

Texas TB Surveillance Report

2016 Annual Report

**Epidemiology and Supplemental Projects Group
Prepared November, 2017**



TEXAS
Health and Human
Services

Texas Department of State
Health Services

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 counted to the Texas Department of State Health Services Surveillance Program from January 1 to December 31, 2016, as well as historical data. This is the most recent data available and may differ from information reported elsewhere due to updated case counts and the use of different population denominators.

Population numbers used to calculate rates for 2012-2016 data are from the National Center for Health Statistics [Vintage 2016 postcensal estimates of the resident population of the United States April 1, 2012, July 1, 2012-July 1, 2016, 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.

2016 Texas Tuberculosis Quick Facts

Number of reported Tuberculosis cases: 1,250
Tuberculosis rate per 100,000 Texas residents: 4.5
Percent change in Tuberculosis rate from 2015: -8.2%

Table 1: TB Case Count and Rate by Sex, Race/Ethnicity and Age Group, 2012-2016

	2012		2013		2014		2015		2016	
	Count	Rate*	Count	Rate*	Count	Rate*	Count	Rate*	Count	Rate*
Sex										
Male	787	6.0	798	6.0	841	6.2	858	6.2	822	5.9
Female	446	3.4	423	3.2	428	3.2	476	3.5	428	3.1
Race/Ethnicity										
White	161	1.4	173	1.5	123	1.0	144	1.2	107	0.9
Black	225	7.2	229	7.2	222	6.9	250	7.5	234	6.9
Hispanic	637	6.4	623	6.1	690	6.6	671	6.3	670	6.2
API†	209	18.4	196	16.5	231	18.4	266	20.1	238	17.2
AIAN‡	1	1.0	0	0.0	3	3.0	3	3.0	1	1.0
Age Group										
0-5	52	2.2	55	2.3	52	2.2	49	2.0	48	2.0
6-13	23	0.7	15	0.5	20	0.6	27	0.8	19	0.6
14-17	36	2.4	28	1.8	25	1.6	31	2.0	29	1.8
18-24	122	4.6	129	4.7	116	4.2	112	4.0	130	4.7
25-34	194	5.1	202	5.3	213	5.4	230	5.7	204	5.0
35-44	179	5.1	163	4.6	201	5.5	211	5.7	191	5.1
45-54	216	6.3	223	6.5	213	6.2	221	6.3	219	6.2
55-64	212	7.6	198	6.9	216	7.3	226	7.4	194	6.2
65-74	110	6.7	106	6.1	117	6.4	119	6.2	118	5.9
75+	89	7.4	102	8.3	96	7.6	108	8.3	98	7.3
Total	1233	4.7	1221	4.6	1269	4.7	1334	4.9	1250	4.5

* Rates represent cases per 100,000 population.

† API: Asian/Pacific Islander

‡ AIAN: American Indian/Alaska Native

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, 2016

Race/Ethnicity	White		Black		Hispanic		API†		AIAN‡	
	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*
Age Group										
0-5	2	0.3	8	2.7	35	2.9	3	2.7	0	0.0
6-13	1	0.1	2	0.5	12	0.7	4	2.6	0	0.0
14-17	0	0.0	3	1.5	21	2.7	5	7.1	0	0.0
18-24	9	0.9	21	5.5	68	5.4	32	25.8	0	0.0
25-34	7	0.4	44	8.2	103	6.2	50	20.4	0	0.0
35-44	12	0.8	40	8.6	97	6.4	41	17.1	1	7.7
45-54	23	1.4	55	12.6	103	8.4	38	20.5	0	0.0
55-64	25	1.4	40	10.9	96	11.3	33	24.9	0	0.0
65-74	19	1.5	12	6.2	68	14.6	19	22.9	0	0.0
75+	9	1.0	9	8.2	67	23.3	13	31.0	0	0.0
Total	107	0.9	234	6.9	670	6.2	238	17.2	1	1.0

* Rates represent cases per 100,000

† API: Asian/Pacific Islander

‡ AIAN: American Indian/Alaska Native

Figure 1: Texas TB Cases and Rates by Report Year, 2012-2016

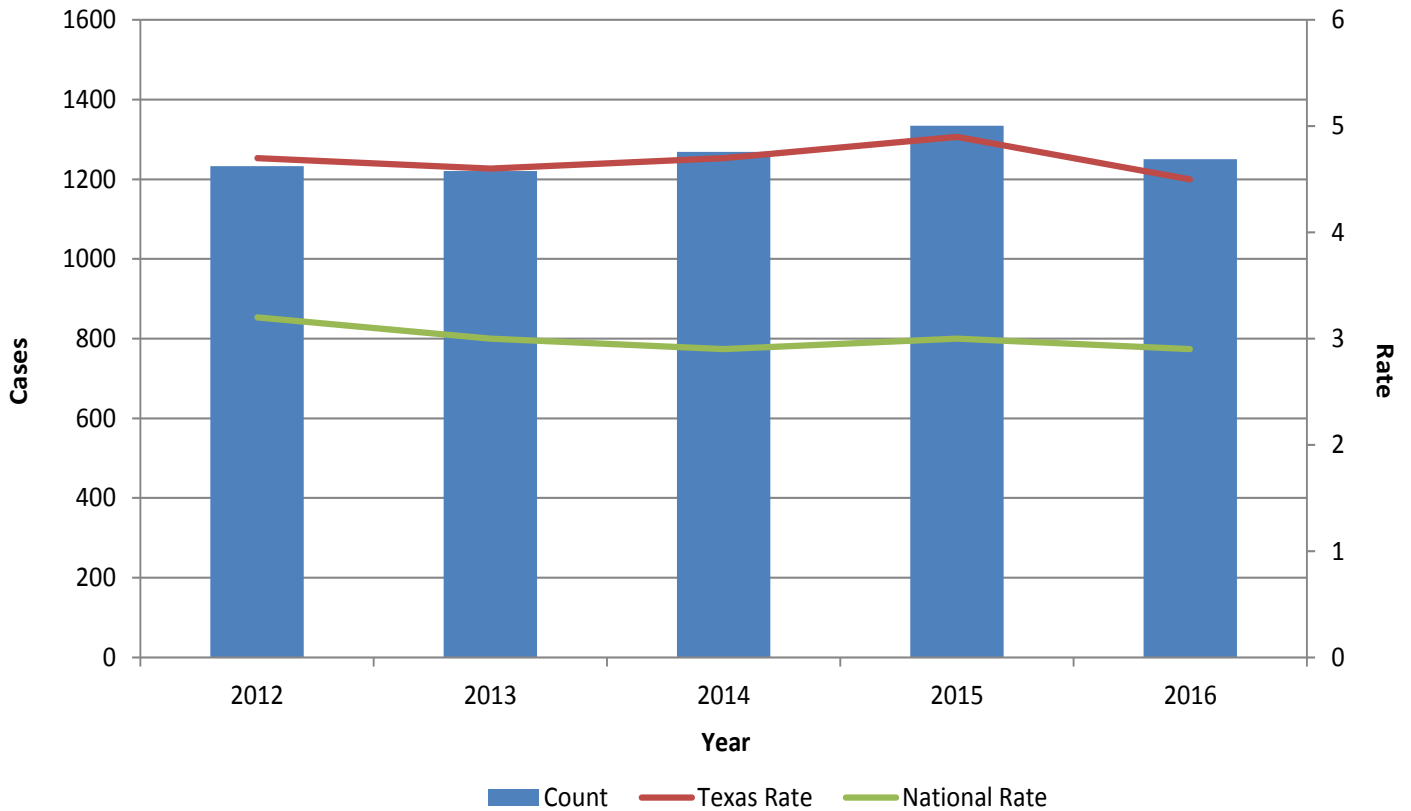
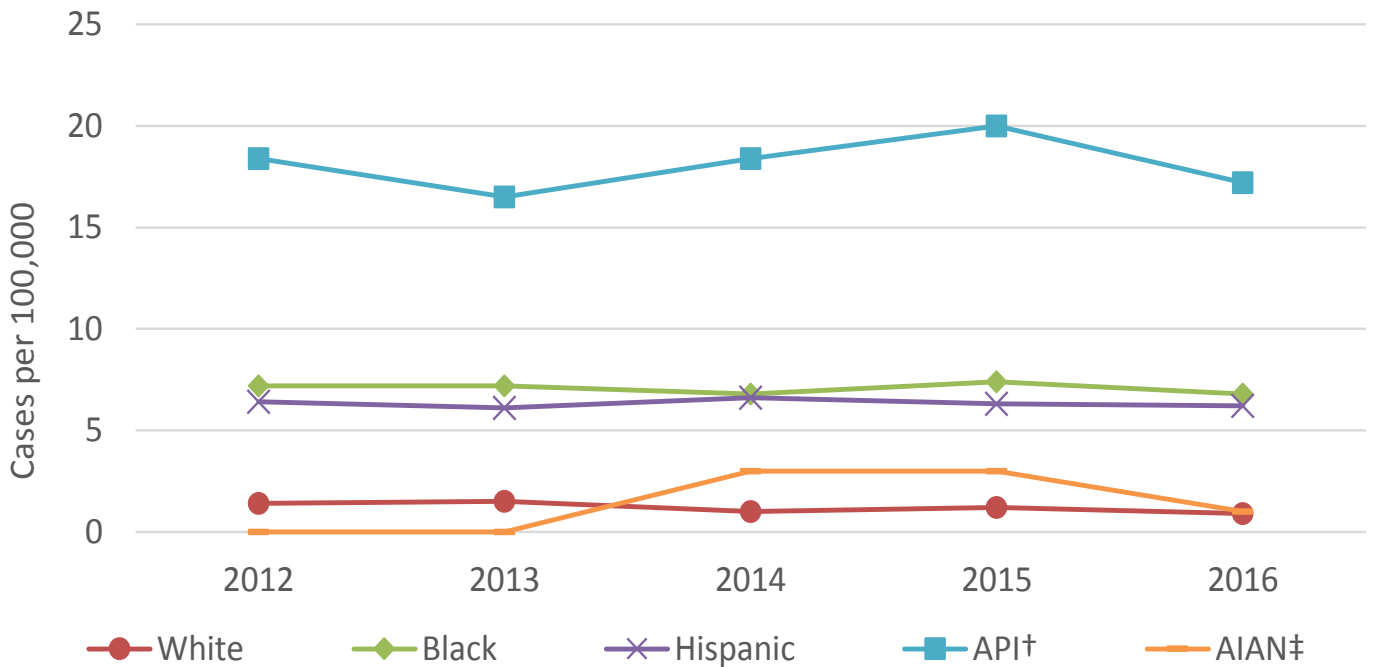


Figure 2: Texas TB Case Rate by Race and Report Year, 2012-2016



† API: Asian/Pacific Islander ‡ AIAN: American Indian/Alaska Native

Figure 3: Texas TB Case Rate by Sex and Report Year, 2012-2016

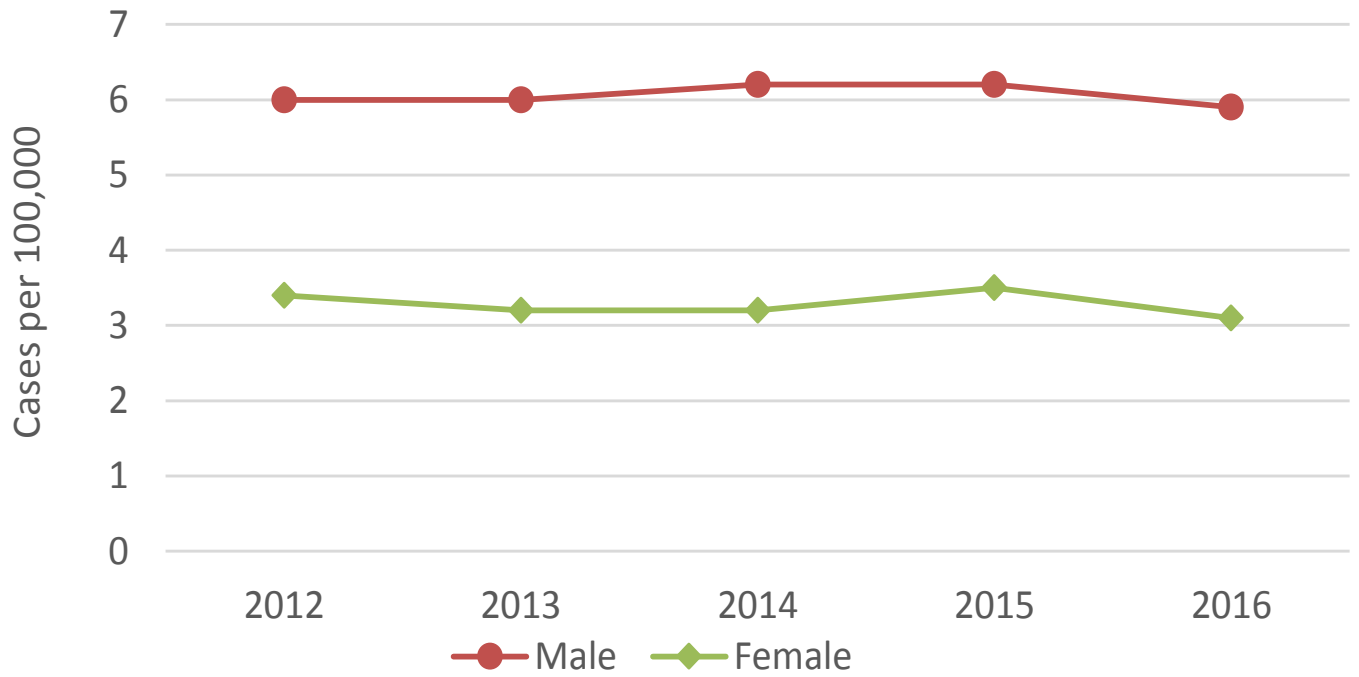


Figure 4: Texas TB Case Rate by Age Group, 2016

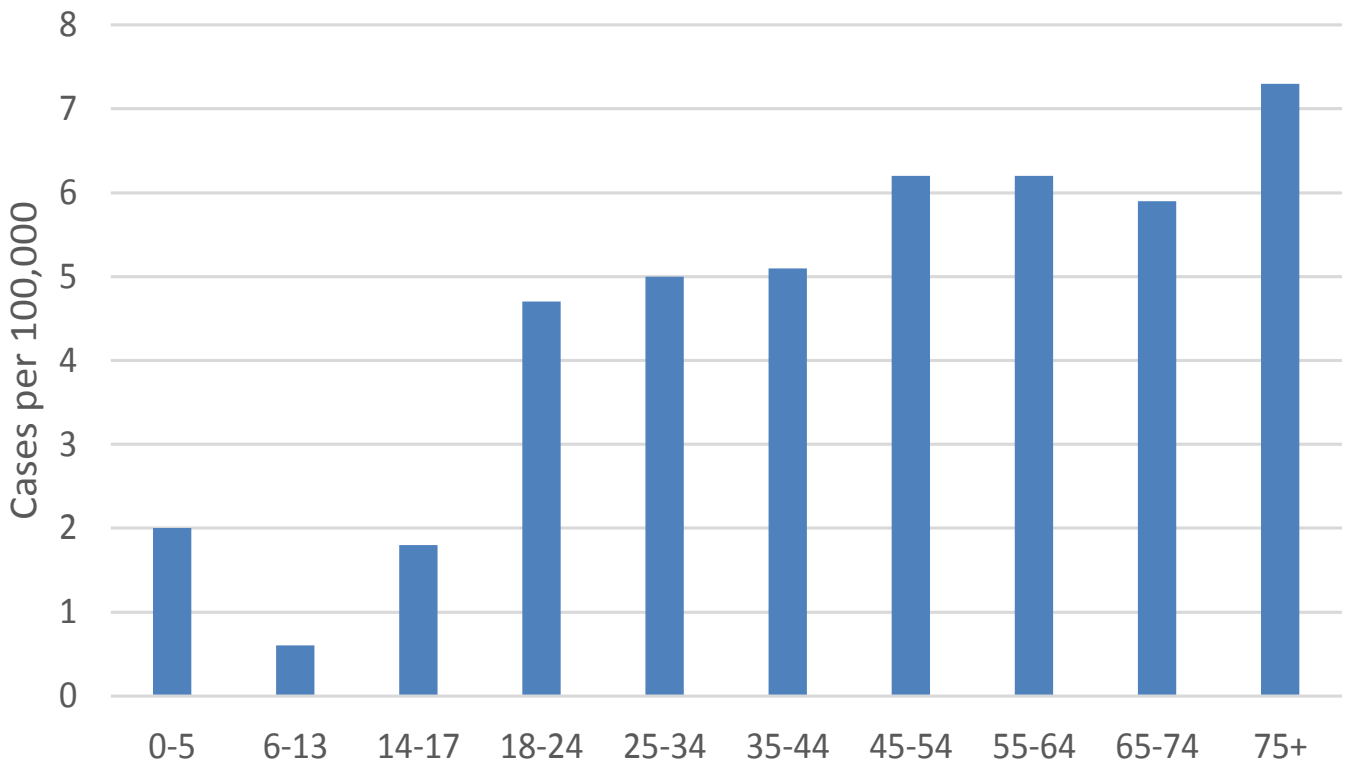


Table 3-1: TB Case Count and Rate among Males by Age Group, Race/Ethnicity, 2012-2016

Age Group	2012		2013		2014		2015		2016	
	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*
0-5	22	1.8	34	2.8	26	2.2	20	1.6	25	2.0
6-13	8	0.5	8	0.5	11	0.7	8	0.5	5	0.3
14-17	18	2.3	14	1.8	12	1.5	16	2.0	13	1.6
18-24	75	5.4	77	5.5	71	5.0	66	4.6	80	5.6
25-34	111	5.8	123	6.3	139	7.0	146	7.2	135	6.5
35-44	117	6.6	103	5.8	139	7.7	140	7.6	126	6.8
45-54	156	9.1	163	9.5	151	8.8	154	8.9	163	9.3
55-64	155	11.4	146	10.5	151	10.6	151	10.3	145	9.6
65-74	69	8.9	69	8.5	78	9.1	86	9.6	77	8.2
75+	56	11.6	61	12.3	63	12.3	71	13.3	53	9.6
Race/Ethnicity										
White	110	1.9	120	2.0	83	1.4	98	1.6	76	1.3
Black	132	8.8	147	9.6	150	9.6	166	10.3	155	9.4
Hispanic	423	8.4	410	8	471	9.0	449	8.4	454	8.3
API†	121	21.9	121	20.9	135	22.1	144	22.4	136	20.2
AIAN‡	1	2.1	0	0.0	2	4.0	1	2.0	1	1.9

* Rates represent cases per 100,000

† API: Asian/Pacific Islander

‡ AIAN: American Indian/Alaska Native

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

Table 3-2: TB Case Count and Rate among Females by Age Group, Race/Ethnicity, 2012-2016

Age Group	2012		2013		2014		2015		2016	
	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*
0-5	30	2.6	21	1.8	26	2.2	29	2.4	23	1.9
6-13	15	1.0	7	0.5	9	0.6	19	1.2	14	0.9
14-17	18	2.4	14	1.9	13	1.7	15	1.9	16	2.0
18-24	47	3.6	52	4.0	45	3.4	46	3.4	50	3.7
25-34	83	4.5	79	4.2	74	3.8	85	4.3	69	3.4
35-44	62	3.5	60	3.3	62	3.4	71	3.8	65	3.5
45-54	60	3.5	60	3.5	62	3.6	67	3.8	56	3.2
55-64	57	3.9	52	3.5	65	4.3	74	4.7	49	3.1
65-74	41	4.7	37	4.0	39	4.0	33	3.2	41	3.8
75+	33	4.6	41	5.6	33	4.4	37	4.8	45	5.7
Race/Ethnicity										
White	51	0.9	53	0.9	40	0.7	46	0.8	31	0.5
Black	93	5.8	82	5	72	4.3	84	4.9	79	4.5
Hispanic	214	4.3	213	4.2	219	4.2	222	4.2	216	4.0
API†	88	15.1	75	12.3	96	14.9	122	17.8	102	14.4
AIAN‡	0	0.0	0	0.0	1	2.0	2	3.9	0	0.0

* Rates represent cases per 100,000

† API: Asian/Pacific Islander

‡ AIAN: American Indian/Alaska Native

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

Table 4: TB Deaths and Rate by Sex, Race/Ethnicity and Age Group, 2012-2016

	2012		2013		2014		2015		2016	
	Count	Rate*	Count	Rate*	Count	Rate*	Count	Rate*	Count	Rate*
Sex										
Male	45	0.3	60	0.4	50	0.4	52	0.4	31	0.2
Female	18	0.1	25	0.2	16	0.1	24	0.2	21	0.2
Race/Ethnicity										
White	12	0.1	16	0.1	10	0.1	16	0.1	8	0.1
Black	13	0.4	16	0.5	12	0.4	15	0.5	13	0.4
Hispanic	31	0.3	45	0.4	34	0.3	32	0.3	24	0.2
API†	7	0.6	8	0.7	9	0.7	13	1.0	7	0.5
AIAN‡	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
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	0	0.0	0	0.0	1	0.1	0	0.0	0	0.0
18-24	0	0.0	2	0.1	2	0.1	2	0.1	1	0.0
25-34	1	0.0	2	0.1	1	0.0	0	0.0	1	0.0
35-44	5	0.1	5	0.1	8	0.2	7	0.2	0	0.0
45-54	10	0.3	20	0.6	11	0.3	14	0.4	7	0.2
55-64	16	0.6	18	0.6	15	0.5	22	0.7	14	0.4
65-74	11	0.7	9	0.5	10	0.5	15	0.8	15	0.7
75+	20	1.7	29	2.4	17	1.3	16	1.2	14	1.0
Total	63	0.2	85	0.3	65	0.2	76	0.3	52	0.2

* Rates represent cases per 100,000 population.

† API: Asian/Pacific Islander

‡ AIAN: American Indian/Alaska Native

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

Risk Factors and Drug Resistance TB Cases in Texas

Table 5-1: Risk Factors Among TB Cases, 2012 - 2016

Risk Factor	2012		2013		2014		2015		2016	
	Cases	Proportion	Cases	Proportion	Cases	Proportion	Cases	Proportion	Cases	Proportion
Foreign-Born*	662	54%	674	55%	764	60%	772	58%	739	59%
Homeless	65	5%	84	7%	63	5%	90	7%	64	5%
Correctional Facility Resident	119	10%	120	10%	145	11%	151	11%	145	12%
Alcohol Abuse	222	18%	214	18%	215	17%	222	17%	188	15%
Diabetes	218	18%	228	19%	254	20%	241	18%	232	19%
HIV Positive	78	6%	80	7%	66	5%	76	6%	69	6%
IDU†	28	2%	36	3%	45	4%	36	3%	22	2%
Non-IDU‡	104	8%	127	10%	128	10%	130	10%	108	9%

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

† Injection Drug Use

‡ Non-Injection Drug Use

Note: Case can count to multiple risks

Table 5-2: HIV Status Among TB Cases, 2012 - 2016

Counted Year	Negative in past year		Not offered		Positive		Refused		Unknown	
	Cases	Proportion	Cases	Proportion	Cases	Proportion	Cases	Proportion	Cases	Proportion
2012	933	76%	201	16%	78	6%	18	1%	3	0%
2013	1005	82%	121	10%	80	7%	15	1%	0	0%
2014	1055	83%	121	10%	66	5%	23	2%	4	0%
2015	1134	85%	105	8%	76	6%	18	1%	1	0%
2016	1079	86%	95	8%	69	6%	7	1%	0	0%

Table 6: Occupational Risk Factors Among TB Cases, 2012 - 2016

Occupation	2012		2013		2014		2015		2016	
	Cases	Proportion	Cases	Proportion	Cases	Proportion	Cases	Proportion	Cases	Proportion
Correctional Facility Employee	8	1%	5	0%	3	0%	0	0%	2	0%
Health Care Worker	31	3%	45	4%	24	2%	36	3%	31	2%
Migrant/ Seasonal Worker	2	0%	10	1%	3	0%	3	0%	3	0%
Unemployed	331	27%	299	24%	308	24%	396	30%	363	29%

Table 7: Drug Resistance Among TB Cases, 2012 - 2016

	2012		2013		2014		2015		2016	
	Cases	Proportion	Cases	Proportion	Cases	Proportion	Cases	Proportion	Cases	Proportion
Pan-susceptible	1119	91%	1113	91%	1149	91%	1196	90%	1137	91%
Isoniazid Resistant	72	6%	60	5%	70	6%	76	6%	63	5%
Rifampin Resistant	0	0%	1	0%	1	0%	0	0%	0	0%
MDR*	5	0%	4	0%	6	0%	9	1%	10	1%
XDR†	0	0%	1	0%	0	0%	0	0%	0	0%
Resistance Detected to Any Drug‡	37	3%	42	3%	43	3%	53	4%	40	3%

* Multidrug-resistant Tuberculosis, resistant to at least isoniazid and rifampin

† Extensively Drug Resistant Tuberculosis, resistant to isoniazid and rifampin, plus any fluoroquinolone and at least one of three injectable second-line drugs (i.e., amikacin, kanamycin, or capreomycin)

‡ Including isoniazid, rifampin, etc

Foreign-born TB Cases in Texas

Table 8: Foreign-born versus US-born Among Texas TB Cases, 2012 - 2016

	2012		2013		2014		2015		2016	
	Cases	Proportion	Cases	Proportion	Cases	Proportion	Cases	Proportion	Cases	Proportion
Foreign-born	663	54%	674	55%	766	60%	772	58%	739	59%
US-born	570	46%	547	45%	503	40%	562	42%	511	41%
Total	1233	100%	1221	100%	1269	100%	1334	100%	1250	100%

Table 9: Foreign-born versus US-born Among Texas TB Cases by Race/Ethnicity, 2012 - 2016

Race/Ethnicity		2012		2013		2014		2015		2016	
		Cases	Proportion	Cases	Proportion	Cases	Proportion	Cases	Proportion	Cases	Proportion
Foreign-born	WHITE	12	2%	27	4%	17	2%	16	2%	13	2%
	BLACK	51	8%	69	10%	64	8%	69	9%	66	9%
	HISPANIC	410	62%	395	59%	465	61%	434	56%	435	59%
	API†	190	29%	183	27%	220	29%	253	33%	224	30%
	AIAN‡	0	0%	0	0%	0	0%	0	0%	1	0%
US-born	WHITE	149	26%	146	27%	106	21%	128	23%	94	18%
	BLACK	174	31%	160	29%	158	31%	181	32%	168	33%
	HISPANIC	227	40%	228	42%	225	45%	237	42%	235	46%
	API†	19	3%	13	2%	11	2%	13	2%	14	3%
	AIAN‡	1	0%	0	0%	3	1%	3	1%	0	0%
Total		1233	100%	1221	100%	1269	100%	1334	100%	1250	100%

† API: Asian/Pacific Islander

‡ AIAN: American Indian/Alaska Native

Table 10: Foreign-born versus US-born Among Texas TB Cases by Sex, 2012 - 2016

Sex		2012		2013		2014		2015		2016	
		Cases	Proportion	Cases	Proportion	Cases	Proportion	Cases	Proportion	Cases	Proportion
Foreign-born	Male	431	65%	423	63%	499	65%	488	63%	466	63%
	Female	232	35%	251	37%	267	35%	284	37%	273	37%
US-born	Male	356	62%	375	69%	342	68%	370	66%	356	70%
	Female	214	38%	172	31%	161	32%	192	34%	155	30%
Total		1233	100%	1221	100%	1269	100%	1334	100%	1250	100%

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

Table 11: Foreign-born TB Cases by Top 15 Countries of Birth, 2012 - 2016

Country of Birth	2012		2013		2014		2015		2016	
	Cases	Proportion*	Cases	Proportion*	Cases	Proportion*	Cases	Proportion*	Cases	Proportion*
MEXICO	325	49%	312	46%	340	44%	323	42%	318	43%
VIETNAM	53	8%	54	8%	66	9%	71	9%	67	9%
INDIA	44	7%	38	6%	43	6%	40	5%	56	8%
HONDURAS	29	4%	34	5%	42	5%	42	5%	40	5%
EL SALVADOR	20	3%	18	3%	25	3%	23	3%	30	4%
PHILIPPINES	31	5%	28	4%	31	4%	25	3%	27	4%
GUATEMALA	19	3%	21	3%	35	5%	30	4%	24	3%
MYANMAR	16	2%	14	2%	21	3%	30	4%	22	3%
NIGERIA	3	0%	12	2%	12	2%	12	2%	17	2%
NEPAL	6	1%	12	2%	4	1%	14	2%	13	2%
CHINA	13	2%	9	1%	15	2%	18	2%	12	2%
PAKISTAN	6	1%	4	1%	12	2%	7	1%	9	1%
SOMALIA	3	0%	10	1%	11	1%	8	1%	8	1%
ERITREA	0	0%	3	0%	4	1%	8	1%	6	1%
SUDAN	0	0%	0	0%	0	0%	0	0%	6	1%

* Proportions represent the proportions of cases among those foreign-born cases

Note: Rank by the numbers of cases in 2016

TB Cases Among Those in Correctional Facilities

Table 12: TB Corrections Cases by Race/Ethnicity, Sex, and Age Group in Texas, 2012 - 2016

Race/Ethnicity	2012		2013		2014		2015		2016	
	Cases	Proportion	Cases	Proportion	Cases	Proportion	Cases	Proportion	Cases	Proportion
WHITE	9	8%	13	11%	8	5%	7	5%	7	5%
BLACK	21	18%	22	18%	14	10%	30	20%	42	29%
HISPANIC	85	71%	73	61%	118	81%	105	69%	91	63%
API†	3	3%	12	10%	6	4%	10	7%	5	3%
AIAN‡	1	1%	0	0%	0	0%	0	0%	0	0%
Sex										
Male	111	93%	111	93%	139	95%	134	88%	134	92%
Female	8	7%	9	8%	7	5%	18	12%	11	8%
Age Group										
0-5	0	0%	0	0%	0	0%	0	0%	0	0%
6-13	0	0%	0	0%	0	0%	0	0%	0	0%
14-17	2	2%	0	0%	0	0%	1	1%	1	1%
18-24	22	18%	20	17%	26	18%	27	18%	30	21%
25-34	31	26%	35	29%	51	35%	54	36%	42	29%
35-44	25	21%	25	21%	29	20%	39	26%	28	19%
45-54	24	20%	25	21%	29	20%	17	11%	30	21%
55-64	13	11%	9	8%	11	8%	11	7%	13	9%
65-74	1	1%	4	3%	0	0%	3	2%	1	1%
75+	1	1%	2	2%	0	0%	0	0%	0	0%
Total	119	100%	120	100%	146	100%	152	100%	145	100%

† API: Asian/Pacific Islander

‡ AIAN: American Indian/Alaska Native

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

Table 13: TB Corrections Cases by Correctional Facility Type, 2012 - 2016

Risk Factor	2012		2013		2014		2015		2016	
	Cases	Proportion	Cases	Proportion	Cases	Proportion	Cases	Proportion	Cases	Proportion
Federal Prison	28	24%	21	18%	20	14%	19	13%	23	16%
State Prison	22	18%	13	11%	23	16%	28	18%	29	20%
Local Jails	39	33%	54	45%	38	26%	38	25%	45	31%
ICE*	25	21%	32	27%	64	44%	65	43%	46	32%
Juvenile Detention Centers	1	1%	0	0%	0	0%	0	0%	1	1%
Total Cases	119	100%	120	100%	146	100%	152	100%	145	100%

* U.S. Immigration and Customs Enforcement

Table 14: Risk Factors Among TB Corrections Cases, 2012 - 2016

Risk Factor	2012		2013		2014		2015		2016	
	Cases	Proportion	Cases	Proportion	Cases	Proportion	Cases	Proportion	Cases	Proportion
Foreign-Born*	68	57%	67	56%	101	69%	94	62%	89	61%
Homeless	10	8%	12	10%	7	5%	9	6%	11	8%
HIV Positive	6	5%	11	9%	8	5%	6	4%	8	6%
Diabetes	10	8%	7	6%	9	6%	4	3%	10	7%
Alcohol Abuse	28	24%	33	28%	34	23%	21	14%	18	12%
IDU†	5	4%	11	9%	26	18%	10	7%	3	2%
Non-IDU‡	20	17%	29	24%	43	29%	28	18%	20	14%
Total Cases	119	100%	120	100%	146	100%	152	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

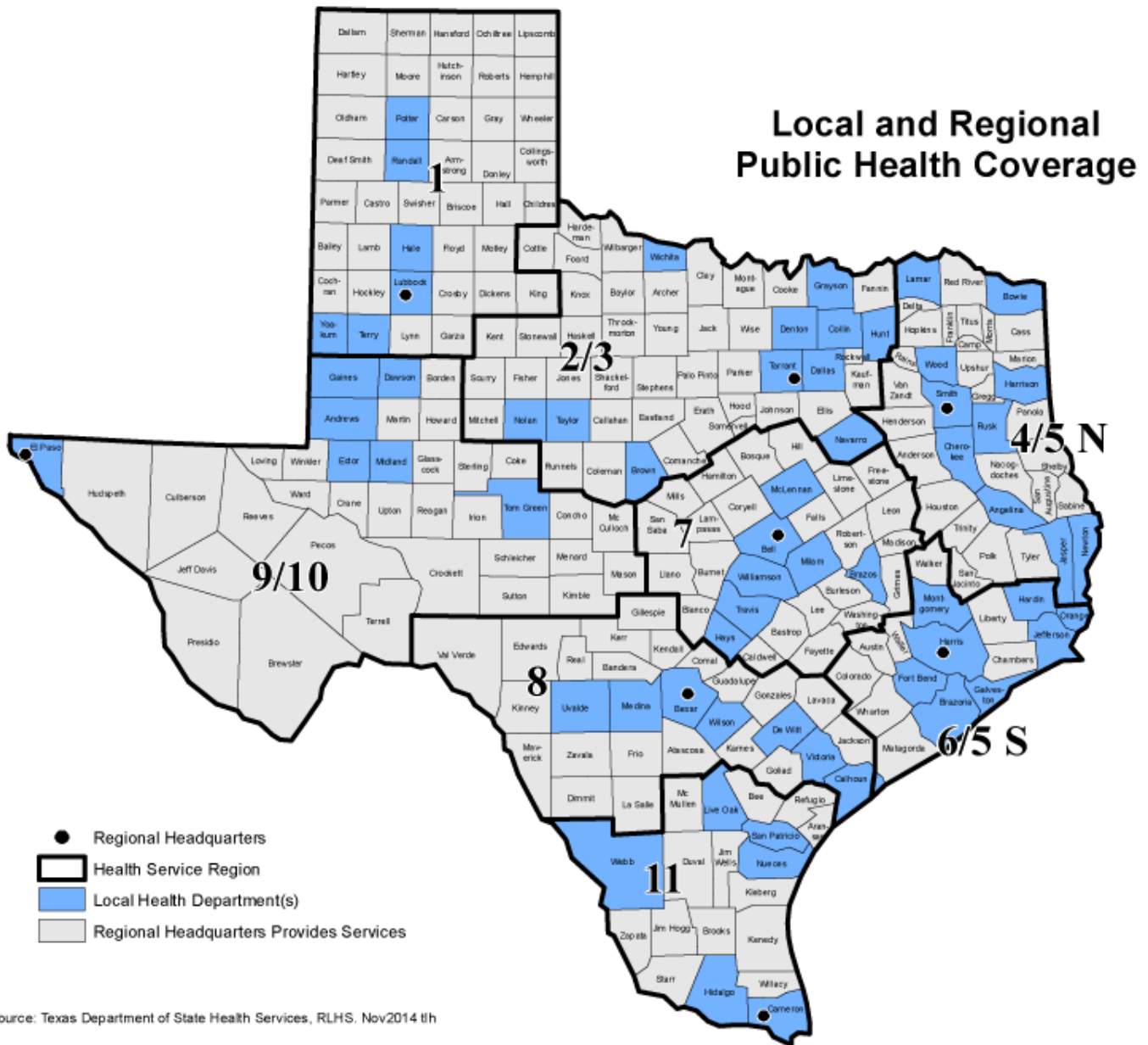
Table 15: Drug Resistance Among TB Corrections Cases, 2012 - 2016

	2012		2013		2014		2015		2016	
	Cases	Proportion	Cases	Proportion	Cases	Proportion	Cases	Proportion	Cases	Proportion
Isoniazid Resistance	10	8%	2	2%	7	5%	8	5%	6	4%
Rifampin Resistance	1	1%	0	0%	2	1%	0	0%	0	0%
MDR*	1	1%	1	1%	0	0%	1	1%	0	0%
XDR†	0	0%	1	1%	0	0%	0	0%	0	0%
Total Cases	119	100%	120	100%	146	100%	152	100%	145	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, 2012-2016

Health Service Region	2012		2013		2014		2015		2016	
	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*
HSR 1	33	3.9	36	4.2	52	6.0	30	3.5	22	2.5
HSR 2/3	319	4.2	336	4.4	305	3.9	333	4.2	330	4.1
HSR 4/5N	46	3.1	58	3.9	43	2.9	41	2.7	27	1.8
HSR 6/5S	368	5.5	347	5.0	387	5.5	398	5.5	361	4.9
HSR 7	90	2.9	82	2.6	82	2.5	99	3.0	90	2.7
HSR 8	111	4.1	111	4.0	132	4.7	129	4.5	116	4.0
HSR 9/10	55	3.8	64	4.4	56	3.8	57	3.8	57	3.8
HSR 11	189	8.7	174	7.9	189	8.5	219	9.8	218	9.7
TDCJ	22		13		23		28		29	
Total	1233	4.7	1221	4.6	1269	4.7	1334	4.9	1250	4.5

* Rates represent cases per 100,000

Table 17: TB Cases by County of Residence, 2012-2016

County	2012		2013		2014		2015		2016	
	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*
Texas	1233	4.7	1221	4.6	1269	4.7	1334	4.9	1250	4.5
Anderson	1	1.7	1	1.7	0	0.0	0	0.0	1	1.7
Andrews	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Angelina	5	5.7	4	4.6	1	1.1	2	2.3	0	0.0
Aransas	2	8.5	0	0.0	0	0.0	1	4.0	2	7.8
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	1	2.2	1	2.1	1	2.1	2	4.1	0	0.0
Austin	0	0.0	0	0.0	3	10.4	0	0.0	0	0.0
Bailey	0	0.0	0	0.0	1	14.3	0	0.0	0	0.0
Bandera	0	0.0	0	0.0	0	0.0	1	4.7	0	0.0
Bastrop	1	1.3	1	1.3	2	2.6	1	1.2	0	0.0
Baylor	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Bee	1	3.1	0	0.0	2	6.1	1	3.1	1	3.1
Bell	2	0.6	3	0.9	3	0.9	7	2.1	6	1.8
Bexar	71	4.0	74	4.1	89	4.8	83	4.4	66	3.4
Blanco	1	9.4	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	0.0
Bosque	0	0.0	0	0.0	1	5.6	0	0.0	0	0.0
Bowie	5	5.4	5	5.4	2	2.1	2	2.1	1	1.1
Brazoria	12	3.7	7	2.1	12	3.6	10	2.9	9	2.5
Brazos	5	2.5	6	2.9	6	2.9	6	2.8	6	2.7
Brewster	0	0.0	0	0.0	0	0.0	1	11.0	0	0.0
Briscoe	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Brooks	0	0.0	2	27.6	0	0.0	3	41.6	1	13.9
Brown	0	0.0	0	0.0	0	0.0	3	7.9	0	0.0
Burleson	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Burnet	5	11.5	0	0.0	3	6.8	0	0.0	0	0.0
Caldwell	3	7.8	1	2.6	3	7.6	1	2.5	1	2.4
Calhoun	1	4.6	3	13.8	2	9.2	3	13.7	2	9.1
Callahan	0	0.0	1	7.4	0	0.0	0	0.0	0	0.0
Cameron	42	10.1	35	8.4	34	8.1	38	9.0	33	7.8
Camp	0	0.0	0	0.0	0	0.0	1	7.9	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	0	0.0	1	3.3
Castro	0	0.0	1	12.5	0	0.0	0	0.0	0	0.0
Chambers	0	0.0	0	0.0	1	2.6	0	0.0	2	5.0
Cherokee	1	2.0	5	9.8	0	0.0	0	0.0	2	3.9
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	1	9.8
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	22	2.6	29	3.4	27	3.1	25	2.7	28	3.0
Collingsworth	1	33.1	0	0.0	0	0.0	0	0.0	0	0.0
Colorado	0	0.0	0	0.0	0	0.0	1	4.8	1	4.8
Comal	1	0.9	2	1.7	0	0.0	0	0.0	2	1.5
Comanche	0	0.0	0	0.0	1	7.4	0	0.0	0	0.0
Concho	0	0.0	0	0.0	2	49.0	0	0.0	0	0.0
Cooke	0	0.0	0	0.0	1	2.6	0	0.0	1	2.5
Coryell	2	2.6	2	2.6	0	0.0	0	0.0	1	1.3
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, 2012-2016 (continued)

County	2012		2013		2014		2015		2016	
	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*
Crane	1	21.9	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	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	1	14.1	0	0.0	0	0.0
Dallas	176	7.2	190	7.7	167	6.6	180	7.1	185	7.2
Dawson	0	0.0	0	0.0	0	0.0	0	0.0	1	7.6
Deaf Smith	3	15.5	0	0.0	1	5.2	0	0.0	0	0.0
Delta	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Denton	15	2.1	20	2.7	16	2.1	18	2.3	30	3.7
DeWitt	0	0.0	1	4.9	0	0.0	0	0.0	0	0.0
Dickens	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Dimmit	1	9.5	1	9.2	1	9.1	0	0.0	1	9.3
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	1	5.5	1	5.5	0	0.0
Ector	3	2.1	5	3.3	1	0.6	0	0.0	4	2.5
Edwards	0	0.0	1	53.2	0	0.0	0	0.0	1	52.3
Ellis	7	4.6	4	2.6	2	1.3	6	3.7	2	1.2
El Paso	37	4.5	48	5.8	40	4.8	34	4.1	41	4.9
Erath	3	7.6	0	0.0	1	2.5	5	12.1	1	2.4
Falls	0	0.0	0	0.0	0	0.0	1	5.8	0	0.0
Fannin	0	0.0	0	0.0	0	0.0	1	3.0	0	0.0
Fayette	1	4.0	0	0.0	0	0.0	1	4.0	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	24	3.8	23	3.5	19	2.8	27	3.8	27	3.6
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	0	0.0	1	5.5	2	10.7	1	5.3	5	26.4
Gaines	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Galveston	18	6.0	9	2.9	15	4.8	6	1.9	13	3.9
Garza	1	15.5	6	93.7	1	15.6	3	47.0	0	0.0
Gillespie	0	0.0	0	0.0	0	0.0	1	3.8	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	1	13.3
Gonzales	1	5.0	1	5.0	0	0.0	0	0.0	1	4.8
Gray	1	4.4	2	8.7	2	8.5	1	4.3	0	0.0
Grayson	8	6.6	1	0.8	0	0.0	3	2.4	2	1.6
Gregg	5	4.1	14	11.4	6	4.9	12	9.7	4	3.2
Grimes	3	11.2	0	0.0	0	0.0	0	0.0	2	7.2
Guadalupe	6	4.3	1	0.7	1	0.7	2	1.3	2	1.3
Hale	1	2.8	0	0.0	4	11.6	1	2.9	0	0.0
Hall	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Hamilton	0	0.0	0	0.0	1	12.2	0	0.0	0	0.0
Hansford	0	0.0	1	18.0	0	0.0	1	17.8	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	1	1.8	0	0.0
Harris	260	6.1	272	6.3	309	7.0	321	7.1	276	6.0
Harrison	1	1.5	1	1.5	3	4.5	4	6.0	1	1.5

* Rates represent cases per 100,000

Table 17: TB Cases by County of Residence, 2012-2016 (continued)

County	2012		2013		2014		2015		2016	
	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	0	0.0	1	17.3	0	0.0
Hays	6	3.6	2	1.1	2	1.1	2	1.0	3	1.5
Hemphill	0	0.0	0	0.0	1	24.0	0	0.0	0	0.0
Henderson	0	0.0	1	1.3	6	7.6	4	5.0	0	0.0
Hidalgo	67	8.3	62	7.6	68	8.2	70	8.3	80	9.4
Hill	0	0.0	2	5.7	1	2.9	0	0.0	2	5.7
Hockley	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Hood	1	1.9	2	3.8	0	0.0	1	1.8	0	0.0
Hopkins	0	0.0	2	5.6	1	2.8	0	0.0	0	0.0
Houston	1	4.3	0	0.0	1	4.4	1	4.4	1	4.4
Howard	1	2.8	5	13.8	1	2.7	0	0.0	1	2.7
Hudspeth	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Hunt	3	3.4	0	0.0	0	0.0	2	2.2	4	4.3
Hutchinson	0	0.0	0	0.0	4	18.3	0	0.0	2	9.3
Irion	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Jack	1	11.1	2	22.5	0	0.0	0	0.0	0	0.0
Jackson	0	0.0	0	0.0	1	6.8	0	0.0	0	0.0
Jasper	1	2.8	2	5.6	1	2.8	0	0.0	0	0.0
Jeff Davis	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Jefferson	19	7.6	8	3.2	4	1.6	9	3.5	10	3.9
Jim Hogg	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Jim Wells	0	0.0	1	2.4	0	0.0	1	2.4	2	4.9
Johnson	0	0.0	1	0.6	1	0.6	2	1.3	1	0.6
Jones	0	0.0	1	5.0	0	0.0	0	0.0	0	0.0
Karnes	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Kaufman	1	0.9	4	3.7	1	0.9	7	6.1	3	2.5
Kendall	0	0.0	0	0.0	0	0.0	1	2.5	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	1	2.0	1	2.0	1	2.0	0	0.0	0	0.0
Kimble	1	22.0	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	0.0
Kinney	1	27.6	0	0.0	0	0.0	0	0.0	0	0.0
Kleberg	1	3.1	0	0.0	0	0.0	1	3.2	2	6.3
Knox	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Lamar	0	0.0	2	4.1	0	0.0	0	0.0	2	4.0
Lamb	0	0.0	0	0.0	3	22.1	1	7.5	0	0.0
Lampasas	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
La Salle	0	0.0	0	0.0	3	40.2	0	0.0	2	26.3
Lavaca	0	0.0	0	0.0	0	0.0	2	10.1	0	0.0
Lee	0	0.0	0	0.0	0	0.0	1	5.9	1	5.9
Leon	0	0.0	0	0.0	1	6.0	0	0.0	1	5.8
Liberty	6	7.9	3	3.9	2	2.6	2	2.5	0	0.0
Limestone	2	8.5	2	8.6	1	4.3	1	4.3	0	0.0
Lipscomb	0	0.0	1	28.7	0	0.0	0	0.0	0	0.0
Live Oak	0	0.0	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	0.0
Loving	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Lubbock	15	5.2	4	1.4	4	1.4	8	2.7	7	2.3
Lynn	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
McCulloch	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, 2012-2016 (continued)

County	2012		2013		2014		2015		2016	
	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*
McLennan	8	3.3	9	3.7	0	0.0	3	1.2	2	0.8
McMullen	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Madison	1	7.3	1	7.3	0	0.0	0	0.0	1	7.1
Marion	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Martin	2	40.0	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	0.0
Matagorda	4	10.9	0	0.0	0	0.0	3	8.1	0	0.0
Maverick	10	18.0	3	5.3	9	15.8	6	10.4	7	12.1
Medina	0	0.0	0	0.0	0	0.0	0	0.0	1	2.0
Menard	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Midland	6	4.1	2	1.3	1	0.6	10	6.2	2	1.2
Milam	0	0.0	0	0.0	0	0.0	0	0.0	1	4.0
Mills	2	41.4	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	0.0
Montague	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Montgomery	10	2.1	9	1.8	6	1.2	9	1.7	14	2.5
Moore	2	8.9	4	18.0	12	54.2	4	18.1	7	31.6
Morris	0	0.0	0	0.0	1	7.9	0	0.0	0	0.0
Motley	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Nacogdoches	6	9.1	9	13.8	4	6.1	2	3.0	2	3.0
Navarro	0	0.0	2	4.2	0	0.0	2	4.1	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	1	6.6	0	0.0	0	0.0
Nueces	10	2.9	13	3.7	15	4.2	7	1.9	11	3.0
Ochiltree	2	18.9	0	0.0	0	0.0	1	9.3	1	9.7
Oldham	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Orange	0	0.0	1	1.2	1	1.2	0	0.0	0	0.0
Palo Pinto	0	0.0	1	3.6	2	7.1	1	3.6	1	3.6
Panola	1	4.2	1	4.2	1	4.2	1	4.2	0	0.0
Parker	0	0.0	1	0.8	1	0.8	2	1.6	2	1.5
Parmer	2	19.7	3	30.1	2	20.2	0	0.0	0	0.0
Pecos	2	12.8	0	0.0	0	0.0	0	0.0	0	0.0
Polk	1	2.2	0	0.0	0	0.0	3	6.4	0	0.0
Potter	5	4.1	11	9.0	14	11.5	5	4.1	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	0	0.0	0	0.0	1	0.8	2	1.5	0	0.0
Reagan	0	0.0	1	27.8	0	0.0	0	0.0	0	0.0
Real	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Red River	1	7.9	0	0.0	1	8.0	0	0.0	0	0.0
Reeves	1	7.2	1	7.1	2	13.9	0	0.0	1	6.7
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	1	6.1	0	0.0	1	6.0	0	0.0
Rockwall	0	0.0	3	3.5	3	3.4	1	1.1	2	2.1
Runnels	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Rusk	1	1.9	0	0.0	9	16.9	3	5.7	1	1.9
Sabine	1	9.6	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	0.0
San Jacinto	0	0.0	1	3.7	0	0.0	1	3.7	0	0.0
San Patricio	1	1.5	0	0.0	1	1.5	6	8.9	4	5.9
San Saba	0	0.0	0	0.0	0	0.0	0	0.0	1	16.8

* Rates represent cases per 100,000

Table 17: TB Cases by County of Residence, 2012-2016 (continued)

County	2012		2013		2014		2015		2016	
	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*
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	7.7	3	11.6	1	3.9	2	7.9	5	19.5
Sherman	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Smith	7	3.3	5	2.3	1	0.5	1	0.4	2	0.9
Somervell	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Starr	14	22.6	4	6.4	6	9.5	5	7.9	13	20.3
Stephens	0	0.0	0	0.0	0	0.0	1	10.1	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	73	3.9	68	3.6	77	4.0	67	3.4	62	3.1
Taylor	2	1.5	1	0.7	1	0.7	3	2.2	2	1.5
Terrell	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Terry	0	0.0	1	7.9	1	7.8	0	0.0	0	0.0
Throckmorton	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Titus	3	9.2	1	3.1	1	3.1	0	0.0	1	3.1
Tom Green	1	0.9	0	0.0	2	1.7	2	1.7	1	0.8
Travis	37	3.4	41	3.7	49	4.3	59	5.0	52	4.3
Trinity	0	0.0	0	0.0	0	0.0	0	0.0	1	6.9
Tyler	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Upshur	1	2.5	0	0.0	1	2.5	0	0.0	0	0.0
Upton	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Uvalde	0	0.0	1	3.7	0	0.0	1	3.7	0	0.0
Val Verde	4	8.2	7	14.3	4	8.2	8	16.4	6	12.3
Van Zandt	0	0.0	0	0.0	0	0.0	2	3.7	0	0.0
Victoria	1	1.1	1	1.1	1	1.1	1	1.1	4	4.3
Walker	4	5.8	0	0.0	0	0.0	0	0.0	0	0.0
Waller	3	6.8	1	2.2	3	6.4	2	4.1	1	2.0
Ward	0	0.0	1	8.9	0	0.0	2	17.1	1	8.6
Washington	0	0.0	0	0.0	1	2.9	1	2.9	0	0.0
Webb	28	10.8	35	13.3	25	9.4	44	16.4	37	13.6
Wharton	1	2.4	0	0.0	1	2.4	1	2.4	0	0.0
Wheeler	0	0.0	0	0.0	0	0.0	2	35.3	0	0.0
Wichita	3	2.3	0	0.0	2	1.5	1	0.8	2	1.5
Wilbarger	1	7.5	0	0.0	0	0.0	0	0.0	1	7.8
Willacy	6	27.1	1	4.6	0	0.0	1	4.6	0	0.0
Williamson	10	2.2	11	2.3	7	1.4	14	2.8	9	1.7
Wilson	0	0.0	2	4.4	0	0.0	0	0.0	0	0.0
Winkler	0	0.0	0	0.0	0	0.0	1	12.5	0	0.0
Wise	1	1.7	1	1.6	0	0.0	0	0.0	0	0.0
Wood	2	4.7	0	0.0	2	4.6	0	0.0	2	4.5
Yoakum	0	0.0	1	12.2	0	0.0	1	11.7	0	0.0
Young	0	0.0	1	5.4	0	0.0	0	0.0	0	0.0
Zapata	1	7.0	0	0.0	1	7.0	3	20.8	4	27.9
Zavala	0	0.0	2	16.5	0	0.0	0	0.0	0	0.0
ICE†	38		48		73		68		56	
TDCJ‡	22		13		23		28		29	
Total	1233	4.7	1221	4.6	1269	4.7	1334	4.9	1250	4.5

* Rates represent cases per 100,000

† ICE: US Immigration and Customs Enforcement

‡ TDCJ: Texas Department of Criminal Justice