

# **Texas TB Surveillance Report**

**2019 Annual Report**

**Epidemiology and Supplemental Projects Group  
Prepared December, 2020**



**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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HIV/STD/HCV 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, 2019, as well as historical data.

Population numbers used to calculate rates are provided by the U.S. Census Bureau, Population Estimates and Projections Program and are current as of July 1, 2020, by year, county, single-year of age (0, 1, 2, ..., 85 years and over), bridged race, Hispanic origin, and sex at birth].

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 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.texas.gov/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 spreads 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 radiograph 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 tuberculin skin test is performed by injecting a small amount of fluid (called tuber-culin) 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 several Federal Drug Administration (FDA) approved blood tests on the market. Although the tuberculin skin test had 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 used to be treated with one medication for 6-9 months. Short-course treatment regimens for LTBI have been developed consisting of one or two medications given over three to four months which have higher completion rates and less hepatotoxicity than 6 to 9 months of isoniazid monotherapy (6H/9H). If short-course treatment regimens are not a feasible option, 6H and 9H are alternative, effective LTBI treatment regimens. Treatment of suspects varies according to the outcome of their diagnostic tests.

## 2019 Texas Tuberculosis Quick Facts

Number of reported Tuberculosis cases: 1159  
Tuberculosis rate per 100,000 Texas residents: 4.0  
Percent change in Tuberculosis rate from 2018: +2.6%

**Table 1: TB Case Count and Rate by Sex, Race/Ethnicity and Age Group, 2015-2019**

	2015		2016		2017		2018		2019	
	Count	Rate*	Count	Rate*	Count	Rate*	Count	Rate*	Count	Rate*
<b>Sex</b>										
Male	851	6.2	819	5.9	726	5.1	750	5.2	746	5.1
Female	476	3.4	428	3.1	392	2.8	379	2.6	413	2.8
<b>Race/Ethnicity</b>										
White, non-Hispanic	139	1.2	105	0.9	99	0.8	104	0.9	118	1.0
Black, non-Hispanic	248	7.5	235	6.9	207	6.0	226	6.4	191	5.3
Hispanic, all races	671	6.3	668	6.1	585	5.3	570	5.0	610	5.3
API <sup>†</sup>	267	20.0	238	17.0	226	15.5	226	15.0	239	15.4
AIAN <sup>‡</sup>	2	2.0	1	1.0	0	0.0	1	0.9	0	0.0
Other	0	-	0	-	1	-	2	-	1	-
Unknown	0		0		0		0		0	
<b>Age Group (Years)</b>										
0-5	49	2.0	49	2.0	38	1.6	29	1.2	44	1.8
6-13	27	0.8	19	0.6	16	0.5	18	0.5	17	0.5
14-17	31	1.9	29	1.8	27	1.6	35	2.1	39	2.3
18-24	112	4.0	130	4.7	85	3.1	110	3.9	99	3.5
25-34	231	5.7	204	5.0	172	4.1	156	3.7	186	4.3
35-44	211	5.7	190	5.1	195	5.1	170	4.4	172	4.4
45-54	218	6.2	217	6.2	182	5.1	184	5.2	176	5.0
55-64	225	7.4	194	6.2	179	5.6	197	6.1	173	5.3
65-74	118	6.2	118	5.9	118	5.7	134	6.2	141	6.3
75+	105	8.1	97	7.3	106	7.7	96	6.7	112	7.5
<b>Total</b>	<b>1327</b>	<b>4.8</b>	<b>1247</b>	<b>4.5</b>	<b>1118</b>	<b>4.0</b>	<b>1129</b>	<b>3.9</b>	<b>1159</b>	<b>4.0</b>

\*Rates represent cases per 100,000 population

†API: Asian/Pacific Islander

‡AIAN: American Indian/Alaska Native

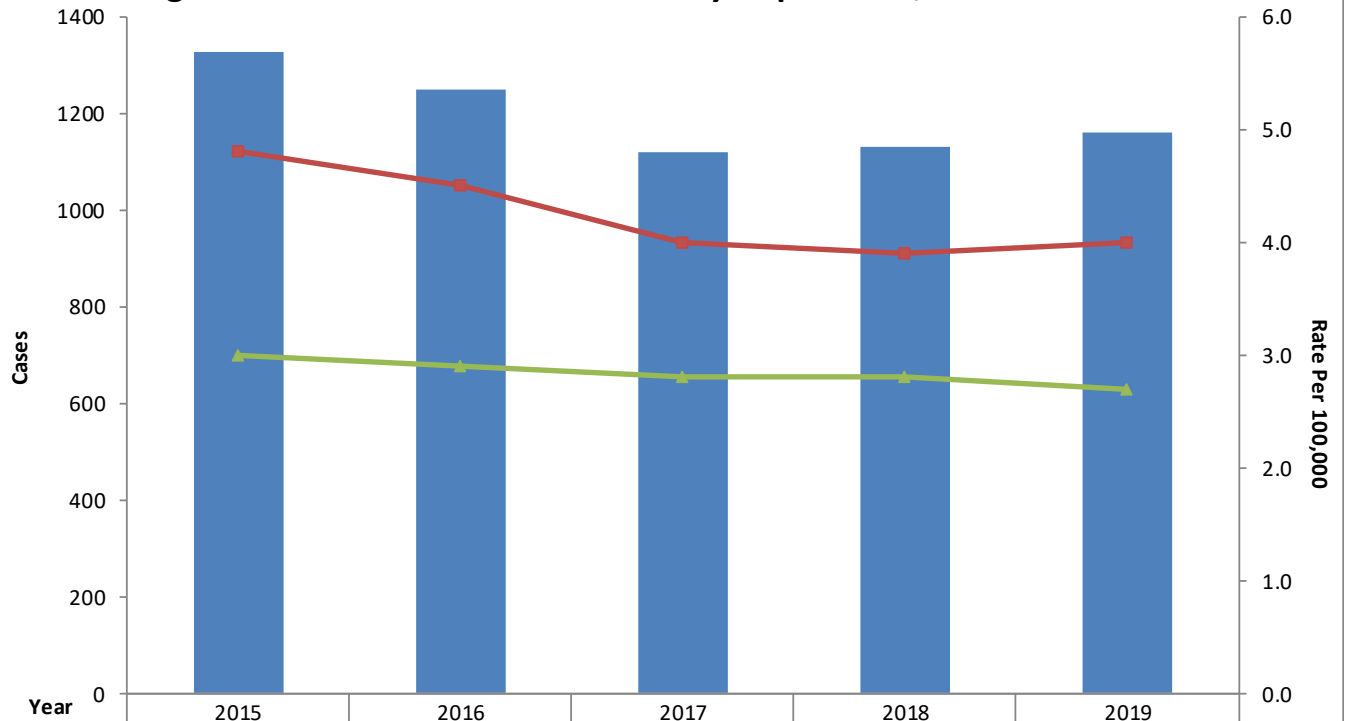
Note: Transgender persons may be included in male, female, or unknown sex categories

**Table 2: TB Case Count and Rate by Age Group and Race/Ethnicity, 2019**

Race/Ethnicity	White, non-Hispanic		Black, non-Hispanic		Hispanic, all races		Asian/Pacific Islander		American Indian/Alaska Native		Other	
	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*
<b>Age Group (Years)</b>												
0-5	4	0.5	12	4.0	23	1.9	5	4.4	0	0.0	0	-
6-13	1	0.1	4	1.0	8	0.5	4	2.5	0	0.0	0	-
14-17	0	0.0	7	3.3	27	3.3	5	6.2	0	0.0	0	-
18-24	5	0.5	14	3.7	59	4.5	21	15.9	0	0.0	0	-
25-34	14	0.9	34	5.7	94	5.3	44	16.5	0	0.0	0	-
35-44	11	0.7	28	5.5	97	6.0	35	12.8	0	0.0	1	-
45-54	21	1.4	34	7.6	85	6.4	36	16.5	0	0.0	0	-
55-64	25	1.4	30	7.5	85	8.9	33	21.8	0	0.0	0	-
65-74	26	1.9	16	6.9	65	11.9	34	33.7	0	0.0	0	-
75+	11	1.1	12	9.8	67	20.4	22	39.8	0	0.0	0	-
<b>Total</b>	<b>118</b>	<b>1.0</b>	<b>191</b>	<b>5.3</b>	<b>610</b>	<b>5.3</b>	<b>239</b>	<b>15.3</b>	<b>0</b>	<b>0.0</b>	<b>1</b>	<b>-</b>

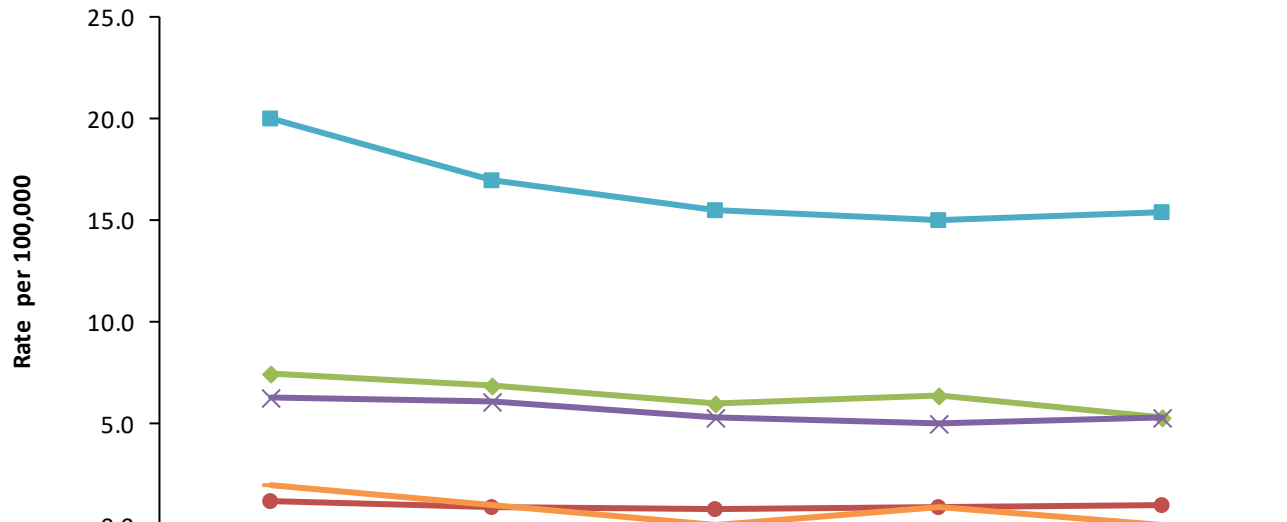
\*Rates represent cases per 100,000

**Figure 1: Texas TB Cases and Rates by Report Year, 2015-2019**



■ Cases	1327	1247	1118	1129	1159
— Texas Rate	4.8	4.5	4.0	3.9	4.0
— National Rate	3.0	2.9	2.8	2.8	2.7

**Figure 2: Texas TB Case Rate by Race/Ethnicity and Report Year, 2015-2019**

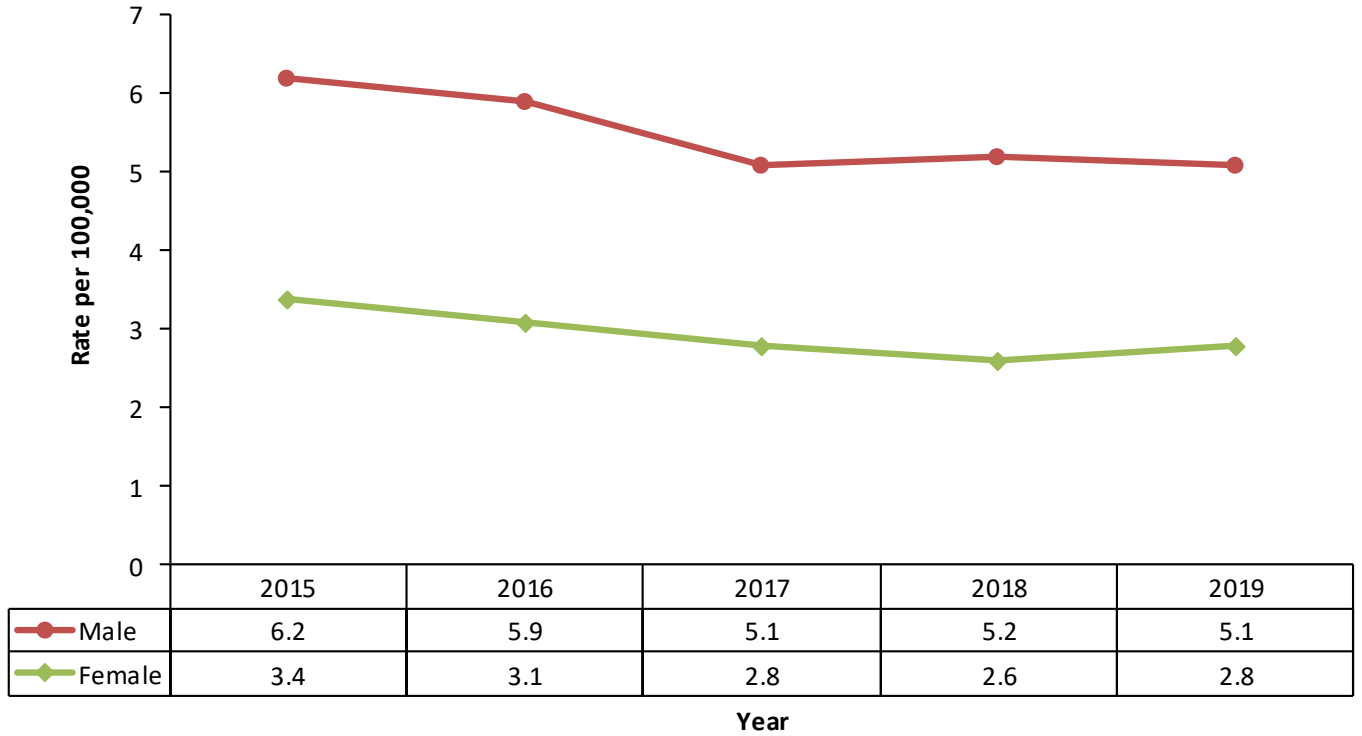


● White, non-Hispanic	1.2	0.9	0.8	0.9	1.0
◆ Black, non-Hispanic	7.5	6.9	6.0	6.4	5.3
× Hispanic, all races	6.3	6.1	5.3	5.0	5.3
■ API†	20.0	17.0	15.5	15.0	15.4
▲ AIAN‡	2.0	1.0	0.0	0.9	0.0

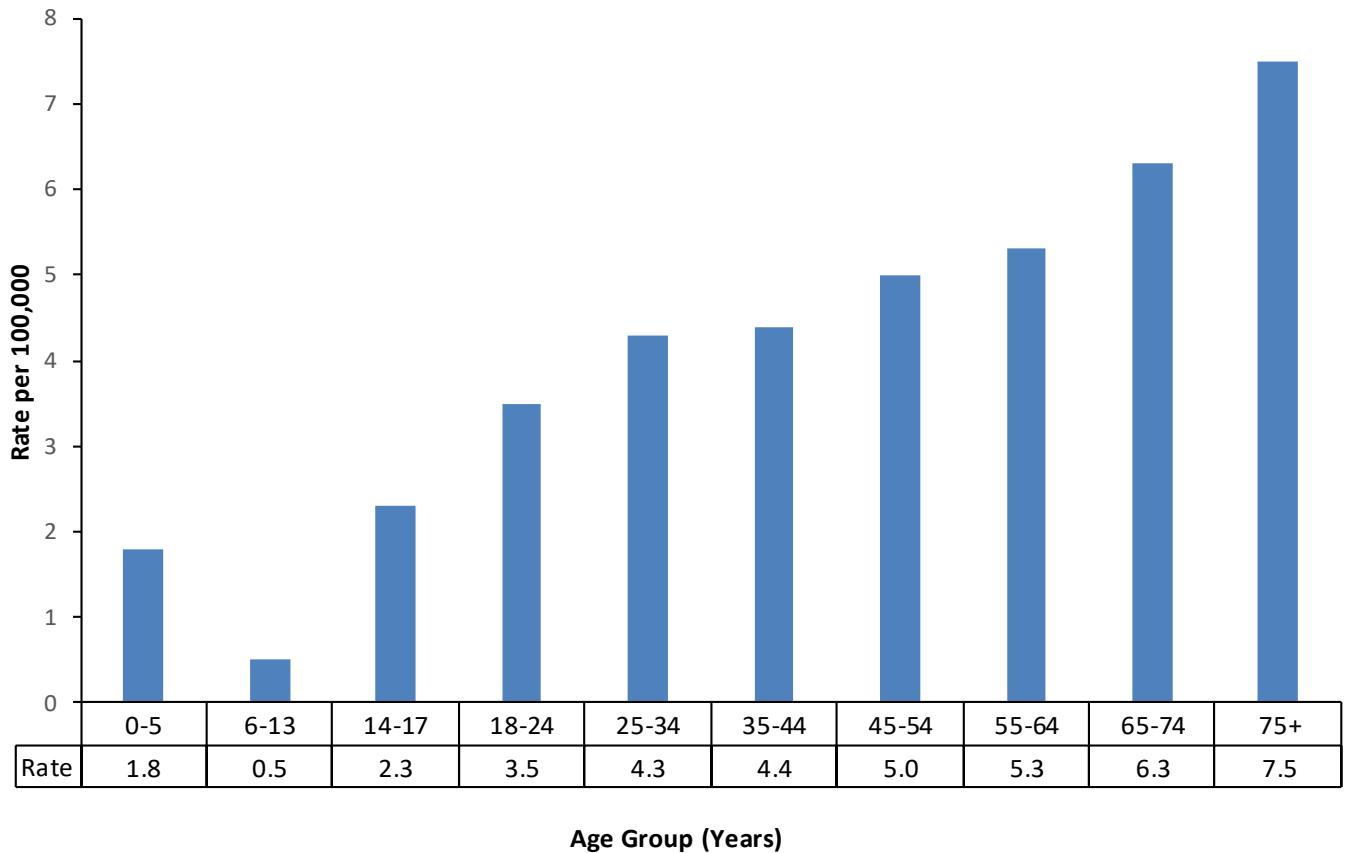
Year

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

**Figure 3: Texas TB Case Rate by Sex and Report Year, 2015-2019**



**Figure 4: Texas TB Case Rate by Age Group, 2019**





**Table 3: TB Case Count and Rate by Age Group, Race/Ethnicity Stratified by Sex, 2015-2019**

Age Group (Years)	2015				2016				2017				2018				2019			
	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	20	1.6	29	2.5	25	2.0	24	2.0	16	1.3	22	1.9	15	1.2	14	1.2	23	1.9	21	1.8
6-13	8	0.5	19	1.2	5	0.3	14	0.9	8	0.5	8	0.5	9	0.5	9	0.6	7	0.4	10	0.6
14-17	16	2.0	15	1.9	13	1.6	16	2.0	17	2.0	10	1.2	22	2.6	13	1.6	25	3.0	14	1.7
18-24	66	4.6	46	3.4	80	5.6	50	3.7	58	4.1	27	2.0	63	4.4	47	3.5	63	4.4	36	2.6
25-34	146	7.1	85	4.3	135	6.5	69	3.4	108	5.1	64	3.1	96	4.5	60	2.9	104	4.8	82	3.9
35-44	140	7.6	71	3.8	126	6.7	64	3.4	129	6.8	66	3.5	111	5.7	59	3.1	112	5.7	60	3.1
45-54	151	8.7	67	3.8	161	9.2	56	3.2	121	6.9	61	3.4	129	7.3	55	3.1	113	6.4	63	3.5
55-64	151	10.3	74	4.7	145	9.6	49	3.1	124	8.1	55	3.4	155	9.9	42	2.5	126	7.9	47	2.8
65-74	85	9.5	33	3.2	77	8.2	41	3.9	79	8.1	39	3.5	88	8.7	46	4.0	104	9.9	37	3.1
75+	68	12.9	37	4.9	52	9.5	45	5.7	66	11.6	40	5.0	62	10.4	34	4.1	69	11.1	43	5.0
Total	851	6.2	476	3.5	819	5.8	428	3.1	726	5.1	392	2.8	750	5.2	379	2.7	746	5.1	413	2.9
<b>Race/Ethnicity</b>																				
White, non-Hispanic	93	1.6	46	0.8	73	1.2	32	0.5	76	1.3	23	0.4	73	1.2	31	0.5	84	1.4	34	0.6
Black, non-Hispanic	164	10.2	84	4.9	156	9.5	79	4.5	131	7.8	76	4.2	152	8.9	74	4.1	123	7	68	3.6
Hispanic, all races	449	8.4	222	4.2	453	8.2	215	4	378	6.7	207	3.7	384	6.7	186	3.3	411	7.1	199	3.5
API <sup>†</sup>	144	22.2	123	18	136	20	102	14.2	140	19.7	86	11.5	138	18.9	88	11.4	128	17	111	13.9
AIAN <sup>‡</sup>	1	2	1	2	1	1.9	0	0	0	0	0	0	1	1.9	0	0	0	0.0	0	0.0
Other	0	0	0	0	0	0	0	0	1	0	0	0	2	0	0	0	0	0	1	0
Unknown	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	851	6.2	476	3.5	819	5.8	428	3.1	726	5.1	392	2.8	750	5.2	379	2.7	746	5.1	413	2.9

\*Rates represent cases per 100,000 population

<sup>†</sup>API: Asian/Pacific Islander

<sup>‡</sup>AIAN: American Indian/Alaska Native

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

**Table 4: Death Count and Rate Among TB Cases by Sex, Race/Ethnicity and Age Group, 2015-2019\***

	2015		2016		2017		2018		2019	
	Count	Rate <sup>^</sup>	Count	Rate <sup>^</sup>	Count	Rate <sup>^</sup>	Count	Rate <sup>^</sup>	Count	Rate <sup>^</sup>
<b>Sex</b>										
Male	51	0.4	39	0.3	47	0.3	47	0.3	47	0.3
Female	24	0.2	26	0.2	25	0.2	20	0.1	13	0.1
<b>Race/Ethnicity</b>										
White, non-Hispanic	15	0.1	9	0.1	4	0.0	8	0.1	4	0.0
Black, non-Hispanic	15	0.5	19	0.6	15	0.4	12	0.3	11	0.3
Hispanic, all races	32	0.3	30	0.3	41	0.4	30	0.3	38	0.3
API <sup>†</sup>	13	1.0	7	0.5	12	0.8	17	1.1	7	0.5
AIAN <sup>‡</sup>	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	
<b>Age Group (Years)</b>										
0-5	0	0.0	0	0.0	0	0.0	1	0.0	1	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	0	0.0	0	0.0	0	0.0
18-24	2	0.1	2	0.1	1	0.0	2	0.1	1	0.0
25-34	0	0.0	2	0.0	0	0.0	2	0.0	3	0.1
35-44	7	0.2	1	0.0	5	0.1	4	0.1	4	0.1
45-54	14	0.4	11	0.3	16	0.5	8	0.2	12	0.3
55-64	22	0.7	15	0.5	17	0.5	13	0.4	11	0.3
65-74	14	0.7	17	0.9	10	0.5	17	0.8	15	0.7
75+	16	1.2	17	1.3	23	1.7	20	1.4	13	0.9
<b>Total</b>	75	0.3	65	0.2	72	0.3	67	0.2	60	0.2

\* Death counts include those that were dead at diagnosis or died while receiving tuberculosis treatment

<sup>^</sup> Rates represent cases per 100,000 population

<sup>†</sup>API: Asian/Pacific Islander

<sup>‡</sup>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: Risk Factors Among TB Cases, 2015 - 2019**

Risk Factor	2015		2016		2017		2018		2019	
	Cases	Proportion	Cases	Proportion	Cases	Proportion	Cases	Proportion	Cases	Proportion
Foreign-Born*	771	58.1%	737	59.1%	691	61.8%	706	62.5%	726	62.6%
Homeless	88	6.6%	66	5.3%	42	3.8%	50	4.4%	44	3.8%
Correctional Facility Resident	153	11.5%	145	11.6%	100	8.9%	103	9.1%	113	9.7%
Alcohol Abuse	220	16.6%	188	15.1%	133	11.9%	138	12.2%	115	9.9%
Diabetes	240	18.1%	232	18.6%	220	19.7%	222	19.7%	251	21.7%
PLWH <sup>^</sup>	77	5.8%	70	5.6%	73	6.5%	78	6.9%	55	4.7%
IDU <sup>†</sup>	36	2.7%	22	1.8%	12	1.1%	22	1.9%	13	1.1%
Non-IDU <sup>‡</sup>	128	9.6%	107	8.6%	95	8.5%	97	8.6%	104	9.0%
<b>Total Cases</b>	<b>1327</b>	<b>100%</b>	<b>1247</b>	<b>100%</b>	<b>1118</b>	<b>100%</b>	<b>1129</b>	<b>100%</b>	<b>1159</b>	<b>100%</b>

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

<sup>^</sup>People Living With HIV

<sup>†</sup>Injection Drug Use

<sup>‡</sup>Non-Injection Drug Use

Note: Cases can be counted in multiple risks. Proportions represent percentage of total cases per year

**Table 6: Occupational Risk Factors Among TB Cases, 2015 - 2019**

Occupation	2015		2016		2017		2018		2019	
	Cases	Proportion	Cases	Proportion	Cases	Proportion	Cases	Proportion	Cases	Proportion
Correctional Facility Employee	1	0.1%	2	0.2%	6	0.5%	0	0.0%	2	0.2%
Health Care Worker	36	2.7%	32	2.6%	32	2.9%	31	2.7%	29	2.5%
Migrant/ Seasonal Worker	3	0.2%	3	0.2%	2	0.2%	5	0.4%	3	0.3%
Unemployed	394	29.7%	363	29.1%	298	26.7%	324	28.7%	293	25.3%
Unclassified	893	67.3%	847	67.9%	780	69.8%	769	68.1%	832	71.8%
<b>Total Cases</b>	<b>1327</b>	<b>100%</b>	<b>1247</b>	<b>100%</b>	<b>1118</b>	<b>100%</b>	<b>1129</b>	<b>100%</b>	<b>1159</b>	<b>100%</b>

Note: Proportions represent percentage of total cases per year

**Table 7: Drug Resistance Among TB Cases, 2015 - 2019**

	2015		2016		2017		2018		2019	
	Cases	Proportion	Cases	Proportion	Cases	Proportion	Cases	Proportion	Cases	Proportion
No Resistance	849	64.0%	808	64.8%	618	55.3%	744	65.9%	767	66.2%
Isoniazid Resistant <sup>#</sup>	26	2.0%	36	2.9%	19	1.7%	32	2.8%	38	3.3%
Rifampin Resistant <sup>§</sup>	0	0.0%	1	0.1%	1	0.1%	1	0.1%	0	0.0%
XDR <sup>†</sup>	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
MDR*	9	0.7%	11	0.9%	11	1.0%	8	0.7%	11	0.9%
Other/ADR <sup>‡</sup>	100	7.5%	66	5.3%	73	6.5%	77	6.8%	77	6.6%
Not Performed <sup>^</sup>	343	25.8%	325	26.1%	396	35.4%	267	23.6%	266	23.0%
<b>Total Cases</b>	<b>1327</b>	<b>100%</b>	<b>1247</b>	<b>100%</b>	<b>1118</b>	<b>100%</b>	<b>1129</b>	<b>100%</b>	<b>1159</b>	<b>100%</b>

<sup>#</sup>Isoniazid mono-resistance

<sup>§</sup>Rifampin mono-resistance

<sup>†</sup>Extensively drug resistant tuberculosis

\*Multidrug-resistant and pre-XDR tuberculosis

<sup>‡</sup>Any drug resistant tuberculosis, not including Isoniazid mono-resistance, rifampin mono-resistance, XDR, and MDR

<sup>^</sup>Represents culture negative TB cases for which a DST could not be performed and cases with no sputum specimen

# Non-US Born TB Cases in Texas

**Table 8: Non-US born versus US-born Among Texas TB Cases, 2015 - 2019**

	2015		2016		2017		2018		2019	
	Cases	Proportion	Cases	Proportion	Cases	Proportion	Cases	Proportion	Cases	Proportion
Non-US born	771	58%	737	59%	691	62%	706	63%	726	63%
US-born	556	42%	510	41%	427	38%	423	37%	433	37%
<b>Total</b>	<b>1327</b>	<b>100%</b>	<b>1247</b>	<b>100%</b>	<b>1118</b>	<b>100%</b>	<b>1129</b>	<b>100%</b>	<b>1159</b>	<b>100%</b>

Note: Proportions represent percentage of total cases per year

**Table 9: Non-US born versus US-born Among Texas TB Cases by Race/Ethnicity, 2015 - 2019**

Race/Ethnicity		2015		2016		2017		2018		2019	
		Cases	Proportion	Cases	Proportion	Cases	Proportion	Cases	Proportion	Cases	Proportion
Non-US born	White, non-Hispanic	15	1%	12	1%	13	1%	11	1%	15	1%
	Black, non-Hispanic	69	5%	66	5%	79	7%	82	7%	68	6%
	Hispanic, all races	434	33%	434	35%	389	35%	400	35%	418	36%
	API <sup>†</sup>	253	19%	224	18%	209	19%	212	19%	224	19%
	AIAN <sup>‡</sup>	0	0%	1	0%	0	0%	0	0%	0	0%
	Other	0	0%	0	0%	1	0%	1	0%	1	0%
	Unknown	0	0%	0	0%	0	0%	0	0%	0	0%
US-born	White, non-Hispanic	124	9%	93	7%	86	8%	93	8%	103	9%
	Black, non-Hispanic	179	13%	169	14%	128	11%	144	13%	123	11%
	Hispanic, all races	237	18%	234	19%	196	18%	170	15%	192	17%
	API <sup>†</sup>	14	1%	14	1%	17	2%	14	1%	15	1%
	AIAN <sup>‡</sup>	2	0%	0	0%	0	0%	1	0%	0	0%
	Other	0	0%	0	0%	0	0%	1	0%	0	0%
	Unknown	0	0%	0	0%	0	0%	0	0%	0	0%
<b>Total</b>	<b>1327</b>	<b>100%</b>	<b>1247</b>	<b>100%</b>	<b>1118</b>	<b>100%</b>	<b>1129</b>	<b>100%</b>	<b>1159</b>	<b>100%</b>	

<sup>†</sup>API: Asian/Pacific Islander

<sup>‡</sup>AIAN: American Indian/Alaska Native

Note: Proportions represent percentage of total cases per year

**Table 10: Non US-born versus US-born Among Texas TB Cases by Sex, 2015 - 2019**

Sex		2015		2016		2017		2018		2019	
		Cases	Proportion	Cases	Proportion	Cases	Proportion	Cases	Proportion	Cases	Proportion
Foreign-born	Male	487	37%	466	37%	436	39%	460	41%	461	40%
	Female	284	21%	271	22%	255	23%	246	22%	265	23%
US-born	Male	364	27%	353	28%	290	26%	290	26%	285	25%
	Female	192	14%	157	13%	137	12%	133	12%	148	13%
<b>Total</b>		<b>1327</b>	<b>100%</b>	<b>1247</b>	<b>100%</b>	<b>1118</b>	<b>100%</b>	<b>1129</b>	<b>100%</b>	<b>1159</b>	<b>100%</b>

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

Note: Proportions represent percentage of total cases per year

**Table 11: Non-US Born TB Cases by Top 10 Countries of Birth, 2015 - 2019**

Country of Birth	2015		2016		2017		2018		2019		Total
	Cases	Proportion	Cases	Proportion	Cases	Proportion	Cases	Proportion	Cases	Proportion	
Mexico	323	42%	317	43%	285	41%	287	41%	296	41%	1508
Vietnam	71	9%	67	9%	59	9%	71	10%	69	10%	337
Honduras	42	5%	40	5%	65	9%	42	6%	41	6%	230
India	40	5%	56	8%	48	7%	37	5%	39	5%	220
Philippines	23	3%	14	2%	19	3%	21	3%	35	5%	147
Guatemala	32	4%	25	3%	31	4%	28	4%	31	4%	122
El Salvador	30	4%	20	3%	20	3%	18	3%	25	3%	120
Myanmar	8	1%	14	2%	16	2%	15	2%	21	3%	94
Nigeria	10	1%	15	2%	13	2%	9	1%	15	2%	85
China	16	2%	9	1%	12	2%	13	2%	14	2%	64

Note: Proportions represent percentage of total non-US born cases per year

## TB Cases in Correctional Facilities

Table 12: TB Corrections Cases by Race/Ethnicity, Sex, and Age Group in Texas, 2015 - 2019

Race/Ethnicity	2015		2016		2017		2018		2019	
	Cases	Proportion	Cases	Proportion	Cases	Proportion	Cases	Proportion	Cases	Proportion
White, non-Hispanic	7	5%	7	5%	6	6%	7	7%	8	7%
Black, non-Hispanic	30	20%	42	29%	20	20%	26	25%	17	15%
Hispanic, all races	106	69%	91	63%	74	74%	67	65%	82	73%
API <sup>†</sup>	10	7%	5	3%	0	0%	2	2%	5	4%
AIAN <sup>‡</sup>	0	0%	0	0%	0	0%	0	0%	0	0%
Other	0	0%	0	0%	0	0%	1	1%	1	1%
Unknown	0	0%	0	0%	0	0%	0	0%	0	0%
<b>Sex at Birth*</b>										
Male	135	88%	134	92%	96	96%	85	83%	91	81%
Female	18	12%	11	8%	4	4%	18	17%	22	19%
<b>Age Group (Years)</b>										
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	1	1%	1	1%	0	0%	2	2%	3	3%
18-24	27	18%	30	21%	23	23%	22	21%	18	16%
25-34	55	36%	42	29%	28	28%	29	28%	39	35%
35-44	39	25%	29	20%	20	20%	19	18%	22	19%
45-54	17	11%	29	20%	17	17%	15	15%	13	12%
55-64	11	7%	13	9%	9	9%	11	11%	10	9%
65-74	3	2%	1	1%	3	3%	3	3%	8	7%
75+	0	0%	0	0%	0	0%	2	2%	0	0%
<b>Total</b>	<b>153</b>	<b>100%</b>	<b>145</b>	<b>100%</b>	<b>100</b>	<b>100%</b>	<b>103</b>	<b>100%</b>	<b>113</b>	<b>100%</b>

\*Transgender persons may be included in male, female, or unknown categories

<sup>†</sup>API: Asian/Pacific Islander

<sup>‡</sup>AIAN: American Indian/Alaska Native

Note: Proportions represent percentage of total cases in correctional facilities per year

Table 13: TB Corrections Cases by Correctional Facility Type, 2015 - 2019

Risk Factor	2015		2016		2017		2018		2019	
	Cases	Proportion	Cases	Proportion	Cases	Proportion	Cases	Proportion	Cases	Proportion
Federal Prison	20	13%	23	16%	20	20%	10	10%	20	18%
State Prison	28	18%	29	20%	17	17%	27	26%	25	22%
Local Jails	38	25%	46	32%	27	27%	24	23%	19	17%
ICE*	65	42%	46	32%	36	36%	39	38%	48	42%
Juvenile Detention Centers	0	0%	1	1%	0	0%	2	2%	0	0%
Missing	2	1%	0	0%	0	0%	1	1%	1	1%
<b>Total Cases</b>	<b>153</b>	<b>100%</b>	<b>145</b>	<b>100%</b>	<b>100</b>	<b>100%</b>	<b>103</b>	<b>100%</b>	<b>113</b>	<b>100%</b>

\*U.S. Immigration and Customs Enforcement

Note: Proportions represent percentage of total cases in correctional facilities per year

## TB Cases in Correctional Facilities

**Table 14: Risk Factors Among TB Corrections Cases, 2015 - 2019**

Risk Factor	2015		2016		2017		2018		2019	
	Cases	Proportion	Cases	Proportion	Cases	Proportion	Cases	Proportion	Cases	Proportion
Foreign-Born*	95	62%	89	61%	64	64%	62	60%	77	68%
Homeless	9	6%	11	8%	5	5%	6	6%	4	4%
PLWH <sup>^</sup>	6	4%	8	6%	4	4%	5	5%	6	5%
Diabetes	4	3%	10	7%	8	8%	3	3%	6	5%
Alcohol Abuse	21	14%	18	12%	11	11%	8	8%	4	4%
IDU <sup>†</sup>	10	7%	3	2%	2	2%	3	3%	1	1%
Non-IDU <sup>‡</sup>	28	18%	20	14%	16	16%	11	11%	10	9%
<b>Total Cases</b>	<b>153</b>	<b>100%</b>	<b>145</b>	<b>100%</b>	<b>100</b>	<b>100%</b>	<b>103</b>	<b>100%</b>	<b>113</b>	<b>100%</b>

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

<sup>^</sup>People Living With HIV

<sup>†</sup>Injection Drug Use

<sup>‡</sup>Non-Injection Drug Use

Note: Proportions represent percentage of total cases in correctional facilities per year. Each case may have multiple risk factors and may not add up to 100%

**Table 15: Drug Resistance Among TB Corrections Cases, 2015 - 2019**

	2015		2016		2017		2018		2019	
	Cases	Proportion	Cases	Proportion	Cases	Proportion	Cases	Proportion	Cases	Proportion
No Resistance	90	59%	88	61%	52	52%	50	49%	71	63%
Isoniazid Resistant <sup>#</sup>	2	1%	4	3%	2	2%	2	2%	2	2%
Rifampin Resistant <sup>§</sup>	0	0%	0	0%	0	0%	0	0%	0	0%
XDR <sup>†</sup>	0	0%	0	0%	0	0%	0	0%	0	0%
MDR <sup>*</sup>	1	1%	0	0%	0	0%	0	0%	1	1%
Other/ADR <sup>‡</sup>	9	6%	5	3%	8	8%	3	3%	4	4%
Not Performed <sup>^</sup>	51	33%	48	33%	38	38%	48	47%	35	31%
<b>Total Cases</b>	<b>153</b>	<b>100%</b>	<b>145</b>	<b>100%</b>	<b>100</b>	<b>100%</b>	<b>103</b>	<b>100%</b>	<b>113</b>	<b>100%</b>

<sup>#</sup>Isoniazid mono-resistance

<sup>§</sup>Rifampin mono-resistance

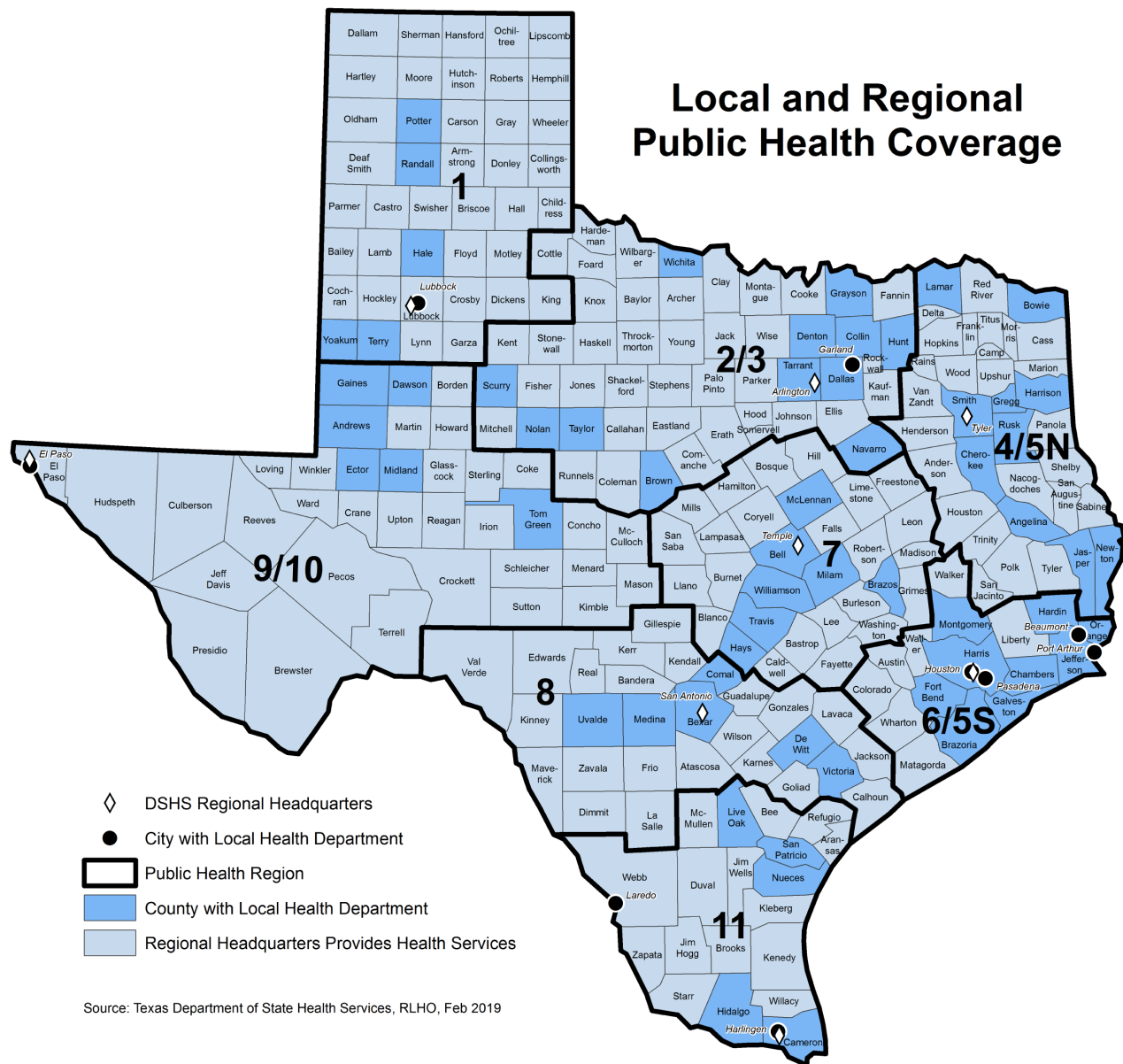
<sup>†</sup>Extensively drug resistant tuberculosis

<sup>\*</sup>Multidrug-resistant and pre-XDR tuberculosis

<sup>‡</sup>Any drug resistant tuberculosis, not including isoniazid mono-resistance, rifampin mono-resistance, XDR, and MDR

<sup>^</sup>Represents TB cases where sputum sample was not collected for drug resistance test or test was not performed

**Figure 5. TB Diagnoses by Public Health Region**

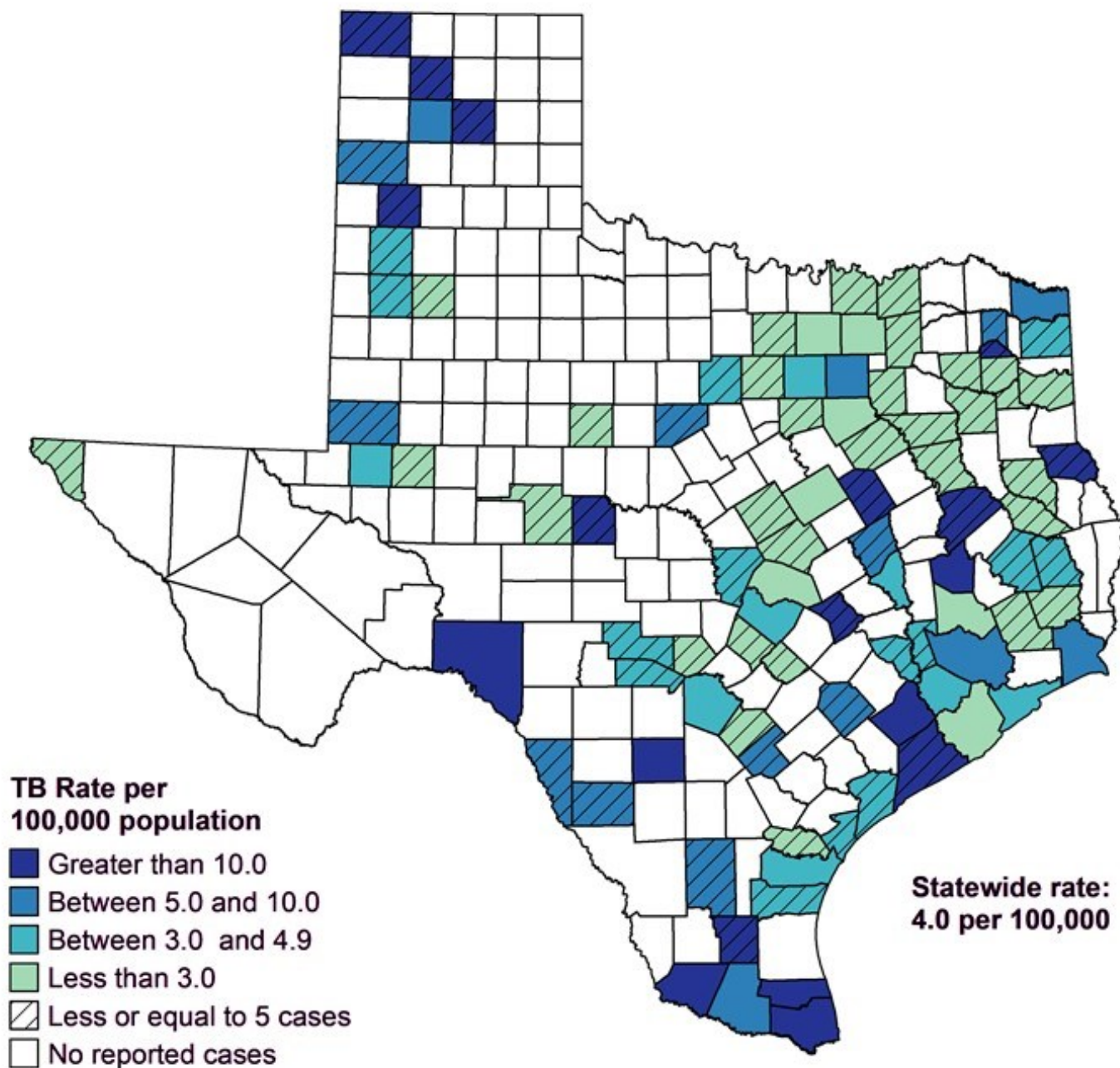


**Table 16: TB Case Count and Rate by Public Health Region, 2015-2019**

Public Health Region	2015		2016		2017		2018		2019	
	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*
PHR 1	30	3.5	22	2.5	14	1.6	31	3.6	20	2.3
PHR 2/3	331	4.2	330	4.1	305	3.7	286	3.4	268	3.1
PHR 4/5N	41	2.7	26	1.7	29	1.9	31	2	36	2.3
PHR 6/5S	397	5.5	361	4.9	355	4.8	357	4.7	365	4.8
PHR 7	98	3	90	2.7	69	2	84	2.4	86	2.4
PHR 8	127	4.4	115	4	116	3.9	107	3.6	135	4.4
PHR 9/10	57	3.8	57	3.8	47	3.1	50	3.3	38	2.5
PHR 11	218	9.8	216	9.6	166	7.4	156	6.9	186	8.2
TDCJ	28	-	29	-	17	-	27	-	25	-
<b>Total</b>	<b>1334</b>	<b>4.9</b>	<b>1250</b>	<b>4.5</b>	<b>1127</b>	<b>4.0</b>	<b>1129</b>	<b>3.9</b>	<b>1159</b>	<b>4.0</b>

\* Rates represent cases per 100,000

**Figure 6: TB Diagnosis Rate by County of Residence, 2019**



**Table 17: TB Cases and Rates by County of Residence, 2015-2019**

County	2015		2016		2017		2018		2019	
	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*
Anderson	0	0.0	1	1.7	0	0.0	2	3.4	1	1.7
Andrews	0	0.0	0	0.0	0	0.0	2	11.1	1	5.3
Angelina	2	2.3	0	0.0	0	0.0	1	1.2	2	2.3
Aransas	1	4.0	2	7.9	3	11.8	1	4.3	1	4.3
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	2	4.1	0	0.0	0	0.0	0	0.0	0	0.0
Austin	0	0.0	0	0.0	0	0.0	1	3.3	1	3.3
Bailey	0	0.0	0	0.0	2	28.3	0	0.0	0	0.0
Bandera	1	4.7	0	0.0	0	0.0	0	0.0	1	4.3
Bastrop	1	1.2	0	0.0	1	1.2	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	1	3.0	0	0.0	0	0.0	0	0.0
Bell	7	2.1	6	1.8	4	1.2	5	1.4	4	1.1
Bexar	82	4.3	65	3.4	72	3.7	69	3.5	88	4.4
Blanco	0	0.0	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	0.0
Bosque	0	0.0	0	0.0	3	16.4	0	0.0	0	0.0
Bowie	2	2.1	1	1.1	1	1.1	1	1.1	7	7.5
Brazoria	10	2.9	9	2.5	8	2.2	12	3.3	8	2.1
Brazos	6	2.8	6	2.7	1	0.4	4	1.8	8	3.5
Brewster	1	10.9	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	3	41.7	1	13.9	0	0.0	0	0.0	0	0.0
Brown	3	7.9	0	0.0	1	2.6	2	5.3	0	0.0
Burleson	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Burnet	0	0.0	0	0.0	1	2.1	0	0.0	2	4.2
Caldwell	1	2.5	1	2.4	0	0.0	0	0.0	1	2.3
Calhoun	3	13.7	2	9.1	1	4.6	2	9.3	1	4.7
Callahan	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Cameron	38	9.1	32	7.6	36	8.5	35	8.3	37	8.7
Camp	1	7.9	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	1	16.9
Cass	0	0.0	1	3.3	0	0.0	0	0.0	1	3.3
Castro	0	0.0	0	0.0	0	0.0	0	0.0	1	13.3
Chambers	0	0.0	1	2.5	1	2.4	0	0.0	0	0.0
Cherokee	0	0.0	2	3.9	0	0.0	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	1	9.8	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	25	2.7	28	3.0	23	2.4	24	2.4	28	2.7
Collingsworth	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Colorado	1	4.8	1	4.7	1	4.7	1	4.7	0	0.0
Comal	0	0.0	2	1.5	1	0.7	1	0.7	0	0.0
Comanche	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Concho	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Cooke	0	0.0	1	2.5	1	2.5	0	0.0	0	0.0
Coryell	0	0.0	1	1.3	0	0.0	0	0.0	2	2.6
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 and Rates by County of Residence, 2015-2019 (continued)**

County	2015		2016		2017		2018		2019	
	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*
Crane	0	0.0	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	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	0	0.0	2	27.4
Dallas	178	7.0	185	7.1	155	5.9	155	5.9	136	5.2
Dawson	0	0.0	1	7.7	0	0.0	0	0.0	0	0.0
Deaf Smith	0	0.0	0	0.0	2	10.7	1	5.3	1	5.4
Delta	0	0.0	0	0.0	1	19.0	0	0.0	0	0.0
Denton	18	2.3	30	3.7	22	2.6	20	2.3	15	1.7
DeWitt	0	0.0	0	0.0	2	9.9	1	5.0	0	0.0
Dickens	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Dimmit	0	0.0	1	9.4	0	0.0	1	9.8	1	9.9
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	1	9.0
Eastland	1	5.5	0	0.0	0	0.0	0	0.0	1	5.4
Ector	0	0.0	4	2.5	2	1.3	6	3.7	8	4.8
Edwards	0	0.0	1	52.4	0	0.0	0	0.0	0	0.0
Ellis	6	3.7	2	1.2	0	0.0	1	0.6	1	0.5
El Paso	34	4.1	41	4.9	34	4.1	28	3.3	22	2.6
Erath	5	12.1	1	2.4	0	0.0	0	0.0	0	0.0
Falls	1	5.8	0	0.0	1	5.8	0	0.0	0	0.0
Fannin	1	3.0	0	0.0	0	0.0	2	5.7	1	2.8
Fayette	1	4.0	1	4.0	0	0.0	1	4.0	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	27	3.8	27	3.6	37	4.8	26	3.3	37	4.6
Franklin	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Freestone	0	0.0	0	0.0	1	5.1	0	0.0	0	0.0
Frio	1	5.2	5	25.5	1	5.0	1	4.9	1	4.9
Gaines	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Galveston	6	1.9	13	4.0	7	2.1	14	4.1	11	3.2
Garza	3	46.9	0	0.0	1	15.4	0	0.0	0	0.0
Gillespie	1	3.9	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	1	13.3	0	0.0	0	0.0	0	0.0
Gonzales	0	0.0	1	4.8	0	0.0	0	0.0	0	0.0
Gray	1	4.3	0	0.0	0	0.0	2	9.1	0	0.0
Grayson	3	2.4	2	1.6	3	2.3	5	3.7	1	0.7
Gregg	12	9.7	4	3.2	3	2.4	3	2.4	1	0.8
Grimes	0	0.0	2	7.3	0	0.0	4	14.1	0	0.0
Guadalupe	2	1.3	2	1.3	3	1.9	0	0.0	0	0.0
Hale	1	2.9	0	0.0	0	0.0	0	0.0	0	0.0
Hall	0	0.0	0	0.0	1	32.9	0	0.0	0	0.0
Hamilton	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Hansford	1	17.7	0	0.0	0	0.0	1	18.3	0	0.0
Hardeman	0	0.0	0	0.0	1	25.3	0	0.0	0	0.0
Hardin	1	1.8	0	0.0	0	0.0	3	5.3	1	1.7
Harris	320	7.0	277	6.0	272	5.8	274	5.9	264	5.6
Harrison	4	6.0	1	1.5	2	3.0	4	6.0	1	1.5

\* Rates represent cases per 100,000

**Table 17: TB Cases and Rates by County of Residence, 2015-2019 (continued)**

County	2015		2016		2017		2018		2019	
	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	1	17.2	0	0.0	0	0.0	1	17.5	0	0.0
Hays	2	1.0	3	1.5	2	0.9	1	0.4	4	1.7
Hemphill	0	0.0	0	0.0	0	0.0	2	52.0	0	0.0
Henderson	4	5.0	0	0.0	5	6.2	4	4.9	2	2.4
Hidalgo	70	8.3	80	9.4	56	6.5	60	7.0	69	7.9
Hill	0	0.0	2	5.7	1	2.8	0	0.0	0	0.0
Hockley	0	0.0	0	0.0	0	0.0	0	0.0	1	4.3
Hood	1	1.8	0	0.0	1	1.7	0	0.0	0	0.0
Hopkins	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Houston	1	4.4	1	4.4	2	8.7	1	4.3	5	21.8
Howard	0	0.0	1	2.8	0	0.0	1	2.8	0	0.0
Hudspeth	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Hunt	2	2.2	4	4.4	2	2.1	3	3.1	1	1.0
Hutchinson	0	0.0	2	9.3	0	0.0	0	0.0	0	0.0
Irion	0	0.0	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	0.0
Jackson	0	0.0	0	0.0	1	6.8	1	6.7	0	0.0
Jasper	0	0.0	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	0.0
Jefferson	9	3.5	10	3.9	8	3.1	11	4.3	19	7.6
Jim Hogg	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Jim Wells	1	2.4	2	4.9	1	2.4	0	0.0	0	0.0
Johnson	2	1.3	1	0.6	4	2.4	1	0.6	5	2.8
Jones	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Karnes	0	0.0	0	0.0	0	0.0	1	6.4	1	6.4
Kaufman	7	6.1	3	2.5	1	0.8	3	2.3	2	1.5
Kendall	1	2.5	0	0.0	0	0.0	0	0.0	1	2.1
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	2	3.9	1	1.9	2	3.8
Kimble	0	0.0	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	0	0.0	0	0.0	2	53.9	0	0.0	0	0.0
Kleberg	0	0.0	2	6.4	3	9.8	0	0.0	1	3.3
Knox	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Lamar	0	0.0	2	4.0	0	0.0	0	0.0	2	4.0
Lamb	1	7.5	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	0.0
La Salle	0	0.0	2	26.3	0	0.0	0	0.0	0	0.0
Lavaca	2	10.0	0	0.0	0	0.0	0	0.0	1	5.0
Lee	1	5.9	1	5.9	1	5.8	0	0.0	3	17.4
Leon	0	0.0	1	5.8	0	0.0	2	11.6	0	0.0
Liberty	2	2.5	0	0.0	1	1.2	3	3.5	1	1.1
Limestone	1	4.3	0	0.0	0	0.0	0	0.0	2	8.5
Lipscomb	0	0.0	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	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	8	2.7	7	2.3	3	1.0	7	2.3	4	1.3
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 and Rates by County of Residence, 2015-2019 (continued)**

County	2015		2016		2017		2018		2019	
	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	3	1.2	2	0.8	5	2.0	7	2.8	7	2.7
McMullen	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Madison	0	0.0	1	7.1	0	0.0	0	0.0	0	0.0
Marion	0	0.0	0	0.0	0	0.0	1	10.1	0	0.0
Martin	0	0.0	0	0.0	1	18.1	0	0.0	0	0.0
Mason	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Matagorda	3	8.2	0	0.0	2	5.4	2	5.5	5	13.6
Maverick	6	10.4	7	12.1	7	12.0	4	6.9	4	6.8
Medina	0	0.0	1	2.0	2	4.0	0	0.0	0	0.0
Menard	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Midland	10	6.2	2	1.2	2	1.2	6	3.5	3	1.7
Milam	0	0.0	1	4.1	2	8.0	2	8.0	0	0.0
Mills	0	0.0	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	0.0
Montague	0	0.0	0	0.0	0	0.0	1	5.1	0	0.0
Montgomery	9	1.7	13	2.3	12	2.1	5	0.8	11	1.8
Moore	4	18.4	7	32.3	1	4.6	4	19.0	3	14.3
Morris	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Motley	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Nacogdoches	2	3.1	2	3.1	2	3.1	2	3.1	1	1.5
Navarro	2	4.2	0	0.0	1	2.1	2	4.0	1	2.0
Newton	0	0.0	0	0.0	1	7.2	0	0.0	0	0.0
Nolan	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Nueces	7	1.9	11	3.0	12	3.3	12	3.3	10	2.8
Ochiltree	1	9.3	1	9.7	0	0.0	0	0.0	0	0.0
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	0	0.0	0	0.0
Palo Pinto	1	3.6	1	3.6	1	3.5	3	10.4	1	3.4
Panola	1	4.2	0	0.0	0	0.0	1	4.3	0	0.0
Parker	2	1.6	2	1.6	2	1.5	0	0.0	1	0.7
Parmer	0	0.0	0	0.0	0	0.0	7	72.0	0	0.0
Pecos	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Polk	3	6.4	0	0.0	1	2.0	1	2.0	1	1.9
Potter	5	4.1	5	4.1	1	0.8	3	2.5	7	6.0
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	1.5	0	0.0	3	2.2	2	1.5	0	0.0
Reagan	0	0.0	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	0.0
Red River	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Reeves	0	0.0	1	6.6	1	6.6	0	0.0	0	0.0
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	1	6.0	0	0.0	0	0.0	0	0.0	1	5.9
Rockwall	1	1.1	2	2.1	1	1.0	0	0.0	0	0.0
Runnels	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Rusk	3	5.7	1	1.9	3	5.5	2	3.7	0	0.0
Sabine	0	0.0	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	0.0
San Jacinto	1	3.7	0	0.0	2	7.1	0	0.0	0	0.0

\* Rates represent cases per 100,000

**Table 17: TB Cases and Rates by County of Residence, 2015-2019 (continued)**

County	2015		2016		2017		2018		2019	
	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*
San Patricio	5	7.4	4	5.9	0	0.0	1	1.5	1	1.5
San Saba	0	0.0	1	16.9	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	1	5.9	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	4	15.6	1	4.0	1	4.0	4	15.8
Sherman	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Smith	1	0.4	2	0.9	5	2.2	5	2.2	2	0.9
Somervell	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Starr	5	7.9	13	20.3	8	12.5	5	7.8	7	10.8
Stephens	1	10.7	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	67	3.4	62	3.1	77	3.7	63	3.0	71	3.4
Taylor	3	2.2	2	1.5	1	0.7	0	0.0	1	0.7
Terrell	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Terry	0	0.0	0	0.0	0	0.0	2	16.2	0	0.0
Throckmorton	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Titus	0	0.0	1	3.1	0	0.0	0	0.0	2	6.1
Tom Green	2	1.7	1	0.9	1	0.9	2	1.7	3	2.5
Travis	58	4.9	52	4.3	35	2.9	44	3.5	44	3.5
Trinity	0	0.0	1	6.9	0	0.0	0	0.0	0	0.0
Tyler	0	0.0	0	0.0	0	0.0	0	0.0	1	4.6
Upshur	0	0.0	0	0.0	0	0.0	0	0.0	1	2.4
Upton	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Uvalde	1	3.7	0	0.0	0	0.0	0	0.0	0	0.0
Val Verde	7	14.3	6	12.3	7	14.3	6	12.2	7	14.3
Van Zandt	2	3.7	0	0.0	0	0.0	1	1.8	0	0.0
Victoria	1	1.1	3	3.2	0	0.0	0	0.0	0	0.0
Walker	0	0.0	0	0.0	0	0.0	0	0.0	2	2.7
Waller	2	4.1	1	2.0	0	0.0	0	0.0	2	3.6
Ward	2	17.2	1	8.6	1	8.8	0	0.0	0	0.0
Washington	1	2.9	0	0.0	1	2.9	2	5.6	0	0.0
Webb	45	16.7	36	13.2	26	9.5	25	9.1	30	10.8
Wharton	1	2.4	0	0.0	1	2.4	2	4.8	0	0.0
Wheeler	2	35.3	0	0.0	0	0.0	0	0.0	0	0.0
Wichita	1	0.8	2	1.5	3	2.3	0	0.0	0	0.0
Wilbarger	0	0.0	1	7.8	0	0.0	0	0.0	0	0.0
Willacy	1	4.6	0	0.0	1	4.6	0	0.0	2	9.4
Williamson	14	2.8	9	1.7	10	1.8	8	1.4	6	1.0
Wilson	0	0.0	0	0.0	1	2.0	1	2.0	1	2.0
Winkler	1	12.5	0	0.0	0	0.0	0	0.0	0	0.0
Wise	0	0.0	0	0.0	1	1.5	0	0.0	2	2.9
Wood	0	0.0	2	4.6	0	0.0	1	2.2	1	2.2
Yoakum	1	11.6	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	0.0
Zapata	3	20.7	3	20.8	0	0.0	0	0.0	0	0.0
Zavala	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
ICE <sup>†</sup>	68	-	59	-	46	-	46	-	60	-
TDCJ <sup>‡</sup>	28	-	29	-	17	-	27	-	25	-
<b>Texas</b>	<b>1334</b>	<b>4.9</b>	<b>1250</b>	<b>4.5</b>	<b>1127</b>	<b>4.0</b>	<b>1129</b>	<b>3.9</b>	<b>1159</b>	<b>4.0</b>

<sup>†</sup>ICE: US Immigration and Customs Enforcement

<sup>‡</sup>TDCJ: Texas Department of Criminal Justice

\* Rates represent cases per 100,000