

Texas TB Surveillance Report

2015 Annual Report

**Epidemiology and Supplemental Projects Group
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The Texas TB Surveillance Report is an annual report generated by:

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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, 2015, 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 2011-2015 data are from the National Center for Health Statistics [Vintage 2015 postcensal estimates of the resident population of the United States April 1, 2010, July 1, 2010-July 1, 2015, 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/idcu/disease/tb/reporting>

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.

2015 Texas Tuberculosis Quick Facts

Number of reported Tuberculosis cases: 1,334
Tuberculosis rate per 100,000 Texas residents: 4.9
Percent change in Tuberculosis rate from 2014: +4.3%

Table 1: TB Case Count and Rate by Sex, Race/Ethnicity and Age Group, 2011-2015

	2011		2012		2013		2014		2015	
	Count	Rate*	Count	Rate*	Count	Rate*	Count	Rate*	Count	Rate*
Sex										
Male	859	6.6	788	6.0	799	6.0	843	6.2	858	6.2
Female	459	3.6	445	3.4	423	3.2	426	3.2	476	3.5
Total	1318	5.1	1233	4.7	1222	4.6	1269	4.7	1334	4.9
Race/Ethnicity										
White	157	1.3	162	1.4	170	1.4	115	1.0	140	1.2
Black	248	8.2	224	7.2	228	7.2	222	6.8	251	7.5
Hispanic	693	7.1	639	6.4	625	6.1	695	6.7	675	6.3
Asian/Pacific Islander	218	20.1	208	18.3	197	16.5	229	18.1	264	19.8
American Indian/Alaska Native	2	2.1	0	0.0	0	0.0	3	3.0	2	1.9
Other	0	-	0	-	2	-	5	-	2	-
Unknown	0	-	0	-	0	-	0	-	0	-
Total	1318	5.1	1233	4.7	1222	4.6	1269	4.7	1334	4.9
Age Group										
0-5	72	3.1	52	2.2	55	2.3	52	2.2	49	2.1
6-13	21	0.7	23	0.7	15	0.5	20	0.6	27	0.8
14-17	35	2.3	36	2.4	28	1.8	25	1.6	31	2.0
18-24	114	4.3	122	4.5	129	4.7	116	4.2	112	4.0
25-34	225	6.1	194	5.1	203	5.3	213	5.4	230	5.7
35-44	232	6.6	180	5.1	162	4.5	201	5.5	213	5.8
45-54	203	5.9	217	6.3	224	6.5	213	6.1	219	6.3
55-64	205	7.5	211	7.5	200	6.9	216	7.3	227	7.4
65-74	120	7.8	109	6.6	105	6.0	118	6.4	118	6.1
75+	91	7.8	89	7.4	101	8.2	95	7.5	108	8.3
Total	1318	5.1	1233	4.7	1222	4.6	1269	4.7	1334	4.9

* Rates represent cases per 100,000 population.

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

Table 2: TB Case Count and Rate by Age Group and Race/Ethnicity, 2015

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	2	0.3	9	3.1	34	2.8	3	2.9	0	0.0	1	-
6-13	2	0.2	7	1.7	13	0.8	5	3.4	0	0.0	0	-
14-17	3	0.5	7	3.4	16	2.1	5	7.4	0	0.0	0	-
18-24	8	0.8	18	4.7	59	4.8	27	21.9	0	0.0	0	-
25-34	13	0.8	53	10.3	114	6.9	50	20.9	0	0.0	0	-
35-44	13	0.9	29	6.3	131	8.7	40	17.2	0	0.0	0	-
45-54	35	2.1	54	12.5	89	7.4	41	23.1	0	0.0	0	-
55-64	27	1.6	56	15.7	101	12.3	41	31.9	2	14.2	0	-
65-74	22	1.8	10	5.5	64	14.5	22	28.7	0	0.0	0	-
75+	15	1.7	8	7.6	54	19.5	30	78.1	0	0.0	1	-
Total	140	1.2	251	7.5	675	6.3	264	19.8	2	1.9	2	-

* Rates represent cases per 100,000

Figure 1: Texas TB Cases and Rates by Report Year, 2011-2015

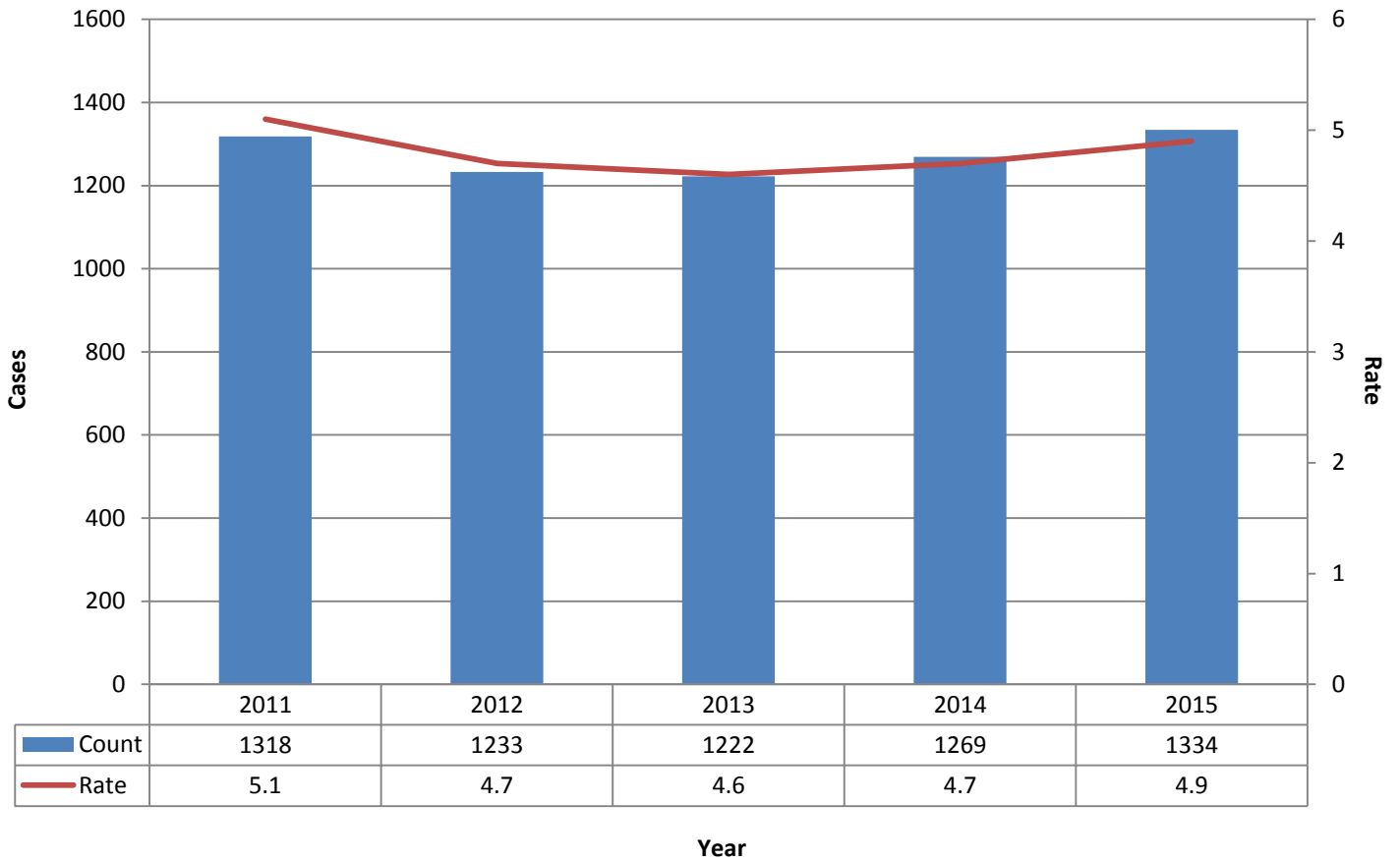


Figure 2: Texas TB Case Rate by Race and Report Year, 2011-2015

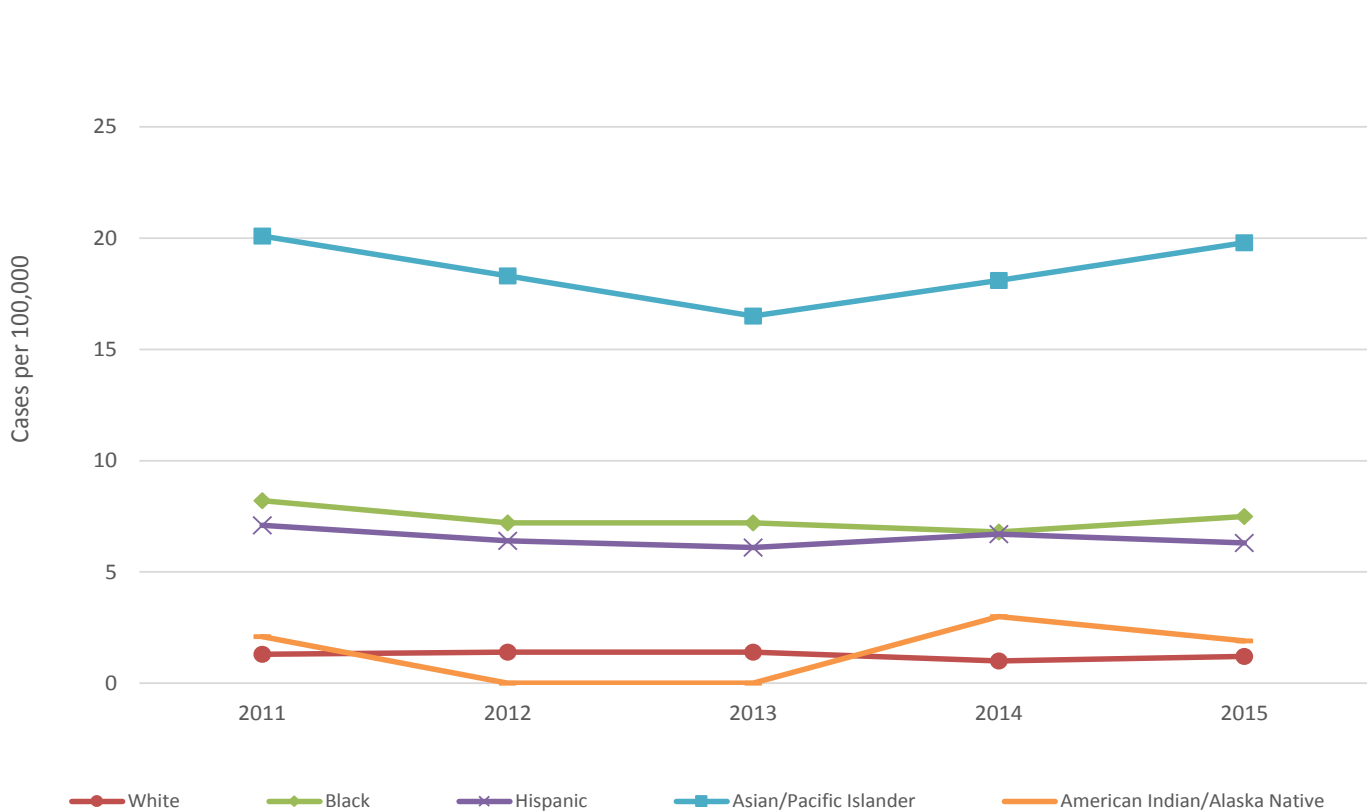
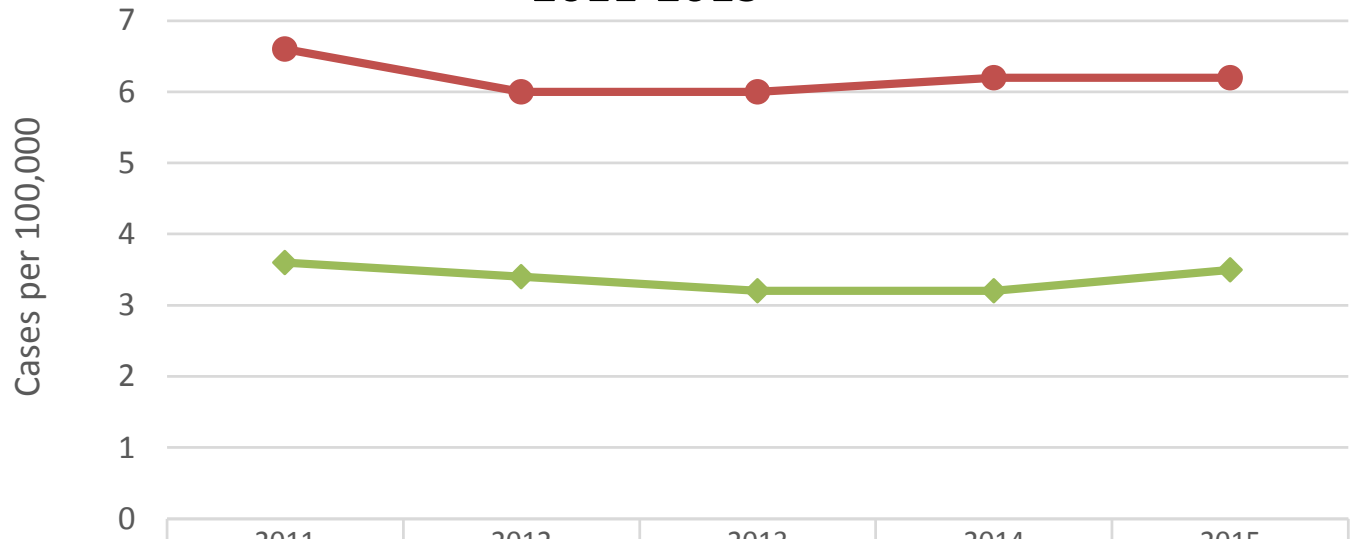
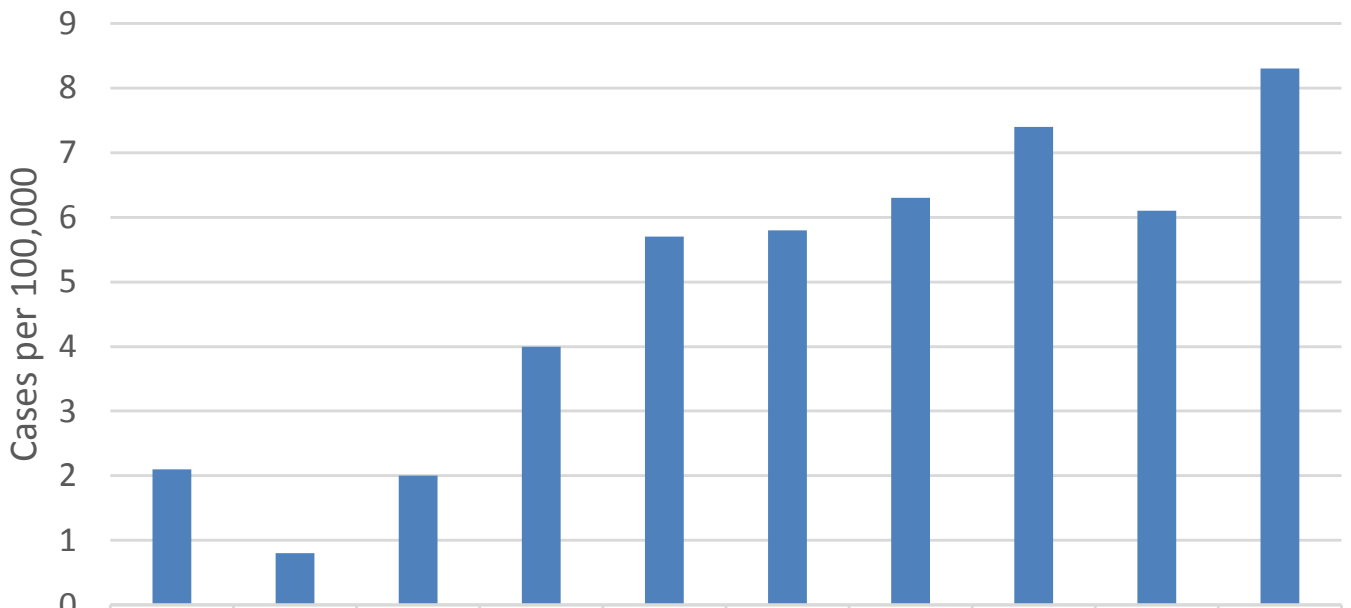


Figure 3: Texas TB Case Rate by Sex and Report Year, 2011-2015



	2011	2012	2013	2014	2015
Male	6.6	6	6	6.2	6.2
Female	3.6	3.4	3.2	3.2	3.5

Figure 4: Texas TB Case Rate by Age Group, 2015



	0-5	6-13	14-17	18-24	25-34	35-44	45-54	55-64	65-74	75+
2015	2.1	0.8	2	4	5.7	5.8	6.3	7.4	6.1	8.3

Age Group	2011		2012		2013		2014		2015											
	Male		Female		Male		Female		Male		Female									
	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*								
0-5	46	3.9	26	2.3	22	1.8	30	2.6	34	2.8	21	1.8	26	2.2	26	2.3	20	1.6	29	2.5
6-13	8	0.5	13	0.9	8	0.5	15	1.0	8	0.5	7	0.4	11	0.7	9	0.6	8	0.5	19	1.2
14-17	22	2.9	13	1.8	18	2.3	18	2.4	14	1.8	14	1.9	12	1.5	13	1.7	16	2.0	15	1.9
18-24	66	4.9	48	3.8	75	5.4	47	3.6	77	5.5	52	3.9	71	5.0	45	3.4	66	4.6	46	3.4
25-34	132	7.1	93	5.1	111	5.8	83	4.5	123	6.3	80	4.2	140	7.0	73	3.8	145	7.1	85	4.3
35-44	141	8.1	91	5.2	118	6.7	62	3.5	103	5.8	59	3.3	139	7.7	62	3.4	142	7.7	71	3.8
45-54	158	9.2	45	2.6	156	9.1	61	3.5	164	9.6	60	3.4	151	8.8	62	3.5	152	8.7	67	3.8
55-64	146	11.0	59	4.2	156	11.5	55	3.8	147	10.5	53	3.6	152	10.6	64	4.2	152	10.3	75	4.8
65-74	78	10.8	42	5.1	68	8.8	41	4.7	69	8.5	36	3.9	78	9.1	40	4.1	86	9.5	32	3.1
75+	62	13.3	29	4.1	56	11.6	33	4.6	60	12.1	41	5.6	63	12.3	32	4.3	71	13.3	37	4.8
Total	859	6.6	459	3.6	788	6.0	445	3.4	799	6.0	423	3.2	843	6.2	426	3.2	858	6.2	476	3.5
Race/Ethnicity																				
White	118	2	39	0.7	112	1.9	50	0.8	119	2	51	0.9	78	1.3	37	0.6	97	1.6	43	0.7
Black	167	11.4	81	5.2	131	8.7	93	5.8	146	9.5	82	5	151	9.6	71	4.2	166	10.3	85	5
Hispanic	467	9.5	226	4.7	425	8.5	214	4.3	412	8	213	4.2	474	9	221	4.3	450	8.4	225	4.2
Asian/Pacific Islander	106	20.1	112	20.1	120	21.6	88	15.1	121	20.7	76	12.4	135	21.9	94	14.5	142	21.8	122	17.9
American Indian/Alaska Native	1	2.1	1	2.1	0	0	0	0	0	0	0	0	2	4.0	1	2.0	1	1.9	1	1.9
Other	0	-	0	-	0	-	0	-	1	-	1	-	3	-	2	-	2	-	0	-
Unknown	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
Total	859	6.6	459	3.6	788	6	445	3.4	799	6.0	423	3.2	843	6.0	426	3.2	858	6.2	476	3.5

* Rates represent cases per 100,000

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

	2011		2012		2013		2014		2015	
	Count	Rate*	Count	Rate*	Count	Rate*	Count	Rate*	Count	Rate*
Sex										
Male	60	0.5	45	0.3	62	0.5	48	0.4	44	0.3
Female	22	0.2	19	0.1	25	0.2	16	0.1	22	0.2
Total	82	0.3	64	0.2	87	0.3	64	0.2	66	0.2
Race/Ethnicity										
White	18	0.2	13	0.1	16	0.1	10	0.1	13	0.1
Black	20	0.7	13	0.4	16	0.5	12	0.4	15	0.5
Hispanic	33	0.3	31	0.3	46	0.5	32	0.3	25	0.2
Asian/Pacific Islander	11	1.0	7	0.6	9	0.8	10	0.8	13	1.0
American Indian/Alaska Native	0	0.0	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	82	0.3	64	0.2	87	0.3	64	0.2	66	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	0	0.0	0	0.0	1	0.1	0	0.0
18-24	1	0.0	0	0.0	2	0.1	2	0.1	1	0.0
25-34	3	0.1	1	0.0	3	0.1	1	0.0	0	0.0
35-44	7	0.2	5	0.1	5	0.1	8	0.2	6	0.2
45-54	12	0.3	10	0.3	20	0.6	10	0.3	14	0.4
55-64	19	0.7	16	0.6	18	0.6	15	0.5	20	0.7
65-74	19	1.2	12	0.7	9	0.5	10	0.5	11	0.6
75+	20	1.7	20	1.7	30	2.4	17	1.3	14	1.1
Total	82	0.3	64	0.2	87	0.3	64	0.2	66	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 5: Risk Factors Among TB Cases, 2011 - 2015

Risk Factor	2011		2012		2013		2014		2015	
	Cases	Proportion	Cases	Proportion	Cases	Proportion	Cases	Proportion	Cases	Proportion
Foreign-Born*	705	53.5%	667	54.1%	675	55.2%	768	60.5%	773	57.9%
Homeless	60	4.6%	65	5.3%	84	6.9%	63	5.0%	90	6.7%
Correctional Facility Resident	115	8.7%	115	9.3%	118	9.7%	145	11.4%	150	11.2%
Alcohol Abuse	252	19.1%	222	18.0%	215	17.6%	215	16.9%	221	16.6%
Diabetes	260	19.7%	218	17.7%	228	18.7%	254	20.0%	241	18.1%
HIV Positive	95	7.7%	78	7.2%	80	6.3%	66	6.5%	76	5.1%
IDU†	26	2.0%	28	2.0%	36	2.3%	45	2.9%	37	3.5%
Non-IDU‡	164	12.4%	104	8.4%	127	10.4%	128	10.1%	131	9.8%
Total Cases	1318	100%	1233	100%	1222	100%	1269	100%	1334	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 6: Occupational Risk Factors Among TB Cases, 2011 - 2015

Occupation	2011		2012		2013		2014		2015	
	Cases	Proportion	Cases	Proportion	Cases	Proportion	Cases	Proportion	Cases	Proportion
Correctional Facility Employee	2	0.2%	8	0.6%	5	0.4%	3	0.2%	0	0.0%
Health Care Worker	38	2.9%	31	2.5%	45	3.7%	24	1.9%	36	2.7%
Migrant/Seasonal Worker	7	0.5%	2	0.2%	10	0.8%	3	0.2%	3	0.2%
Unemployed	367	27.8%	331	26.8%	300	24.5%	308	24.3%	398	29.8%
Total Cases	1318	100%	1233	100%	1222	100%	1269	100%	1334	100%

Table 7: Drug Resistance Among TB Cases, 2011 - 2015

	2011		2012		2013		2014		2015	
	Cases	Proportion	Cases	Proportion	Cases	Proportion	Cases	Proportion	Cases	Proportion
Isoniazid Resistant	73	5.5%	72	5.8%	58	4.7%	68	5.4%	74	5.5%
Rifampin Resistant	1	0.1%	3	0.2%	3	0.2%	6	0.5%	2	0.1%
MDR*	17	1.3%	5	0.4%	6	0.5%	7	0.6%	9	0.7%
XDR†	1	0.1%	0	0.0%	1	0.1%	0	0.0%	0	0.0%
Total Cases	1318	100%	1233	100%	1222	100%	1269	100%	1334	100%

* Multidrug-resistant Tuberculosis

† Extensively Drug Resistant Tuberculosis

Foreign-born TB Cases in Texas

Table 8: Foreign-born versus US-born Among Texas TB Cases, 2011 - 2015

	2011		2012		2013		2014		2015	
	Cases	Proportion	Cases	Proportion	Cases	Proportion	Cases	Proportion	Cases	Proportion
Foreign-born	705	53.5%	667	54.1%	675	55.2%	768	60.5%	773	57.9%
US-born	613	46.5%	566	45.9%	547	44.8%	501	39.5%	561	42.1%
Total	1318	100.0%	1233	100.0%	1222	100.0%	1269	100.0%	1334	100.0%

Table 9: Foreign-born versus US-born Among Texas TB Cases by Race/Ethnicity, 2011 - 2015

Race/Ethnicity		2011		2012		2013		2014		2015	
		Cases	Proportion	Cases	Proportion	Cases	Proportion	Cases	Proportion	Cases	Proportion
Foreign-born	WHITE	9	1.3%	10	1.5%	26	3.9%	15	2.0%	17	2.2%
	BLACK	51	7.2%	51	7.6%	68	10.1%	64	8.3%	69	8.9%
	HISPANIC	435	61.7%	412	61.8%	395	58.5%	468	60.9%	435	56.3%
	ASIAN/PACIFIC ISLANDER	210	29.8%	194	29.1%	185	27.4%	219	28.5%	250	32.3%
	AMERICAN INDIAN/ALASKA NATIVE	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
	OTHER	0	0.0%	0	0.0%	1	0.1%	2	0.3%	2	0.3%
	UNKNOWN	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
US-born	WHITE	148	24.1%	152	26.9%	144	26.3%	100	20.0%	123	21.9%
	BLACK	197	32.1%	173	30.6%	160	29.3%	158	31.5%	182	32.4%
	HISPANIC	258	42.1%	227	40.1%	230	42.0%	227	45.3%	240	42.8%
	ASIAN/PACIFIC ISLANDER	8	1.3%	14	2.5%	12	2.2%	10	2.0%	14	2.5%
	AMERICAN INDIAN/ALASKA NATIVE	2	0.3%	0	0.0%	0	0.0%	3	0.6%	2	0.4%
	OTHER	0	0.0%	0	0.0%	1	0.2%	3	0.6%	0	0.0%
	UNKNOWN	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Total	1318	100.0%	1233	100.0%	1222	100.0%	1269	100.0%	1334	100.0%	

Table 10: Foreign-born versus US-born Among Texas TB Cases by Sex, 2011 - 2015

Sex		2011		2012		2013		2014		2015	
		Cases	Proportion	Cases	Proportion	Cases	Proportion	Cases	Proportion	Cases	Proportion
Foreign-born	Male	439	62.3%	431	64.6%	424	62.8%	503	65.5%	488	63.1%
	Female	266	37.7%	236	35.4%	251	37.2%	265	34.5%	285	36.9%
US-born	Male	420	31.9%	357	29.0%	375	30.7%	340	26.8%	370	27.7%
	Female	193	14.6%	209	17.0%	172	14.1%	161	12.7%	191	14.3%
Total		1318	100.0%	1233	100.0%	1222	100.0%	1269	100.0%	1334	100.0%

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

Table 11: Foreign-born TB Cases by Top 15 Countries of Birth, 2011 - 2015

Country of Birth	2011	2012	2013	2014	2015
	MEXICO	348	326	312	343
VIETNAM	63	54	54	66	71
HONDURAS	36	29	34	42	42
INDIA	37	44	39	43	40
BURMA	14	16	15	21	30
GUATEMALA	14	19	21	35	30
PHILIPPINES	25	31	28	31	25
EL SALVADOR	20	20	18	25	23
CHINA	15	13	9	15	18
ETHIOPIA	9	12	13	14	16
NEPAL	7	6	12	4	14
NIGERIA	6	3	12	12	12
BANGLADESH	3	4	3	3	8
ERITREA	5	.	3	4	8
SOMALIA	6	3	10	11	8

TB Cases in Correctional Facilities

Table 12: TB Corrections Cases by Race/Ethnicity, Sex, and Age Group in Texas, 2011 - 2015

Race/Ethnicity	2011		2012		2013		2014		2015	
	Cases	Proportion	Cases	Proportion	Cases	Proportion	Cases	Proportion	Cases	Proportion
WHITE	12	10.4%	10	8.7%	13	11.0%	6	4.1%	7	4.7%
BLACK	21	18.3%	20	17.4%	20	16.9%	14	9.7%	30	20.0%
HISPANIC	76	66.1%	82	71.3%	73	61.9%	118	81.4%	103	68.7%
ASIAN/PACIFIC ISLANDER	6	5.2%	3	2.6%	12	10.2%	6	4.1%	10	6.7%
AMERICAN INDIAN/ALASKA NATIVE	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
OTHER	0	0.0%	0	0.0%	0	0.0%	1	0.7%	0	0.0%
UNKNOWN	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Sex										
Male	108	93.9%	107	93.0%	109	92.4%	138	95.2%	132	88.0%
Female	7	6.1%	8	7.0%	9	7.6%	7	4.8%	18	12.0%
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	2	1.7%	2	1.7%	0	0.0%	0	0.0%	1	0.7%
18-24	11	9.6%	21	18.3%	19	16.1%	26	17.9%	27	18.0%
25-34	36	31.3%	31	27.0%	35	29.7%	51	35.2%	53	35.3%
35-44	32	27.8%	26	22.6%	25	21.2%	28	19.3%	38	25.3%
45-54	17	14.8%	21	18.3%	24	20.3%	29	20.0%	17	11.3%
55-64	15	13.0%	12	10.4%	10	8.5%	11	7.6%	11	7.3%
65-74	1	0.9%	1	0.9%	3	2.5%	0	0.0%	3	2.0%
75+	1	0.9%	1	0.9%	2	1.7%	0	0.0%	0	0.0%
Total	115	100.0%	115	100.0%	118	100.0%	145	100.0%	150	100.0%

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

Table 13: TB Corrections Cases by Correctional Facility Type, 2011 - 2015

Risk Factor	2011		2012		2013		2014		2015	
	Cases	Proportion	Cases	Proportion	Cases	Proportion	Cases	Proportion	Cases	Proportion
Federal Prison	20	17%	28	24%	21	18%	20	14%	19	13%
State Prison	19	17%	22	19%	12	10%	23	16%	28	19%
Local Jails	48	42%	39	34%	53	45%	38	26%	38	25%
ICE*	28	24%	25	22%	32	27%	64	44%	65	43%
Juvenile Detention	0	0%	1	1%	0	0%	0	0%	0	0%
Total Cases	115	100%	115	100%	118	100%	145	100%	150	100%

* U.S. Immigration and Customs Enforcement

Table 14: Risk Factors Among TB Corrections Cases, 2011 - 2015

Risk Factor	2011		2012		2013		2014		2015	
	Cases	Proportion	Cases	Proportion	Cases	Proportion	Cases	Proportion	Cases	Proportion
Foreign-Born*	74	64%	67	58%	67	57%	101	70%	94	63%
Homeless	6	5%	9	8%	12	10%	7	5%	9	6%
HIV Positive	12	10%	6	5%	11	9%	8	6%	5	3%
Diabetes	6	5%	9	8%	7	6%	8	6%	4	3%
Alcohol Abuse	29	25%	27	23%	33	28%	33	23%	19	13%
IDU†	8	7%	5	4%	10	8%	26	18%	8	5%
Non-IDU‡	29	25%	20	17%	28	24%	43	30%	26	17%
Total Cases	115	100%	115	100%	118	100%	145	100%	150	100%

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

† Injection Drug Use

‡ Non-Injection Drug Use

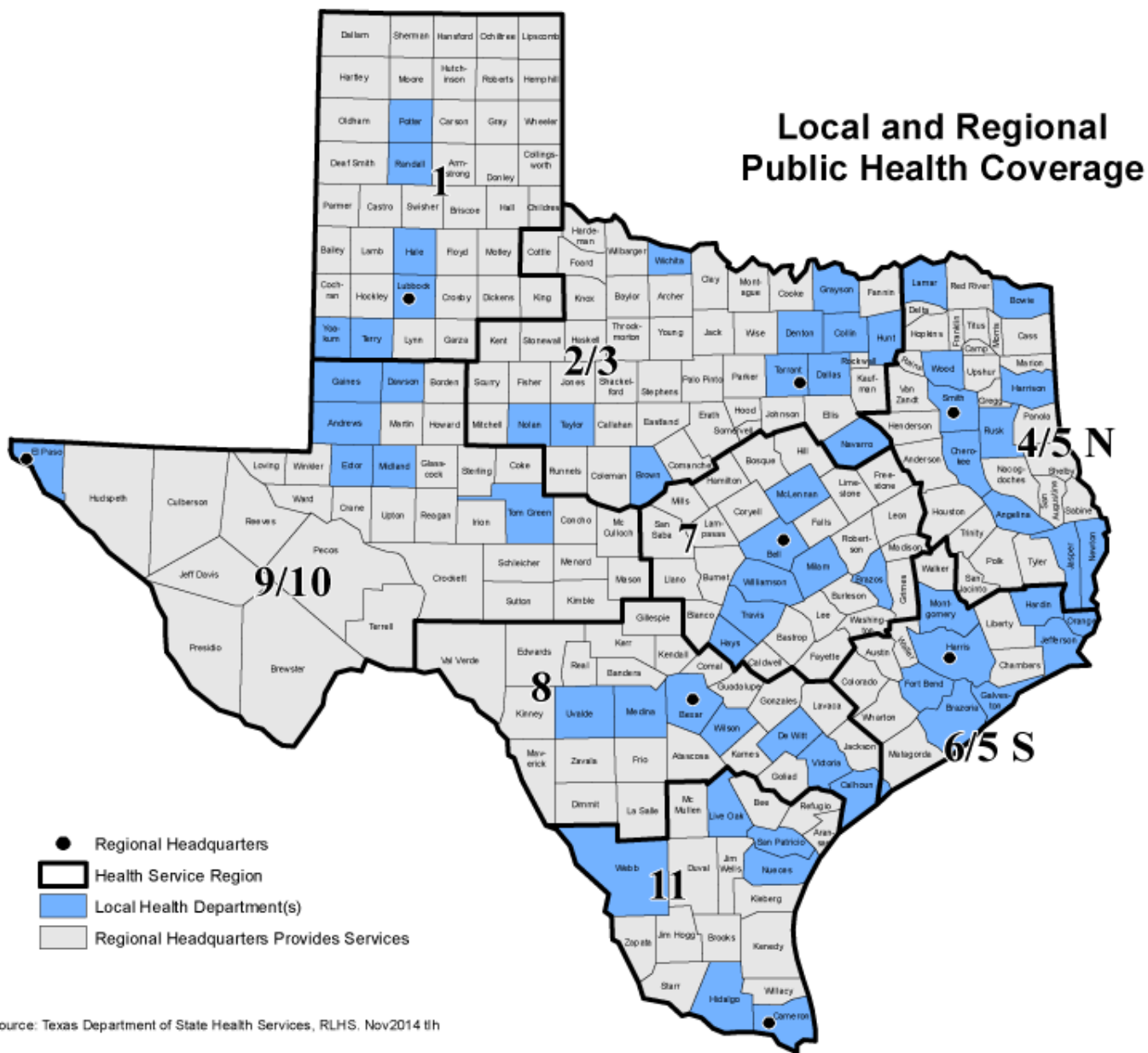
Table 15: Drug Resistance Among TB Corrections Cases, 2011 - 2015

	2011		2012		2013		2014		2015	
	Cases	Proportion	Cases	Proportion	Cases	Proportion	Cases	Proportion	Cases	Proportion
Isoniazid Resistance	7	6%	10	9%	2	2%	7	5%	7	5%
Rifampin Resistance	0	0%	1	1%	0	0%	1	1%	0	0%
MDR*	1	1%	1	1%	1	1%	0	0%	1	1%
XDR†	0	0%	0	0%	1	1%	0	0%	0	0%
Total Cases	115	100%	115	100%	118	100%	145	100%	150	100%

* Multidrug-resistant Tuberculosis

† Extensively Drug Resistant Tuberculosis

TB Diagnoses by Health Service Region



Source: Texas Department of State Health Services, RLHS, Nov2014 tth

Table 16: TB Case Count and Rate by Health Service Region, 2011-2015

Health Service Region	2011		2012		2013		2014		2015	
	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*
HSR 1	20	2.4	33	3.9	36	4.2	52	6	30	3.5
HSR 2/3	357	4.8	318	4.2	336	4.4	305	3.9	333	4.2
HSR 4/5N	43	2.9	47	3.1	58	3.9	43	2.9	41	2.7
HSR 6/5S	411	6.2	368	5.5	348	5	387	5.5	398	5.5
HSR 7	97	3.2	90	2.9	82	2.6	82	2.5	99	3
HSR 8	136	5.1	111	4.1	111	4	132	4.7	129	4.5
HSR 9/10	52	3.6	55	3.8	64	4.4	56	3.8	57	3.8
HSR 11	183	8.5	189	8.7	175	8	189	8.5	219	9.8
TDCJ	19	-	22	-	12	-	23	-	28	-
Total	1318	5.1	1233	4.7	1222	4.6	1269	4.7	1334	4.9

* Rates represent cases per 100,000

Table 17: TB Cases by County of Residence, 2011-2015

County	2011		2012		2013		2014		2015	
	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*
Anderson	0	0.0	1	1.7	1	1.7	0	0.0	0	0.0
Andrews	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Angelina	1	1.1	5	5.7	4	4.6	1	1.1	2	2.3
Aransas	1	4.3	2	8.4	0	0.0	0	0.0	1	3.9
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	0	0.0	1	2.2	1	2.1	1	2.1	2	4.1
Austin	1	3.5	0	0.0	0	0.0	3	10.3	0	0.0
Bailey	0	0.0	0	0.0	0	0.0	1	14.4	0	0.0
Bandera	0	0.0	0	0.0	0	0.0	0	0.0	1	4.7
Bastrop	3	4.0	1	1.3	1	1.3	2	2.6	1	1.2
Baylor	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Bee	0	0.0	1	3.1	0	0.0	2	6.1	1	3.0
Bell	5	1.6	2	0.6	3	0.9	3	0.9	7	2.1
Bexar	95	5.4	71	4.0	75	4.1	89	4.8	83	4.4
Blanco	0	0.0	1	9.4	0	0.0	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	1	5.6	0	0.0
Bowie	0	0.0	5	5.4	5	5.4	2	2.1	2	2.1
Brazoria	13	4.1	12	3.7	7	2.1	12	3.5	10	2.9
Brazos	3	1.5	5	2.5	6	2.9	6	2.9	6	2.8
Brewster	0	0.0	0	0.0	0	0.0	0	0.0	1	10.9
Briscoe	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Brooks	1	13.9	0	0.0	3	41.5	2	27.6	3	41.5
Brown	0	0.0	0	0.0	0	0.0	0	0.0	3	7.9
Burleson	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Burnet	1	2.3	5	11.5	0	0.0	3	6.8	0	0.0
Caldwell	4	10.4	3	7.7	1	2.5	3	7.5	1	2.5
Calhoun	1	4.7	1	4.6	3	13.8	2	9.2	3	13.7
Callahan	1	7.4	0	0.0	1	7.4	0	0.0	0	0.0
Cameron	38	9.2	49	11.8	53	12.7	67	15.9	73	17.3
Camp	0	0.0	0	0.0	0	0.0	0	0.0	1	7.9
Carson	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Cass	1	3.3	0	0.0	1	3.3	0	0.0	0	0.0
Castro	0	0.0	0	0.0	1	12.5	0	0.0	0	0.0
Chambers	0	0.0	0	0.0	0	0.0	1	2.6	0	0.0
Cherokee	7	13.7	1	2.0	5	9.8	0	0.0	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	20	2.5	22	2.6	30	3.5	27	3.0	25	2.7
Collingsworth	1	32.3	1	33.0	0	0.0	0	0.0	0	0.0
Colorado	1	4.8	0	0.0	0	0.0	0	0.0	1	4.8
Comal	1	0.9	1	0.9	2	1.7	0	0.0	0	0.0
Comanche	0	0.0	0	0.0	0	0.0	1	7.4	0	0.0
Concho	0	0.0	0	0.0	0	0.0	2	49.4	0	0.0
Cooke	0	0.0	0	0.0	0	0.0	1	2.6	0	0.0
Coryell	2	2.6	2	2.6	2	2.6	0	0.0	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 17: TB Cases by County of Residence, 2011-2015 (continued)

County	2011		2012		2013		2014		2015	
	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*
Crane	0	0.0	1	21.9	0	0.0	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	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Dallam	0	0.0	0	0.0	0	0.0	1	14.1	0	0.0
Dallas	204	8.5	177	7.2	190	7.6	167	6.6	180	7.0
Dawson	1	7.3	0	0.0	0	0.0	0	0.0	0	0.0
Deaf Smith	0	0.0	3	15.5	0	0.0	1	5.2	0	0.0
Delta	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Denton	18	2.6	15	2.1	20	2.7	16	2.1	18	2.3
DeWitt	1	4.9	0	0.0	1	4.9	0	0.0	0	0.0
Dickens	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Dimmit	0	0.0	1	9.6	1	9.2	1	9.1	0	0.0
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	1	5.5	1	5.5
Ector	2	1.4	3	2.1	5	3.3	1	0.6	0	0.0
Edwards	0	0.0	0	0.0	1	53.3	0	0.0	0	0.0
Ellis	13	8.5	7	4.6	4	2.6	2	1.3	6	3.7
El Paso	37	4.5	37	4.4	49	5.9	43	5.1	38	4.5
Erath	3	7.7	3	7.6	0	0.0	1	2.5	5	12.2
Falls	0	0.0	0	0.0	0	0.0	0	0.0	1	5.8
Fannin	0	0.0	0	0.0	0	0.0	0	0.0	1	3.0
Fayette	0	0.0	1	4.0	0	0.0	0	0.0	1	4.0
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	28	4.6	24	3.8	23	3.5	19	2.8	27	3.8
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	9	51.5	11	61.7	7	38.5	18	96.9	17	90.5
Gaines	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Galveston	16	5.4	18	6.0	9	2.9	15	4.8	6	1.9
Garza	0	0.0	1	15.5	7	109.2	1	15.5	3	46.8
Gillespie	0	0.0	0	0.0	0	0.0	0	0.0	1	3.9
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	2	10.1	1	5.0	1	5.0	0	0.0	0	0.0
Gray	0	0.0	1	4.4	2	8.7	2	8.5	1	4.3
Grayson	1	0.8	8	6.6	1	0.8	0	0.0	3	2.4
Gregg	6	4.9	6	4.9	14	11.4	6	4.9	12	9.7
Grimes	1	3.7	3	11.2	0	0.0	0	0.0	0	0.0
Guadalupe	2	1.5	6	4.3	1	0.7	1	0.7	2	1.3
Hale	1	2.7	1	2.8	0	0.0	4	11.6	1	2.9
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	1	12.2	0	0.0
Hansford	0	0.0	0	0.0	1	18.0	0	0.0	1	17.8
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	1	1.8
Harris	318	7.6	267	6.3	287	6.6	320	7.2	327	7.2
Harrison	0	0.0	1	1.5	1	1.5	3	4.5	4	6.0

* Rates represent cases per 100,000

Table 17: TB Cases by County of Residence, 2011-2015 (continued)

County	2011		2012		2013		2014		2015	
	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	1	17.0	0	0.0	0	0.0	1	17.4
Hays	1	0.6	6	3.6	2	1.1	2	1.1	2	1.0
Hemphill	0	0.0	0	0.0	0	0.0	1	24.0	0	0.0
Henderson	2	2.5	0	0.0	1	1.3	6	7.6	4	5.0
Hidalgo	79	9.9	72	8.9	64	7.8	70	8.4	72	8.5
Hill	2	5.7	0	0.0	2	5.8	1	2.9	0	0.0
Hockley	1	4.4	0	0.0	0	0.0	0	0.0	0	0.0
Hood	0	0.0	1	1.9	2	3.8	0	0.0	1	1.8
Hopkins	0	0.0	0	0.0	2	5.6	1	2.8	0	0.0
Houston	0	0.0	1	4.3	0	0.0	1	4.4	1	4.4
Howard	0	0.0	1	2.8	5	13.8	4	10.9	1	2.7
Hudspeth	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Hunt	2	2.3	3	3.4	0	0.0	0	0.0	2	2.2
Hutchinson	0	0.0	0	0.0	0	0.0	4	18.3	0	0.0
Irion	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Jack	0	0.0	1	11.1	2	22.4	0	0.0	0	0.0
Jackson	1	7.1	0	0.0	0	0.0	1	6.8	0	0.0
Jasper	1	2.8	1	2.8	2	5.6	1	2.8	0	0.0
Jeff Davis	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Jefferson	10	3.9	19	7.6	8	3.2	4	1.6	9	3.5
Jim Hogg	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Jim Wells	3	7.3	0	0.0	1	2.4	0	0.0	1	2.4
Johnson	4	2.6	0	0.0	1	0.6	1	0.6	2	1.3
Jones	0	0.0	0	0.0	1	5.0	0	0.0	0	0.0
Karnes	0	0.0	0	0.0	1	6.8	1	6.7	0	0.0
Kaufman	3	2.8	1	0.9	4	3.7	1	0.9	7	6.1
Kendall	0	0.0	0	0.0	0	0.0	0	0.0	1	2.5
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	1	2.0	1	2.0	1	2.0	0	0.0
Kimble	0	0.0	1	22.0	0	0.0	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	1	27.6	0	0.0	0	0.0	0	0.0
Kleberg	0	0.0	1	3.1	0	0.0	0	0.0	1	3.1
Knox	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Lamar	0	0.0	0	0.0	2	4.1	0	0.0	0	0.0
Lamb	0	0.0	0	0.0	0	0.0	3	22.1	1	7.5
Lampasas	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
La Salle	3	42.9	1	14.0	0	0.0	3	40.1	0	0.0
Lavaca	0	0.0	0	0.0	0	0.0	0	0.0	2	10.1
Lee	0	0.0	0	0.0	0	0.0	0	0.0	1	5.9
Leon	1	5.9	0	0.0	0	0.0	1	6.0	0	0.0
Liberty	5	6.6	6	7.8	3	3.9	2	2.6	2	2.5
Limestone	2	8.5	2	8.5	2	8.6	1	4.3	1	4.3
Lipscomb	0	0.0	0	0.0	1	28.6	0	0.0	0	0.0
Live Oak	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Llano	2	10.6	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	0.0
Lubbock	2	0.7	15	5.2	4	1.4	4	1.4	8	2.7
Lynn	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0

* Rates represent cases per 100,000

Table 17: TB Cases by County of Residence, 2011-2015 (continued)

County	2011		2012		2013		2014		2015	
	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	2.5	8	3.3	9	3.7	0	0.0	3	1.2
McMullen	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Madison	0	0.0	1	7.3	1	7.2	0	0.0	0	0.0
Marion	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Martin	3	61.2	2	40.1	0	0.0	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	4	10.9	0	0.0	0	0.0	3	8.2
Maverick	6	10.8	10	17.9	3	5.3	9	15.7	7	12.1
Medina	3	6.4	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	0.0
Midland	5	3.6	6	4.1	2	1.3	1	0.6	10	6.2
Milam	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Mills	0	0.0	2	41.4	0	0.0	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	12	2.5	10	2.1	9	1.8	6	1.2	9	1.7
Moore	4	18.1	2	8.9	4	17.9	12	53.8	4	18.0
Morris	0	0.0	0	0.0	0	0.0	1	7.9	0	0.0
Motley	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Nacogdoches	6	9.1	6	9.1	9	13.8	4	6.1	2	3.0
Navarro	0	0.0	0	0.0	2	4.2	0	0.0	2	4.1
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	1	6.6	0	0.0
Nueces	14	4.1	10	2.9	14	4.0	15	4.2	7	1.9
Ochiltree	0	0.0	2	18.8	0	0.0	0	0.0	1	9.3
Oldham	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Orange	0	0.0	0	0.0	1	1.2	1	1.2	0	0.0
Palo Pinto	3	10.7	0	0.0	1	3.6	2	7.1	1	3.6
Panola	0	0.0	1	4.2	1	4.2	1	4.2	1	4.2
Parker	0	0.0	0	0.0	1	0.8	1	0.8	2	1.6
Parmer	0	0.0	2	19.7	3	30.2	2	20.2	0	0.0
Pecos	1	6.4	2	12.8	0	0.0	0	0.0	0	0.0
Polk	1	2.2	1	2.2	0	0.0	0	0.0	3	6.4
Potter	7	5.7	5	4.1	11	9.0	14	11.4	5	4.1
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	1.6	0	0.0	0	0.0	1	0.8	2	1.5
Reagan	0	0.0	0	0.0	1	27.8	0	0.0	0	0.0
Real	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Red River	0	0.0	1	7.9	0	0.0	1	8.0	0	0.0
Reeves	1	7.3	1	7.2	1	7.1	3	20.8	2	13.6
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	1	6.1	0	0.0	1	6.0
Rockwall	1	1.2	0	0.0	3	3.5	3	3.4	1	1.1
Runnels	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Rusk	3	5.6	1	1.9	0	0.0	9	16.9	3	5.7
Sabine	0	0.0	1	9.6	0	0.0	0	0.0	0	0.0
San Augustine	1	11.3	0	0.0	0	0.0	0	0.0	0	0.0
San Jacinto	0	0.0	0	0.0	1	3.7	0	0.0	1	3.6

* Rates represent cases per 100,000

Table 17: TB Cases by County of Residence, 2011-2015 (continued)

County	2011		2012		2013		2014		2015	
	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*
San Patricio	2	3.1	1	1.5	0	0.0	1	1.5	6	8.9
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	0	0.0	2	7.7	3	11.6	1	3.9	2	7.9
Sherman	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Smith	9	4.2	7	3.3	5	2.3	1	0.5	1	0.4
Somervell	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Starr	5	8.1	14	22.6	4	6.4	6	9.5	5	7.8
Stephens	0	0.0	0	0.0	0	0.0	0	0.0	1	10.6
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	75	4.1	72	3.8	70	3.7	77	4.0	67	3.4
Taylor	2	1.5	2	1.5	1	0.7	1	0.7	3	2.2
Terrell	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Terry	2	15.8	0	0.0	1	7.9	1	7.8	0	0.0
Throckmorton	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Titus	1	3.1	3	9.2	1	3.1	1	3.1	0	0.0
Tom Green	2	1.8	1	0.9	0	0.0	2	1.7	2	1.7
Travis	52	4.9	37	3.4	41	3.7	49	4.3	59	5.0
Trinity	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Tyler	1	4.6	0	0.0	0	0.0	0	0.0	0	0.0
Upshur	2	5.0	1	2.5	0	0.0	1	2.5	0	0.0
Upton	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Uvalde	0	0.0	0	0.0	1	3.7	0	0.0	1	3.7
Val Verde	10	20.4	4	8.2	7	14.3	4	8.2	8	16.3
Van Zandt	1	1.9	0	0.0	0	0.0	0	0.0	2	3.7
Victoria	0	0.0	1	1.1	1	1.1	1	1.1	1	1.1
Walker	2	2.9	4	5.8	0	0.0	0	0.0	0	0.0
Waller	4	9.1	3	6.8	1	2.2	3	6.4	2	4.1
Ward	0	0.0	0	0.0	1	8.9	0	0.0	2	17.1
Washington	1	2.9	0	0.0	0	0.0	1	2.9	1	2.9
Webb	36	14.1	30	11.5	35	13.3	25	9.4	44	16.3
Wharton	0	0.0	1	2.4	0	0.0	1	2.4	1	2.4
Wheeler	0	0.0	0	0.0	0	0.0	0	0.0	2	35.4
Wichita	5	3.8	3	2.3	0	0.0	2	1.5	1	0.8
Wilbarger	1	7.4	1	7.5	0	0.0	0	0.0	0	0.0
Willacy	4	18.1	8	36.2	1	4.6	0	0.0	2	9.1
Williamson	11	2.5	11	2.4	11	2.3	8	1.6	14	2.8
Wilson	0	0.0	0	0.0	2	4.4	0	0.0	0	0.0
Winkler	0	0.0	0	0.0	0	0.0	0	0.0	1	12.5
Wise	0	0.0	1	1.7	1	1.6	0	0.0	0	0.0
Wood	0	0.0	2	4.7	0	0.0	2	4.7	0	0.0
Yoakum	0	0.0	0	0.0	1	12.2	0	0.0	1	11.7
Young	1	5.4	0	0.0	1	5.4	0	0.0	0	0.0
Zapata	0	0.0	1	7.0	0	0.0	1	7.0	3	20.9
Zavala	2	16.9	0	0.0	2	16.5	0	0.0	0	0.0
TDCJ	19	0.0	22	0.0	12	0.0	23	0.0	28	0.0
Total	1318	5.1	1233	4.7	1222	4.6	1269	4.7	1334	4.9

* Rates represent cases per 100,000