	1	5.2	0	0.0	3	15.5	0	0.0	1	5.2
Delta	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Denton	15	2.3	18	2.6	15	2.1	20	2.7	16	2.1
DeWitt	2	10.0	1	4.9	0	0.0	1	4.9	0	0.0
Dickens	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Dimmit	0	0.0	0	0.0	1	9.5	1	9.1	1	9.0
Donley	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Duval	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Eastland	0	0.0	0	0.0	0	0.0	0	0.0	1	5.5
Ector	3	2.2	2	1.4	3	2.1	5	3.3	1	0.6
Edwards	0	0.0	0	0.0	0	0.0	1	53.2	0	0.0
Ellis	3	2.0	13	8.5	7	4.6	4	2.6	2	1.3
El Paso	48	6.0	37	4.5	37	4.5	49	5.9	43	5.2
Erath	0	0.0	3	7.7	3	7.6	0	0.0	1	2.5
Falls	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Fannin	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Fayette	0	0.0	0	0.0	1	4.0	0	0.0	0	0.0
Fisher	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Floyd	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Foard	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Fort Bend	25	4.3	28	4.6	24	3.8	23	3.5	19	2.8
Franklin	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Freestone	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Frio	18	104.5	9	51.6	11	61.7	7	38.5	18	97.1
Gaines	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Galveston	7	2.4	16	5.4	18	6.0	9	2.9	15	4.8
Garza	0	0.0	0	0.0	1	15.5	7	109.3	1	15.5
Gillespie	1	4.0	0	0.0	0	0.0	0	0.0	0	0.0
Glasscock	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Goliad	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Gonzales	1	5.0	2	10.1	1	5.0	1	4.9	0	0.0
Gray	0	0.0	0	0.0	1	4.4	2	8.7	2	8.7
Grayson	0	0.0	1	0.8	8	6.6	1	0.8	0	0.0
Gregg	8	6.6	6	4.9	6	4.9	14	11.4	6	4.9
Grimes	3	11.3	1	3.7	3	11.2	0	0.0	0	0.0
Guadalupe	1	0.8	2	1.5	6	4.3	1	0.7	1	0.7
Hale	0	0.0	1	2.7	1	2.8	0	0.0	4	11.5
Hall	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Hamilton	0	0.0	0	0.0	0	0.0	0	0.0	1	12.2
Hansford	0	0.0	0	0.0	0	0.0	1	18.1	0	0.0
Hardeman	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Hardin	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Harris	339	8.3	318	7.6	267	6.3	287	6.6	320	7.2
Harrison	4	6.1	0	0.0	1	1.5	1	1.5	3	4.5

* Rates represent cases per 100,000

Table 18: TB Cases by County of Residence, 2010-2014 (continued)

County	2010		2011		2012		2013		2014	
	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*
Hartley	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Haskell	0	0.0	0	0.0	1	17.0	0	0.0	0	0.0
Hays	5	3.2	1	0.6	6	3.6	2	1.1	2	1.1
Hemphill	0	0.0	0	0.0	0	0.0	0	0.0	1	23.9
Henderson	0	0.0	2	2.5	0	0.0	1	1.3	6	7.6
Hidalgo	69	8.9	79	9.9	72	8.9	64	7.8	70	8.4
Hill	1	2.8	2	5.7	0	0.0	2	5.7	1	2.9
Hockley	0	0.0	1	4.4	0	0.0	0	0.0	0	0.0
Hood	0	0.0	0	0.0	1	1.9	2	3.8	0	0.0
Hopkins	0	0.0	0	0.0	0	0.0	2	5.6	1	2.8
Houston	0	0.0	0	0.0	1	4.3	0	0.0	1	4.4
Howard	2	5.7	0	0.0	1	2.8	5	13.8	4	10.9
Hudspeth	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Hunt	5	5.8	2	2.3	3	3.4	0	0.0	0	0.0
Hutchinson	0	0.0	0	0.0	0	0.0	0	0.0	4	18.4
Irion	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Jack	0	0.0	0	0.0	1	11.1	2	22.4	0	0.0
Jackson	0	0.0	1	7.1	0	0.0	0	0.0	1	6.8
Jasper	1	2.8	1	2.8	1	2.8	2	5.6	1	2.8
Jeff Davis	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Jefferson	5	2.0	11	4.3	19	7.6	8	3.2	4	1.6
Jim Hogg	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Jim Wells	3	7.3	3	7.3	0	0.0	1	2.4	0	0.0
Johnson	3	2.0	4	2.6	0	0.0	1	0.6	1	0.6
Jones	0	0.0	0	0.0	0	0.0	1	5.0	0	0.0
Karnes	0	0.0	0	0.0	0	0.0	1	6.8	1	6.7
Kaufman	6	5.8	3	2.8	1	0.9	4	3.7	1	0.9
Kendall	1	3.0	0	0.0	0	0.0	0	0.0	0	0.0
Kenedy	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Kent	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Kerr	0	0.0	0	0.0	1	2.0	1	2.0	1	2.0
Kimble	0	0.0	0	0.0	1	22.1	0	0.0	0	0.0
King	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Kinney	0	0.0	0	0.0	1	27.6	0	0.0	0	0.0
Kleberg	3	9.4	0	0.0	1	3.1	0	0.0	0	0.0
Knox	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Lamar	1	2.0	0	0.0	0	0.0	2	4.1	0	0.0
Lamb	0	0.0	0	0.0	0	0.0	0	0.0	3	22.1
Lampasas	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
La Salle	0	0.0	3	42.9	1	14.0	0	0.0	3	40.1
Lavaca	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Lee	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Leon	0	0.0	1	5.9	0	0.0	0	0.0	1	5.9
Liberty	6	7.9	5	6.6	6	7.8	3	3.9	2	2.6
Limestone	1	4.3	2	8.5	2	8.5	2	8.5	1	4.3
Lipscomb	0	0.0	0	0.0	0	0.0	1	28.7	0	0.0
Live Oak	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Llano	1	5.2	2	10.5	0	0.0	0	0.0	0	0.0
Loving	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Lubbock	7	2.5	2	0.7	15	5.2	4	1.4	4	1.4
Lynn	3	50.7	0	0.0	0	0.0	0	0.0	0	0.0

* Rates represent cases per 100,000

Table 18: TB Cases by County of Residence, 2010-2014 (continued)

County	2010		2011		2012		2013		2014	
	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*
McCulloch	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
McLennan	6	2.6	6	2.5	8	3.3	9	3.7	0	0.0
McMullen	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Madison	0	0.0	0	0.0	1	7.3	1	7.2	0	0.0
Marion	1	9.5	0	0.0	0	0.0	0	0.0	0	0.0
Martin	0	0.0	3	61.1	2	40.0	0	0.0	0	0.0
Mason	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Matagorda	1	2.7	1	2.7	4	10.9	0	0.0	0	0.0
Maverick	3	5.5	6	10.8	10	17.9	3	5.3	9	15.8
Medina	1	2.2	3	6.4	0	0.0	0	0.0	0	0.0
Menard	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Midland	3	2.2	5	3.6	6	4.1	2	1.3	1	0.6
Milam	1	4.0	0	0.0	0	0.0	0	0.0	0	0.0
Mills	0	0.0	0	0.0	2	41.4	0	0.0	0	0.0
Mitchell	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Montague	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Montgomery	16	3.5	12	2.5	10	2.1	9	1.8	6	1.2
Moore	4	18.3	4	18.1	2	8.9	4	18.0	12	54.2
Morris	0	0.0	0	0.0	0	0.0	0	0.0	1	7.8
Motley	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Nacogdoches	0	0.0	6	9.1	6	9.1	9	13.8	4	6.1
Navarro	0	0.0	0	0.0	0	0.0	2	4.2	0	0.0
Newton	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Nolan	0	0.0	0	0.0	0	0.0	0	0.0	1	6.6
Nueces	13	3.8	14	4.1	10	2.9	14	4.0	15	4.2
Ochiltree	1	9.8	0	0.0	2	18.8	0	0.0	0	0.0
Oldham	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Orange	3	3.7	0	0.0	0	0.0	1	1.2	1	1.2
Palo Pinto	2	7.1	3	10.7	0	0.0	1	3.6	2	7.1
Panola	2	8.4	0	0.0	1	4.2	1	4.2	1	4.2
Parker	2	1.7	0	0.0	0	0.0	1	0.8	1	0.8
Parmer	1	9.7	0	0.0	2	19.7	3	30.1	2	20.2
Pecos	1	6.4	1	6.4	2	12.8	0	0.0	0	0.0
Polk	0	0.0	1	2.2	1	2.2	0	0.0	0	0.0
Potter	7	5.8	7	5.7	5	4.1	11	9.0	14	11.5
Presidio	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Rains	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Randall	2	1.7	2	1.6	0	0.0	0	0.0	1	0.8
Reagan	0	0.0	0	0.0	0	0.0	1	27.6	0	0.0
Real	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Red River	0	0.0	0	0.0	1	7.9	0	0.0	1	8.0
Reeves	1	7.3	1	7.3	1	7.2	1	7.1	3	20.9
Refugio	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Roberts	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Robertson	0	0.0	0	0.0	0	0.0	1	6.1	0	0.0
Rockwall	0	0.0	1	1.2	0	0.0	3	3.5	3	3.4
Runnels	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Rusk	2	3.7	3	5.6	1	1.8	0	0.0	9	16.7
Sabine	0	0.0	0	0.0	1	9.6	0	0.0	0	0.0
San Augustine	3	33.8	1	11.3	0	0.0	0	0.0	0	0.0
San Jacinto	0	0.0	0	0.0	0	0.0	1	3.7	0	0.0

* Rates represent cases per 100,000

Table 18: TB Cases by County of Residence, 2010-2014 (continued)

County	2010		2011		2012		2013		2014	
	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*
San Patricio	1	1.5	2	3.1	1	1.5	0	0.0	1	1.5
San Saba	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Schleicher	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Scurry	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Shackelford	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Shelby	2	7.9	0	0.0	2	7.7	3	11.6	1	3.9
Sherman	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Smith	9	4.3	9	4.2	7	3.3	5	2.3	1	0.5
Somervell	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Starr	6	9.8	5	8.1	14	22.6	4	6.4	6	9.5
Stephens	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Sterling	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Stonewall	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Sutton	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Swisher	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Tarrant	114	6.3	75	4.1	72	3.8	70	3.7	77	4.0
Taylor	3	2.3	2	1.5	2	1.5	1	0.7	1	0.7
Terrell	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Terry	2	15.8	2	15.8	0	0.0	1	7.8	1	7.8
Throckmorton	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Titus	2	6.2	1	3.1	3	9.2	1	3.1	1	3.1
Tom Green	1	0.9	2	1.8	1	0.9	0	0.0	2	1.7
Travis	67	6.5	52	4.9	37	3.4	41	3.7	49	4.3
Trinity	1	6.8	0	0.0	0	0.0	0	0.0	0	0.0
Tyler	2	9.2	1	4.6	0	0.0	0	0.0	0	0.0
Upshur	0	0.0	2	5.0	1	2.5	0	0.0	1	2.5
Upton	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Uvalde	0	0.0	0	0.0	0	0.0	1	3.7	0	0.0
Val Verde	7	14.3	10	20.4	4	8.2	7	14.3	4	8.2
Van Zandt	0	0.0	1	1.9	0	0.0	0	0.0	0	0.0
Victoria	0	0.0	0	0.0	1	1.1	1	1.1	1	1.1
Walker	3	4.4	2	2.9	4	5.8	0	0.0	0	0.0
Waller	2	4.6	4	9.1	3	6.8	1	2.2	3	6.4
Ward	0	0.0	0	0.0	0	0.0	1	8.9	0	0.0
Washington	0	0.0	1	2.9	0	0.0	0	0.0	1	2.9
Webb	32	12.8	36	14.1	30	11.5	35	13.3	25	9.4
Wharton	1	2.4	0	0.0	1	2.4	0	0.0	1	2.4
Wheeler	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Wichita	3	2.3	5	3.8	3	2.3	0	0.0	2	1.5
Wilbarger	0	0.0	1	7.4	1	7.5	0	0.0	0	0.0
Willacy	19	85.8	4	18.1	8	36.2	1	4.6	0	0.0
Williamson	7	1.7	11	2.5	11	2.4	11	2.3	8	1.6
Wilson	2	4.7	0	0.0	0	0.0	2	4.4	0	0.0
Winkler	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Wise	0	0.0	0	0.0	1	1.7	1	1.6	0	0.0
Wood	0	0.0	0	0.0	2	4.7	0	0.0	2	4.7
Yoakum	0	0.0	0	0.0	0	0.0	1	12.3	0	0.0
Young	0	0.0	1	5.5	0	0.0	1	5.4	0	0.0
Zapata	4	28.5	0	0.0	1	7.0	0	0.0	1	7.0
Zavala	0	0.0	2	16.9	0	0.0	2	16.4	0	0.0
TDCJ	18	0.0	19	0.0	22	0.0	12	0.0	23	0.0
Total	1381	5.5	1319	5.1	1233	4.7	1222	4.6	1269	4.7

* Rates represent cases per 100,000