TB/HIV/STD Epidemiology and Surveillance Branch

2016 Annual Report

Texas STD Surveillance Report

TEXAS Health and Human Services

Texas Department of State Health Services

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

Texas Department of State Health Services
TB/HIV/STD Epidemiology and Surveillance Branch, MC 1873
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Important Notes on the Data:

This report describes cases reported to the Texas Department of State Health Services Surveillance Program from January 1 to December 31, 2016, as well as historical data. The 2016 Texas STD Surveillance Report presents data by date of diagnosis, not date of report, as in previous surveillance reports. Therefore, cases and case rates from 2005-2012 may differ slightly from those in STD Surveillance Reports that were published after 2012.

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 2011-2016 data are from the National Center for Health Statistics [Vintage 2016 postcensal estimates of the resident population of the United States April 1, 2010, July 1, 2010-July 1, 2016, by year, county, single-year of age (0, 1, 2, .., 85 years and over), bridged race, Hispanic origin, and sex].

The number of Persons Living with HIV was obtained from Texas' enhanced HIV/AIDS Reporting System.

Population denominators used to calculate rates of HIV/AIDS among Men who have sex with Men (MSM) in the 2016 HIV Surveillance report were estimated through a previously published methodology. For more details, see:

> **Estimating the number of men who have sex with men by race/ethnicity at the county level in Texas.** Campagna J, Poe J, Robbins A, Rowlinson E, J Urban Health 2015 Feb; 92 (1):168-81.

MSM denominator estimates for this year's report were recalculated using updated data sources and rates may have changed. For more information, please contact TBHIVSTDdata@dshs.texas.gov.

Data on gender identity is not standardized in the Texas STD 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 highly impacted population so that data on transgender people can be included in future reports.

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Definitions

Chlamydia, gonorrhea, and syphilis infection are defined by the Centers for Disease Control and Prevention of the United States Public Health Service. The publication designating the most current definition may be found at:

http://www.cdc.gov/mmwr/preview/mmwrhtml/00047449.htm

P&S Syphilis is occasionally used as an abbreviation for Primary and Secondary Syphilis in this report.

Reporting Rules

The rules and regulations for reporting sexually transmitted diseases 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:

www.dshs.texas.gov/hivstd/reporting/

The *Texas STD Surveillance Report* can be obtained at:

www.dshs.texas.gov/hivstd/reports/

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

CHLAMYDIA: Brief Overview and Quick Facts

Description and Background*

Chlamydia is a sexually transmitted disease (STD) caused by infection with Chlamydia trachomatis. It can cause cervicitis and urethritis in women and urethritis and proctitis in men. Chlamydial infections in women can lead to serious consequences including pelvic inflammatory disease, tubal factor infertility, ectopic pregnancy, and chronic pelvic pain.

Chlamydia is the most frequently reported bacterial sexually transmitted infection in the United States. In 2015, 1,526,658 cases of chlamydia were reported to the Centers for Disease Control and Prevention (CDC) from 50 states and the District of Columbia. A large number of cases are not reported because most people with chlamydia are asymptomatic and do not seek testing.

Impact and Risk*

Chlamydia is common among young people. Nearly two-thirds of new chlamydia infections in the U.S. occur in young persons age 15-24 years of age. It is estimated that 1 in 20 sexually active females aged 14-24 years has chlamydia*.

Substantial racial/ethnic disparities in infection exist nationally, with prevalence among non-Hispanic blacks 5.9 times the prevalence among non-Hispanic whites. Men who have sex with men (MSM) are also at risk for chlamydial infection since chlamydia can be transmitted by oral or anal sex. Among MSM screened for rectal chlamydia infection, positivity has ranged from 3.0% to 10.5%. Among MSM screened for pharyngeal chlamydia infection, positivity has ranged from 0.5% to 2.3%*.

Chlamydia Screening and Treatment*

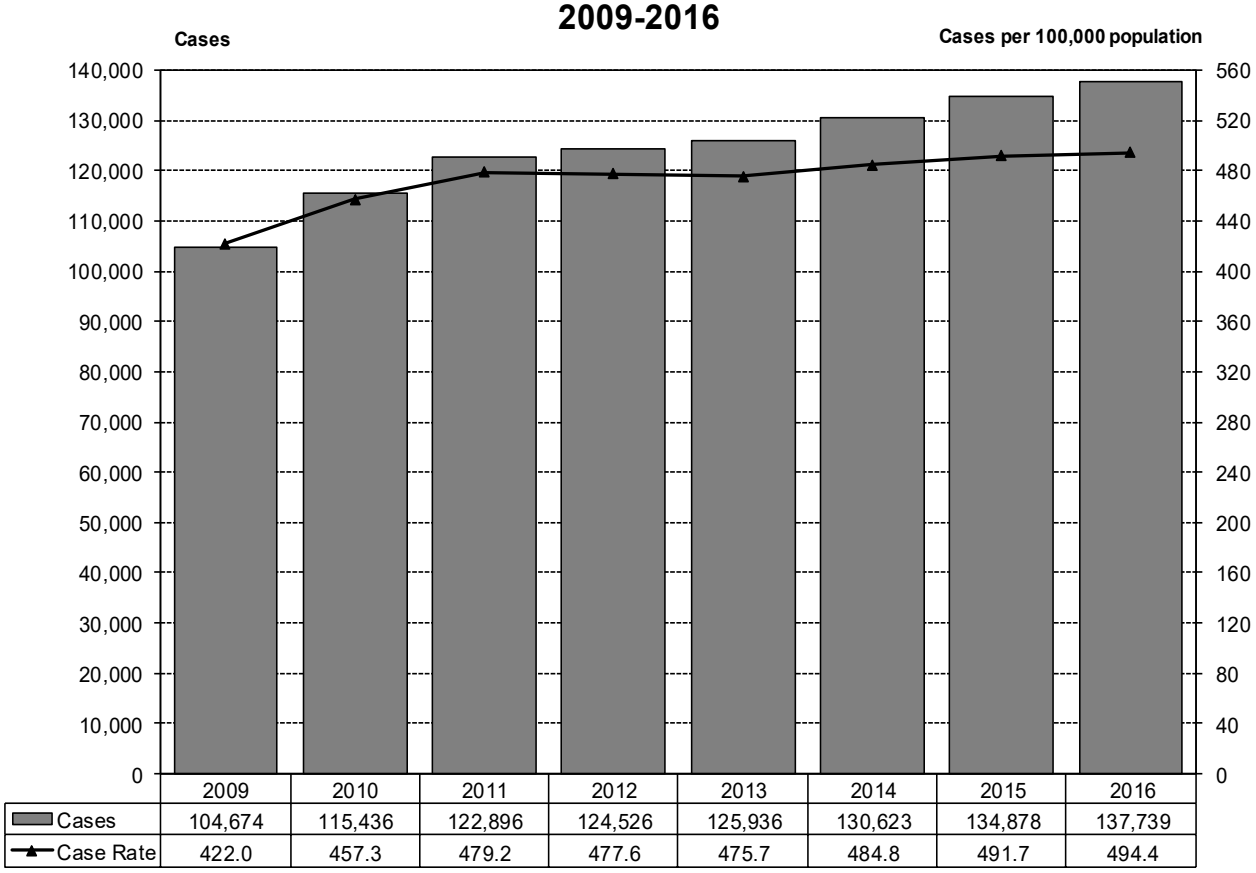
Because chlamydia is usually asymptomatic, screening is necessary to identify most infections. CDC recommends yearly chlamydia screening of all sexually active women age 25 or younger and older women with risk factors for infection (e.g., women who have a new or more than one sex partner). Pregnant women should be screened at their first prenatal care visit. Pregnant women under 25 or at increased risk for chlamydia (e.g., women who have a new or more than one sex partner) should be screened again in their third trimester. Routine screening is not recommended for men. Screening of sexually active young men should be considered in clinical settings with a high prevalence of chlamydia (e.g., correctional facilities and STD clinics) when resources permit and do not hinder screening efforts in women. MSM who have receptive anal sex should be screened each year. Chlamydia can be easily cured with antibiotics. Latex male condoms, used consistently and correctly, can reduce the risk of getting or giving chlamydia. The surest way to avoid chlamydia is to abstain from vaginal, anal, and oral sex, or to be in a long-term mutually monogamous relationship with a partner who has been tested and is known to be uninfected.

2016 State of Texas Chlamydia Quick Facts

Number of reported Chlamydia cases:	137,739
Chlamydia rate per 100,000 Texas residents:	494.4
Percent change in Chlamydia rate from 2015:	+0.5%

***Source: Centers for Disease Control and Prevention-Chlamydia CDC Fact Sheet (Detailed Version), 2016.**

Texas Chlamydia Cases and Case Rates by Year of Diagnosis, 2009-2016



	2009	2010	2011	2012	2013	2014	2015	2016
Cases	104,674	115,436	122,896	124,526	125,936	130,623	134,878	137,739
Case Rate	422.0	457.3	479.2	477.6	475.7	484.8	491.7	494.4

Chlamydia Cases and Rates by Sex, Race/Ethnicity and Age Group, 2009-2016

	2009		2010		2011		2012		2013		2014		2015		2016	
	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*
Sex																
Male	23,085	187.7	26,328	210.3	29,162	229.2	29,976	231.7	31,275	238.1	33,916	253.6	37,144	272.8	39,715	287.1
Female	81,554	652.4	89,069	700.1	93,712	725.1	94,478	719.2	93,808	703.4	96,536	711.3	97,289	704.3	97,695	696.3
Unknown	35		39		22		72		853		171		445		329	
Race																
White	21,542	186.4	24,821	213.7	27,407	234.4	28,697	243.5	30,917	261.0	28,937	242.2	28,658	238.0	28,306	234.0
Black	31,884	1,090.3	34,812	1,167.3	35,540	1,169.8	34,591	1,114.3	32,387	1,022.1	31,474	971.2	30,182	909.7	30,827	908.0
Hispanic	43,605	471.9	47,742	501.6	50,658	520.1	48,772	490.0	48,561	477.5	47,808	459.6	45,451	426.8	45,079	414.3
Other	2,821	260.9	3,125	277.2	3,388	288.0	3,158	256.6	3,433	266.7	3,098	229.0	3,582	251.6	3,027	203.3
Unknown	4,822		4,936		5,903		9,308		10,638		19,306		27,005		30,500	
Age Group																
0 - 9	86	2.3	111	2.9	79	2.0	137	3.5	125	3.2	102	2.6	118	2.9	71	1.7
10 - 14	1,271	68.7	1,293	68.5	1,394	72.7	1,366	70.4	1,148	58.4	1,147	57.6	1,019	50.7	929	45.8
15 - 19	36,696	1957.56998	39,011	2,071.1	40,314	2,143.6	38,487	2,046.5	36,158	1,913.2	35,749	1,873.1	36,230	1,866.9	37,553	1,905.7
20 - 24	38,042	2115.96244	43,000	2,352.0	46,419	2,474.9	47,568	2,464.8	48,998	2,488.7	50,441	2,521.5	51,587	2,563.6	51,497	2,568.2
25 - 29	16,297	884.9	17,869	961.4	19,278	1,025.4	20,190	1,062.4	21,207	1,103.6	22,705	1,154.6	24,163	1,196.7	24,927	1,204.3
30 - 34	6,563	380.6	7,758	437.8	8,250	453.5	8,916	477.4	9,657	504.1	10,526	537.7	11,139	560.2	11,218	556.5
35 - 39	3,004	170.4	3,345	189.8	3,628	207.4	3,878	220.9	4,302	242.7	4,900	271.2	5,132	276.1	5,500	287.5
40 - 44	1,421	84.7	1,563	91.7	1,801	103.1	1,993	111.6	2,231	123.5	2,501	137.4	2,704	148.4	2,720	150.0
45+	1,252	14.8	1,382	15.9	1,686	19.0	1,922	21.1	2,073	22.3	2,500	26.3	2,716	27.8	3,214	32.2
Unknown	42		104		47		69		37		52		70		110	
Total	104,674	422.0	115,436	457.3	122,896	479.2	124,526	477.6	125,936	475.7	130,623	484.8	134,878	491.7	137,739	494.4

*Rates represent cases per 100,000 population.

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

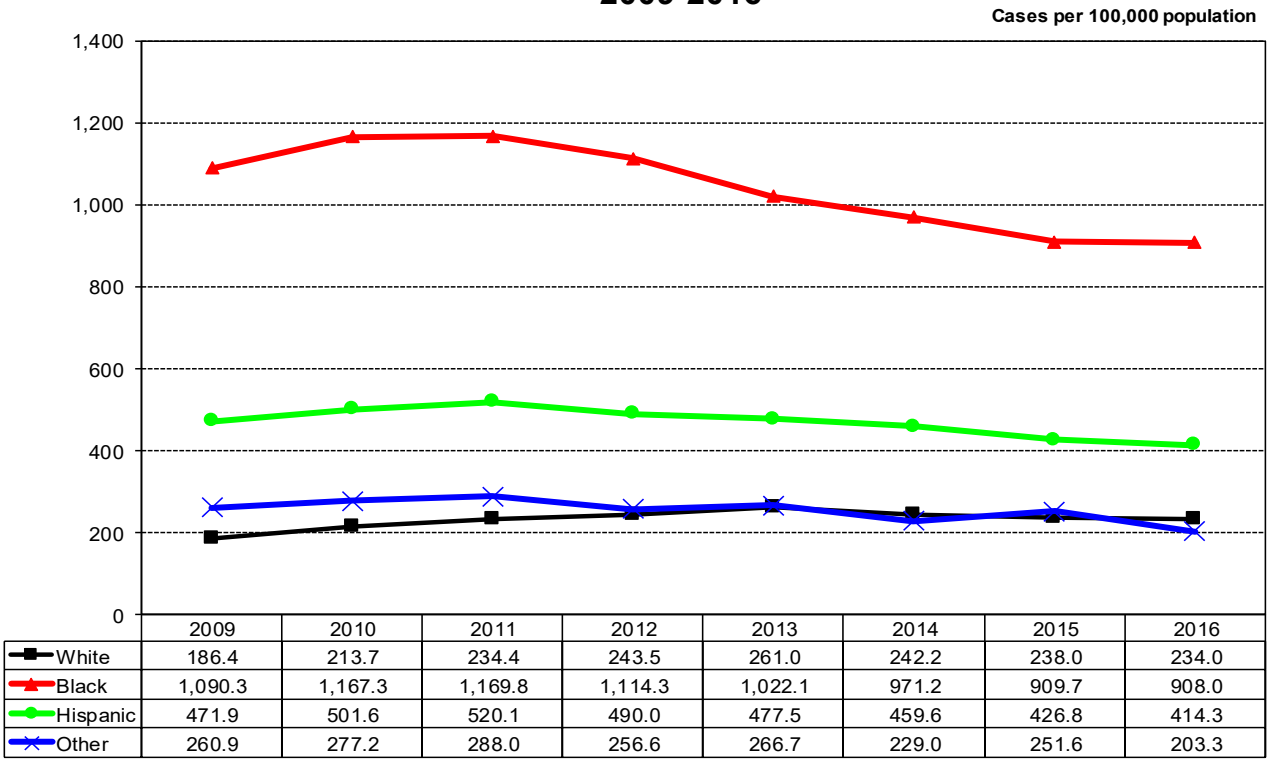
Chlamydia Cases by Age Group, Race/Ethnicity and Sex, 2016

Age Group	Male						Female						Unk Sex	Total	Percent
	White	Black	Hisp.	Other	Unk	Total	White	Black	Hisp.	Other	Unk	Total			
0 - 9	1	4	7	0	8	20	10	8	21	1	11	51	0	71	0.1%
10 - 14	6	44	44	4	36	134	95	193	302	12	187	789	6	929	0.7%
15 - 19	1,204	2,139	2,147	123	2,015	7,628	5,971	6,751	9,998	572	6,526	29,818	107	37,553	27.3%
20 - 24	3,127	3,797	3,667	294	3,177	14,062	8,161	8,126	12,849	778	7,427	37,341	94	51,497	37.4%
25 - 29	1,894	2,068	2,349	239	1,991	8,541	3,198	3,398	5,939	398	3,407	16,340	46	24,927	18.1%
30 - 34	942	1,039	1,215	105	1,008	4,309	1,301	1,194	2,674	168	1,553	6,890	19	11,218	8.1%
35 - 39	478	504	606	50	523	2,161	530	495	1,397	90	815	3,327	12	5,500	4.0%
40 - 44	290	280	272	36	286	1,164	272	204	651	42	380	1,549	7	2,720	2.0%
45+	527	348	333	52	423	1,683	282	216	582	56	387	1,523	8	3,214	2.3%
Unk	0	3	0	0	10	13	5	4	9	1	48	67	30	110	0.1%
Total	8,469	10,226	10,640	903	9,477	39,715	19,825	20,589	34,422	2,118	20,741	97,695	329	137,739	
Percent	21.3%	25.7%	26.8%	2.3%	23.9%		20.3%	21.1%	35.2%	2.2%	21.2%				
				Percent Male		28.9%				Percent Female		71.1%			

Total White	28,294	20.5%
Total Black	30,815	22.4%
Total Hispanic	45,062	32.7%
Total Other	3,021	2.2%
Total Unknown	30,547	22.2%
Total	**137,739**	

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

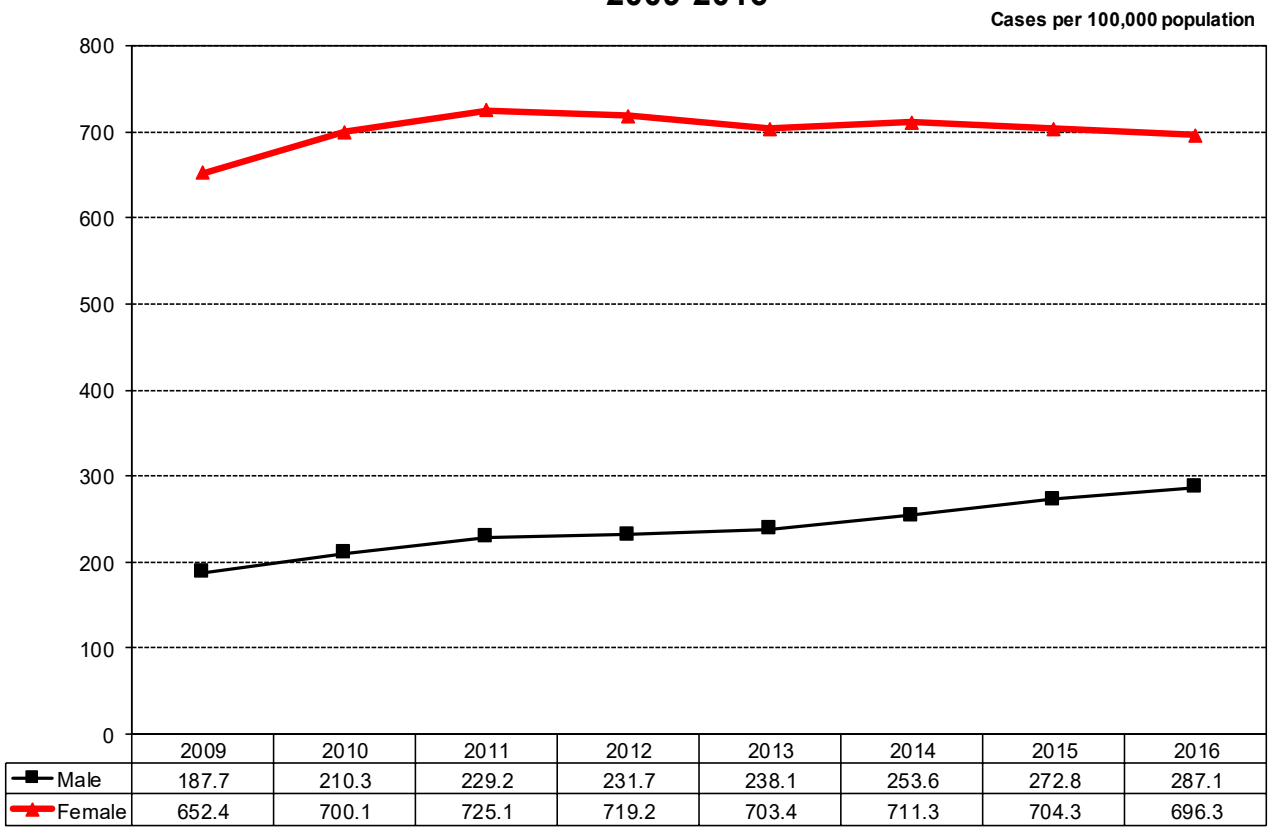
Texas Chlamydia Case Rates by Race and Year of Diagnosis, 2009-2016



	2009	2010	2011	2012	2013	2014	2015	2016
White	186.4	213.7	234.4	243.5	261.0	242.2	238.0	234.0
Black	1,090.3	1,167.3	1,169.8	1,114.3	1,022.1	971.2	909.7	908.0
Hispanic	471.9	501.6	520.1	490.0	477.5	459.6	426.8	414.3
Other	260.9	277.2	288.0	256.6	266.7	229.0	251.6	203.3

* Note: The proportion of chlamydia diagnoses with no reported race/ethnicity indicated increased from 8% in 2013 to 22% in 2016. Decreases in the chlamydia rate by race may not accurately reflect the actual change in race-specific case rates from 2013-2016.

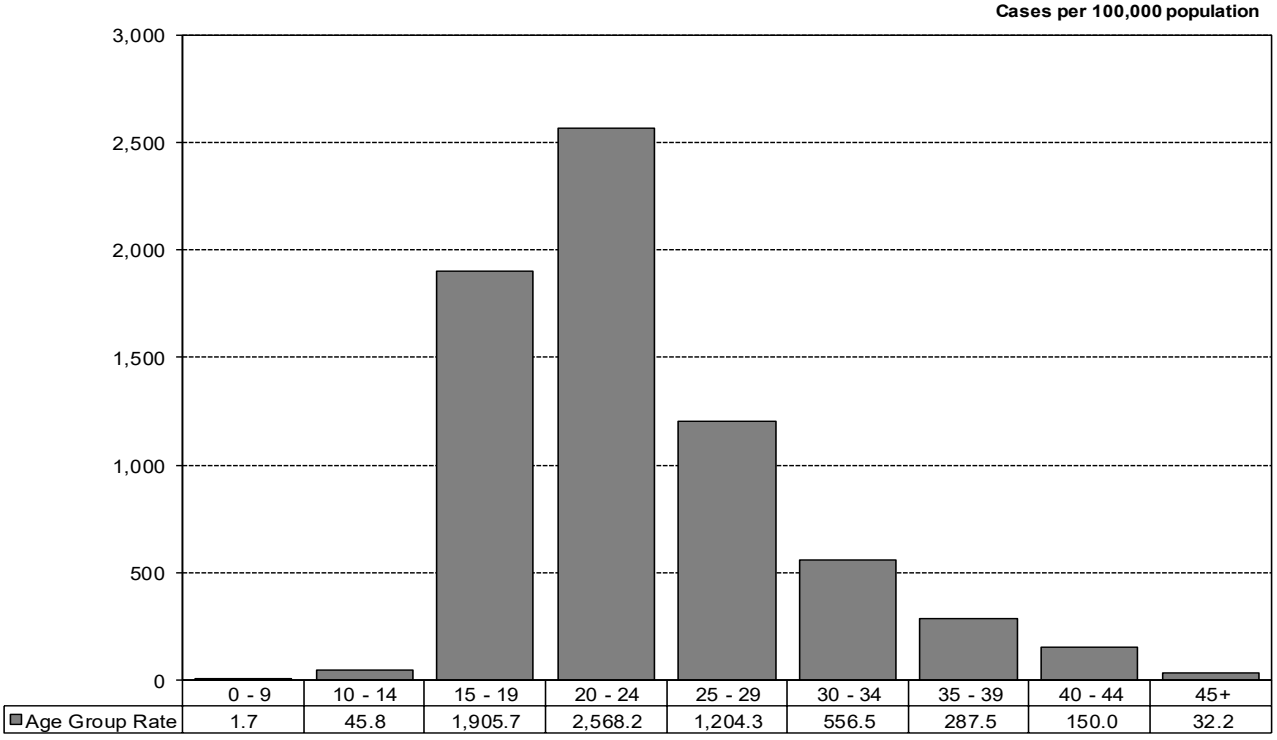
Texas Chlamydia Case Rates by Sex and Year of Diagnosis, 2009-2016



	2009	2010	2011	2012	2013	2014	2015	2016
Male	187.7	210.3	229.2	231.7	238.1	253.6	272.8	287.1
Female	652.4	700.1	725.1	719.2	703.4	711.3	704.3	696.3

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

Texas Chlamydia Case Rates by Age Group and Year of Diagosis 2016



	0 - 9	10 - 14	15 - 19	20 - 24	25 - 29	30 - 34	35 - 39	40 - 44	45+
Age Group Rate	1.7	45.8	1,905.7	2,568.2	1,204.3	556.5	287.5	150.0	32.2

GONORRHEA: Brief Overview and Quick Facts

Description and Background*

Gonorrhea is a sexually transmitted disease (STD) caused by infection with the Neisseria gonorrhoeae bacterium. N. gonorrhoeae infects the mucous membranes of the reproductive tract: the cervix, uterus, and fallopian tubes in women, and the urethra in women and men.
N. gonorrhoeae can also infect mucous membranes of the mouth, throat, eyes, and anus.

Gonorrhea is a very common infectious disease. The Centers for Disease Control and Prevention (CDC) estimates that, annually, 820,000 people in the United States get new gonorrheal infections, and less than half of these infections are detected and reported to CDC*. CDC estimates that 570,000 of them were among young people 15-24 years of age*. In 2015, 395,216 cases of gonorrhea were reported to CDC.

Impact and Risk*

Any sexually active person can be infected with gonorrhea. In the United States, the highest reported rates of infection are among sexually active teenagers, young adults, and African Americans.
Among MSM screened for gonorrhea infection at 12 STD surveillance sites across the United States, positivity ranged from 10.9% to 22.7% (median 19.0%).**

Gonorrhea Screening and Treatment*

Individuals with genital symptoms such as discharge, burning during urination, unusual sores, or rash should stop having sex and see a health care provider immediately. Also, anyone with an oral, anal, or vaginal sex partner recently diagnosed with an STD should see a health care provider for evaluation. Anyone who is sexually active should discuss his/her risk factors with a health care provider and ask whether he/she should be tested for gonorrhea or other STDs.

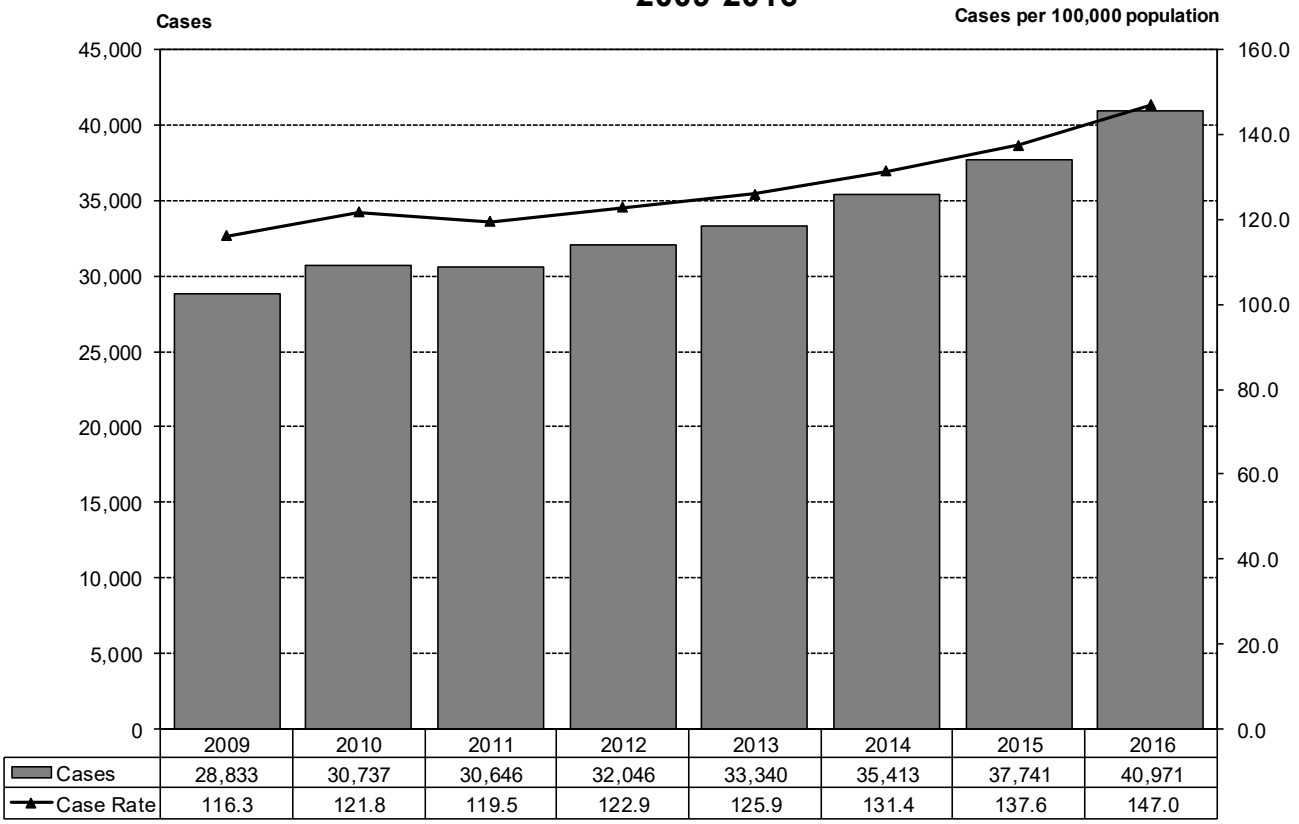
CDC now recommends dual therapy (using two drugs) for treating gonorrhea. It is important to take all the medication prescribed to cure gonorrhea. Although medication will stop the infection, it will not repair any permanent damage done by the disease. Antimicrobial resistance is of increasing concern and successful treatment is becoming more difficult. If a person's symptoms continue for more than a few days after receiving treatment, he/she should return to a health care provider to be reevaluated. Latex condoms, when used consistently and correctly, can reduce the risk of transmission of gonorrhea. The surest way to avoid transmission of gonorrhea or other STDs is to abstain from sexual intercourse, or to be in a long-term mutually monogamous relationship with a partner who has been tested and is known to be uninfected.

2016 State of Texas Gonorrhea Quick Facts

Number of reported gonorrhea cases:	40,971
Gonorrhea rate per 100,000 Texas residents:	147.0
Percent change in gonorrhea rate from 2015:	+6.8%

***Source: Centers for Disease Control and Prevention-Gonorrhea CDC Fact Sheet (Detailed Version), October 2016.**
****Source: Centers for Disease Control and Prevention—STDs in Men who have Sex with Men, October 2016**

Texas Gonorrhea Cases and Case Rates by Year of Diagnosis, 2009-2016



	2009	2010	2011	2012	2013	2014	2015	2016
Cases	28,833	30,737	30,646	32,046	33,340	35,413	37,741	40,971
Case Rate	116.3	121.8	119.5	122.9	125.9	131.4	137.6	147.0

Gonorrhea Cases and Rates by Sex, Race/Ethnicity and Age Group, 2009-2016

	2009		2010		2011		2012		2013		2014		2015		2016	
County	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*
Sex																
Male	13,102	106.5	14,056	112.3	14,366	112.9	15,039	116.3	16,224	123.5	18,058	135.0	20,765	152.5	22,940	165.9
Female	15,727	125.8	16,666	131.0	16,273	125.9	16,998	129.4	16,937	127.0	17,322	127.6	16,897	122.3	17,962	128.0
Unknown	4		15		7		9		179		33		79		69	
Race																
White	4,767	41.3	5,537	47.7	5,541	47.4	6,337	53.8	7,419	62.6	7,619	63.8	8,257	68.6	9,003	74.4
Black	15,031	514.0	15,545	521.2	14,208	467.6	14,162	456.2	13,742	433.7	13,894	428.7	13,451	405.4	14,320	421.8
Hispanic	7,367	79.7	7,954	83.6	8,943	91.8	9,148	91.9	9,434	92.8	9,382	90.2	9,474	89.0	9,857	90.6
Other	656	60.7	700	62.1	819	69.6	839	68.2	819	63.6	799	59.1	990	69.5	884	59.4
Unknown	1,012		1,001		1,135		1,560		1,926		3,719		5,569		6,907	
Age Group																
0 - 9	24	0.6	36	0.9	17	0.4	36	0.9	27	0.7	20	0.5	25	0.6	31	0.8
10 - 14	326	17.6	324	17.2	345	18.0	347	17.9	273	13.9	303	15.2	270	13.4	231	11.4
15 - 19	8,991	479.6	9,292	493.3	9,026	479.9	8,970	477.0	8,211	434.5	8,114	425.1	8,133	419.1	8,511	431.9
20 - 24	9,745	542.0	10,736	587.2	10,765	574.0	11,248	582.8	11,796	599.1	11,961	597.9	12,509	621.6	13,132	654.9
25 - 29	4,665	253.3	5,012	269.6	5,012	266.6	5,355	281.8	6,016	313.1	6,844	348.0	7,483	370.6	8,459	408.7
30 - 34	2,197	127.4	2,365	133.5	2,358	129.6	2,800	149.9	3,166	165.3	3,558	181.8	4,001	201.2	4,515	224.0
35 - 39	1,209	68.6	1,204	68.3	1,218	69.6	1,296	73.8	1,611	90.9	1,890	104.6	2,106	113.3	2,576	134.7
40 - 44	716	42.7	747	43.8	814	46.6	860	48.2	950	52.6	1,146	63.0	1,208	66.3	1,326	73.1
45+	946	11.2	991	11.4	1,077	12.1	1,117	12.3	1,273	13.7	1,564	16.4	1,987	20.4	2,168	21.7
Unknown	14		30		14		17		17		13		19		22	
Total	28,833	116.3	30,737	121.8	30,646	119.5	32,046	122.9	33,340	125.9	35,413	131.4	37,741	137.6	40,971	147.0

* Rates represent cases per 100,000 population.

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

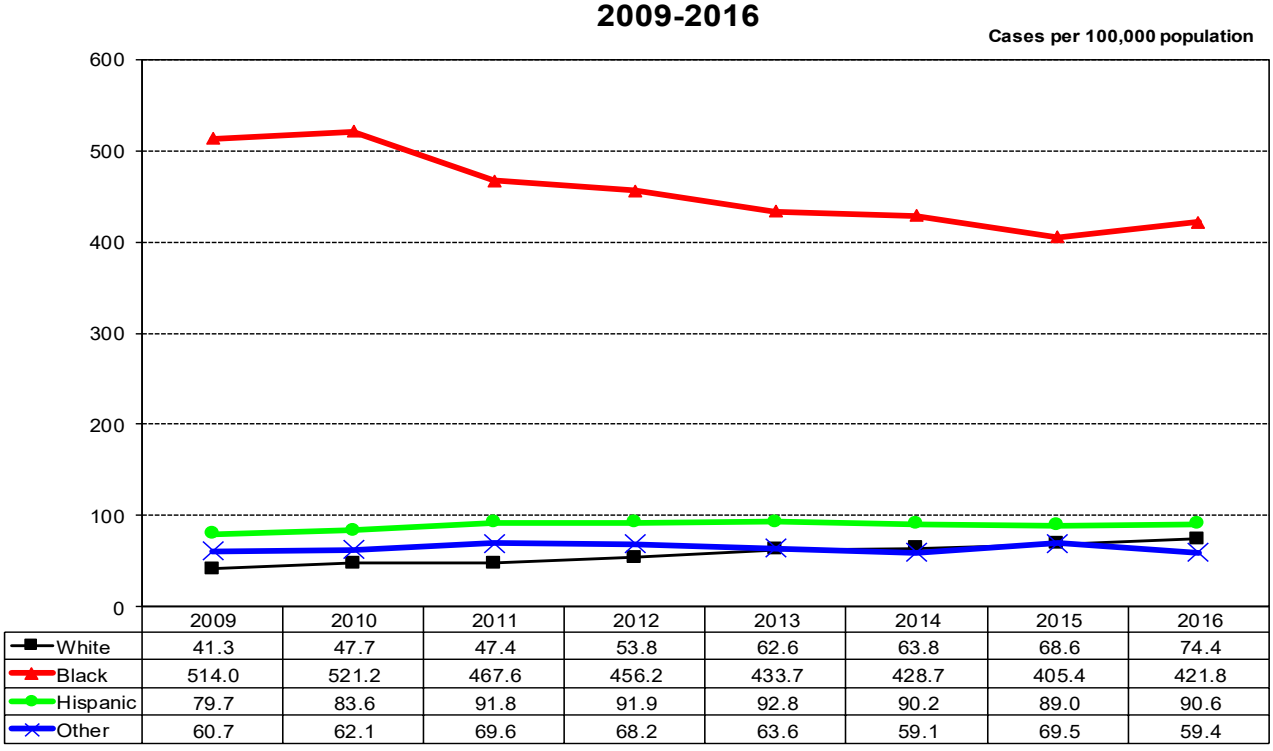
Gonorrhea Cases by Age Group, Race/Ethnicity and Sex, 2016

Age Group	Male						Female						Unk Sex	Total	Percent
	White	Black	Hisp.	Other	Unk	Total	White	Black	Hisp.	Other	Unk	Total			
0 - 9	1	4	4	0	3	12	6	5	6	0	1	18	1	31	0.1%
10 - 14	4	20	14	2	15	55	18	56	50	5	44	173	3	231	0.6%
15 - 19	421	1,297	741	71	788	3,318	860	1,970	1,273	116	959	5,178	15	8,511	20.8%
20 - 24	1,327	2,635	1,685	157	1,169	6,973	1,291	2,318	1,555	127	854	6,145	14	13,132	32.1%
25 - 29	1,175	1,868	1,263	139	788	5,233	828	1,041	827	67	448	3,211	15	8,459	20.6%
30 - 34	755	1,007	720	49	430	2,961	466	381	427	29	242	1,545	9	4,515	11.0%
35 - 39	480	537	395	27	275	1,714	265	204	250	13	128	860	2	2,576	6.3%
40 - 44	267	280	177	32	182	938	120	78	106	6	76	386	2	1,326	3.2%
45+	565	530	256	33	341	1,725	150	81	106	7	95	439	4	2,168	5.3%
Unk	0	3	0	0	8	11	0	2	1	0	4	7	4	22	0.1%
Total	4,995	8,181	5,255	510	3,999	22,940	4,004	6,136	4,601	370	2,851	17,962	69	40,971	
Percent	12.6%	20.6%	13.2%	1.3%	10.1%		10.1%	15.5%	11.6%	0.9%	7.2%				
				Percent Male		56.1%				Percent Female		43.9%			

Total White	8,999	22.0%
Total Black	14,317	35.0%
Total Hispanic	9,856	24.1%
Total Other	880	2.2%
Total Unknown	6,850	16.7%
Total	**40,902**	

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

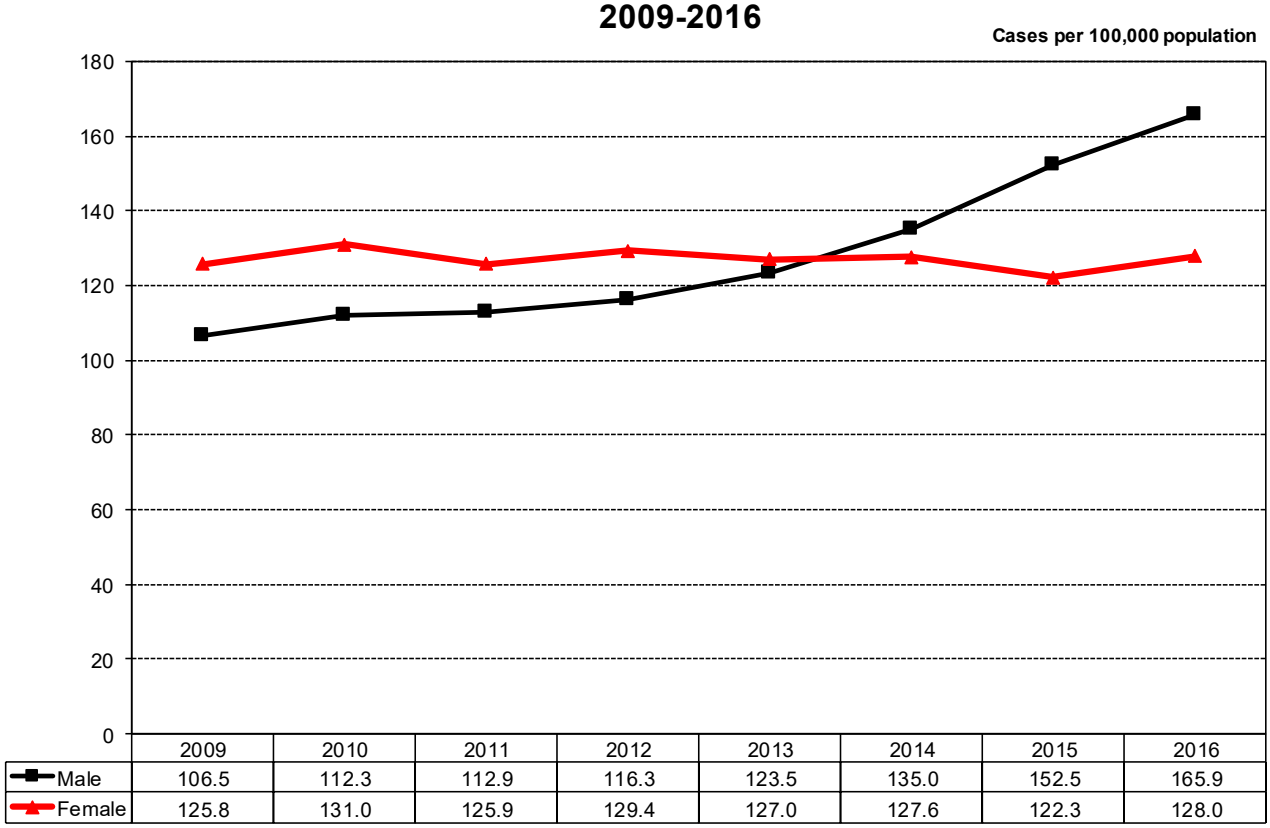
Texas Gonorrhea Case Rates by Race and Year of Diagnosis, 2009-2016



	2009	2010	2011	2012	2013	2014	2015	2016
White	41.3	47.7	47.4	53.8	62.6	63.8	68.6	74.4
Black	514.0	521.2	467.6	456.2	433.7	428.7	405.4	421.8
Hispanic	79.7	83.6	91.8	91.9	92.8	90.2	89.0	90.6
Other	60.7	62.1	69.6	68.2	63.6	59.1	69.5	59.4

*Note: The proportion of gonorrhea diagnoses with no reported race/ethnicity indicated from 6% in 2013 to 17% in 2016. Decreases in the gonorrhea rate by race may not accurately reflect the actual change in race-specific cases rates from 2013 -2016.

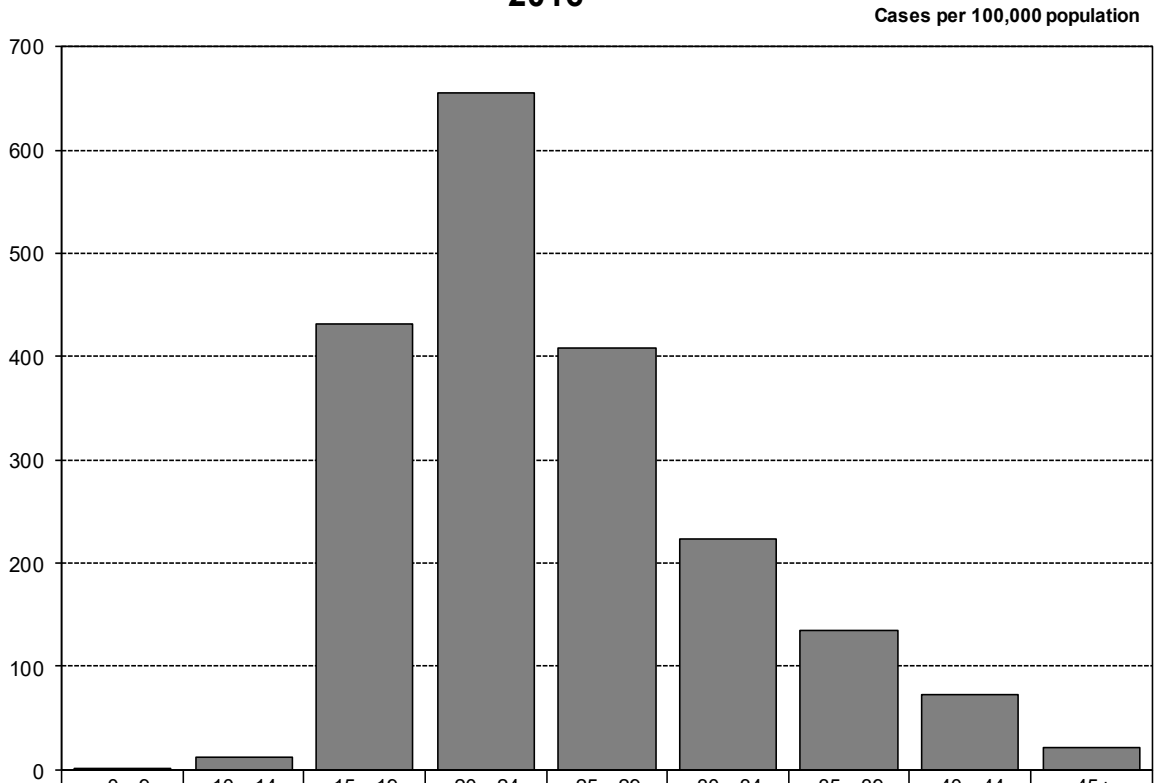
Texas Gonorrhea Case Rates by Sex and Year of Diagnosis, 2009-2016



	2009	2010	2011	2012	2013	2014	2015	2016
Male	106.5	112.3	112.9	116.3	123.5	135.0	152.5	165.9
Female	125.8	131.0	125.9	129.4	127.0	127.6	122.3	128.0

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

Texas Gonorrhea Case Rates by Age Group and Year of Diagnosis 2016



	0 - 9	10 - 14	15 - 19	20 - 24	25 - 29	30 - 34	35 - 39	40 - 44	45+
Age Group Rate	0.8	11.4	431.9	654.9	408.7	224.0	134.7	73.1	21.7

SYPHILIS: Brief Overview and Quick Facts

Description and Background*

Syphilis is a sexually transmitted disease (STD) caused by the bacterium Treponema pallidum and can cause long-term complications if not adequately treated. In 2015, 74,702 cases of syphilis were reported to The Centers for Disease Control and Prevention (CDC). Of these, 23,872 were primary and secondary (P&S) syphilis, the earliest and most transmissible stages of syphilis. Syphilis is transmitted from person to person by direct contact with a syphilitic sore, known as a chancre. Chancres occur on the external genitals, vagina, anus, or in the rectum, as well as on the lips and in the mouth. Transmission of syphilis occurs during vaginal, anal, or oral sex. Pregnant women with the disease can transmit it to their unborn child.

Impact and Risk*

In the 1990s, syphilis in the United States primarily occurred among heterosexual men and women of racial and ethnic minority groups. However, during the 2000s, cases increased among men who have sex with men (MSM). In 2002, rates of P&S syphilis were highest among men 30–39 years old, but in 2016, rates were highest among men 20–29 years old. This epidemiologic shift reflects increasing cases reported among young MSM in recent years. MSM accounted for 60% of all P&S syphilis cases in 2015. Black, Hispanic, and other racial/ethnic minorities are disproportionately affected by P&S syphilis in the United States, with black Americans accounting for most of P&S syphilis among individuals who are not MSM.

Syphilis Screening and Treatment*

Providers should routinely test persons who:

1. are pregnant;

2. are members of an at-risk subpopulation (persons in correctional facilities and MSM);

3. describe high risk sexual behaviors (having unprotected vaginal, anal, or oral sexual contact; multiple sexual partners; using drugs and alcohol, and engaging in commercial or coerced sex);

4. have partner(s) who have tested positive for syphilis; and

5. are sexually active and live in areas with high syphilis morbidity.

Syphilis diagnoses are commonly made using blood tests. There are two types of blood tests available for syphilis: nontreponemal and treponemal. Nontreponemal tests (VDRL and RPR) are simple and often used for screening but they are not specific for syphilis and by themselves are insufficient for diagnosis. Persons with a reactive nontreponemal test should receive a treponemal test to confirm a syphilis diagnosis. Treponemal tests (FTA-ABS, TP-PA, various EIAs, and chemiluminescence immunoassays) detect antibodies specific for syphilis. If a treponemal test is used for screening and the results are positive, a nontreponemal test with titer should be performed to confirm diagnosis and guide patient management decisions.

SYPHILIS: Brief Overview and Quick Facts—Continued

Syphilis Screening and Treatment-Continued*

Syphilis can be cured in its early stages. A single intramuscular injection of long acting Benzathine penicillin G will cure a person who has primary, secondary or early latent syphilis. Three doses of long acting Benzathine penicillin at weekly intervals is recommended for individuals with late latent syphilis or latent syphilis of unknown duration. Treatment will kill the syphilis bacterium and prevent further damage, but it will not repair damage already done.

Correct and consistent use of latex condoms can reduce the risk of syphilis only when the infected area or site of potential exposure is protected. However, a syphilis sore outside of the area covered by a latex condom can still allow transmission, so caution should be exercised even when using a condom. The surest way to avoid transmission of sexually transmitted diseases, including syphilis, is to abstain from sexual contact or to be in a long-term mutually monogamous relationship with a partner who has been tested and is known to be uninfected.

2016 State of Texas Total Syphilis Quick Facts

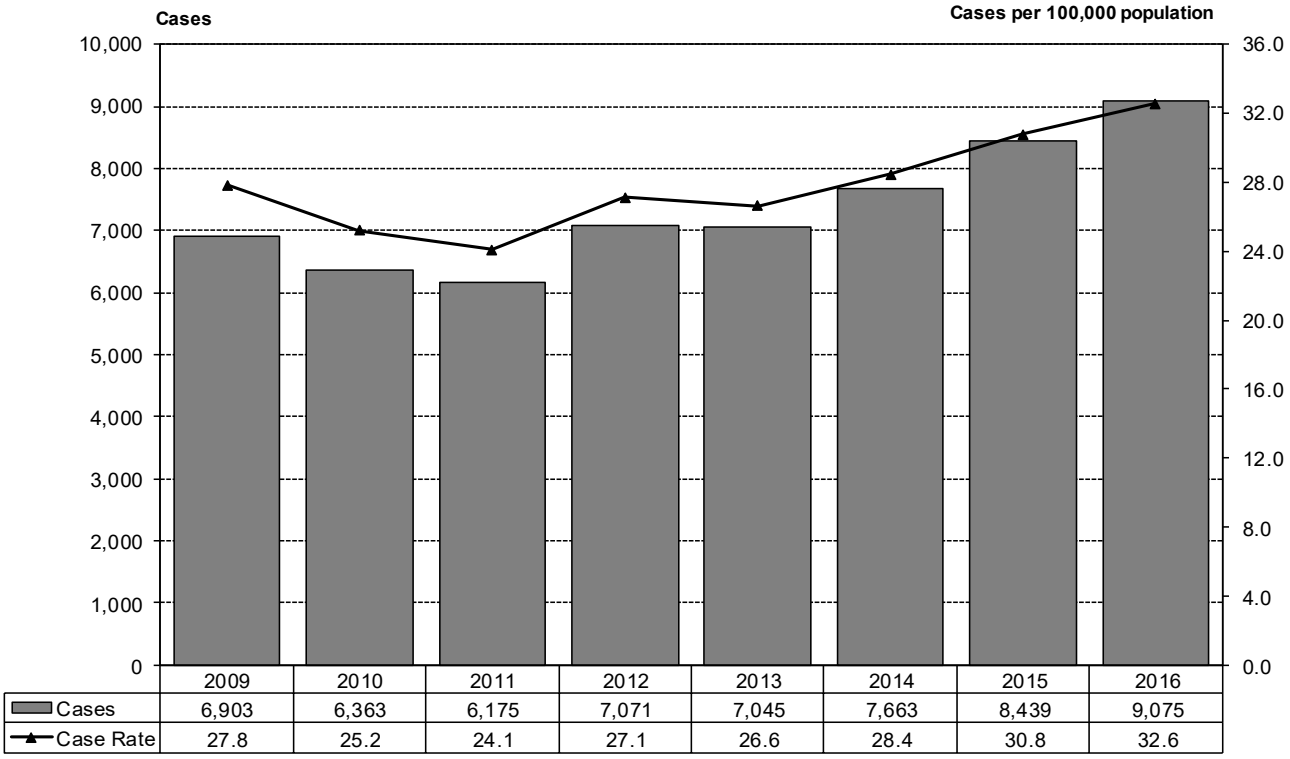
Number of reported total syphilis cases:	9,075
Total syphilis rate per 100,000 Texas residents:	32.6
Percent change in total syphilis rate from 2015:	+5.8%

2016 State of Texas Primary and Secondary Syphilis Quick Facts

Number of reported primary and secondary syphilis cases:	1,874
Primary and secondary syphilis rate per 100,000 Texas residents:	6.7
Percent change in primary and secondary syphilis rate from 2015:	+6.3%

***Source: Centers for Disease Control and Prevention Syphilis & MSM CDC Fact Sheet (Detailed Version), 2017.**

Texas Total Syphilis Cases and Case Rates by Year of Diagnosis, 2009-2016



	2009	2010	2011	2012	2013	2014	2015	2016
Cases	6,903	6,363	6,175	7,071	7,045	7,663	8,439	9,075
Case Rate	27.8	25.2	24.1	27.1	26.6	28.4	30.8	32.6

Total Syphilis Cases and Rates by Sex, Race/Ethnicity and Age Group, 2009-2016

	2009		2010		2011		2012		2013		2014		2015		2016	
County	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*
Sex																
Male	4,449	36.2	4,233	33.8	4,392	34.5	5,286	40.9	5,383	41.0	5,880	44.0	6,600	48.5	7,267	52.5
Female	2,448	19.6	2,129	16.7	1,782	13.8	1,782	13.6	1,662	12.5	1,779	13.1	1,832	13.3	1,808	12.9
Unknown	6		1		1		3		0		4		7		0	
Race																
White	1,304	11.3	1,139	9.8	1,256	10.7	1,670	14.2	1,623	13.7	1,757	14.7	1,961	16.3	2,096	17.3
Black	3,386	115.8	3,048	102.2	2,700	88.9	2,596	83.6	2,432	76.7	2,707	83.5	2,659	80.1	2,864	84.4
Hispanic	2,065	22.3	2,035	21.4	2,104	21.6	2,633	26.5	2,788	27.4	2,918	28.0	3,457	32.5	3,815	35.1
Other	110	10.2	115	10.2	109	9.3	140	11.4	164	12.7	205	15.2	205	14.4	213	14.3
Unknown	38		26		6		32		38		76		157		87	
Age Group																
0 - 9	128	3.4	110	2.8	100	2.6	78	2.0	73	1.9	74	1.9	71	1.8	74	1.8
10 - 14	12	0.6	14	0.7	10	0.5	10	0.5	5	0.3	8	0.4	9	0.4	4	0.2
15 - 19	655	34.9	590	31.3	506	26.9	479	25.5	424	22.4	453	23.7	473	24.4	503	25.5
20 - 24	1,458	81.1	1,441	78.8	1,334	71.1	1,424	73.8	1,401	71.2	1,611	80.5	1,701	84.5	1,824	91.0
25 - 29	1,180	64.1	1,071	57.6	1,062	56.5	1,251	65.8	1,333	69.4	1,562	79.4	1,784	88.4	1,991	96.2
30 - 34	830	48.1	806	45.5	850	46.7	927	49.6	975	50.9	1,099	56.1	1,244	62.6	1,374	68.2
35 - 39	721	40.9	648	36.8	609	34.8	727	41.4	715	40.3	749	41.5	868	46.7	952	49.8
40 - 44	643	38.3	562	33.0	567	32.5	707	39.6	659	36.5	690	37.9	726	39.8	702	38.7
45+	1,276	15.1	1,121	12.9	1,137	12.8	1,467	16.1	1,460	15.7	1,416	14.9	1,563	16.0	1,651	16.5
Unknown	0		0		0		1		0		1		0		0	
Total	6,903	27.8	6,363	25.2	6,175	24.1	7,071	27.1	7,045	26.6	7,663	28.4	8,439	30.8	9,075	32.6

*Rates represent cases per 100,000 population.

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

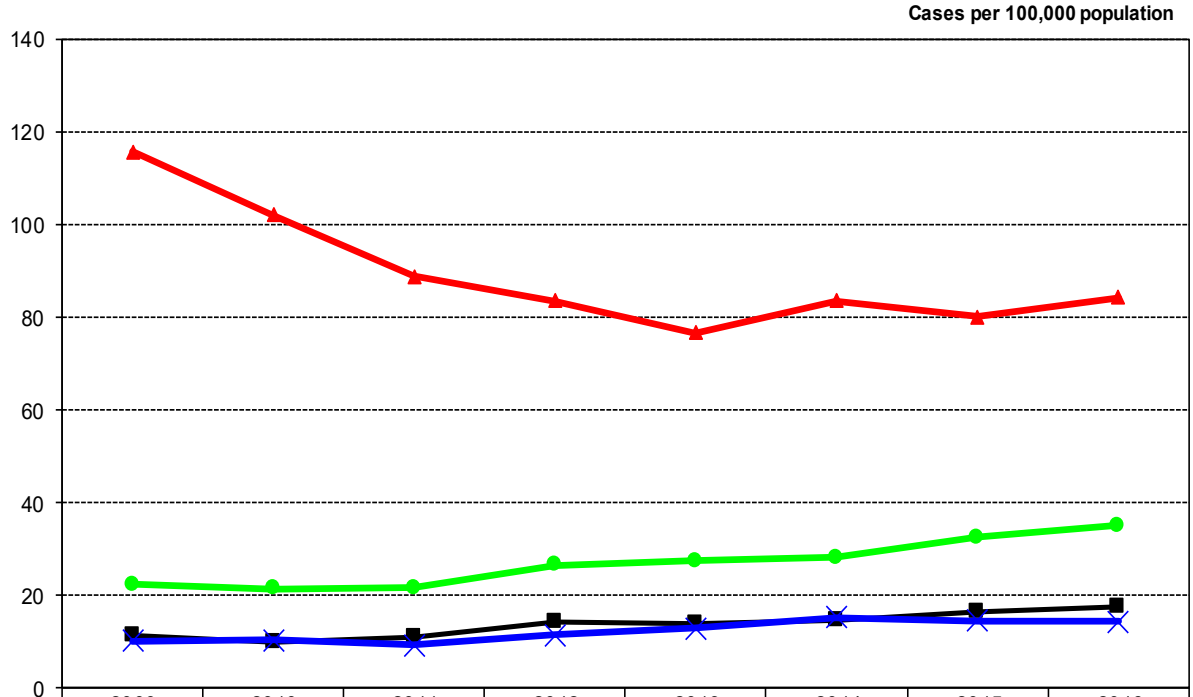
Total Syphilis Cases by Age Group, Race/Ethnicity and Sex, 2016

Age Group	Male						Female						Unk Sex	Total	Percent
	White	Black	Hisp.	Other	Unk	Total	White	Black	Hisp.	Other	Unk	Total			
0 - 9	5	12	26	0	0	43	1	13	16	1	0	31	0	74	0.8%
10 - 14	0	1	1	0	0	2	0	2	0	0	0	2	0	4	0.0%
15 - 19	38	112	131	5	5	291	22	84	99	5	2	212	0	503	5.5%
20 - 24	220	515	598	34	3	1,370	61	206	178	5	4	454	0	1,824	20.1%
25 - 29	337	548	687	43	12	1,627	61	140	156	5	2	364	0	1,991	21.9%
30 - 34	259	349	506	26	12	1,152	46	85	84	6	1	222	0	1,374	15.1%
35 - 39	196	209	343	17	7	772	32	63	78	4	3	180	0	952	10.5%
40 - 44	187	107	245	18	8	565	25	36	73	1	2	137	0	702	7.7%
45+	558	318	513	35	21	1,445	48	64	81	8	5	206	0	1,651	18.2%
Unk	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0%
Total	1,800	2,171	3,050	178	68	7,267	296	693	765	35	19	1,808	0	9,075	
Percent	24.8%	29.9%	42.0%	2.4%	0.9%		16.4%	38.3%	42.3%	1.9%	1.1%				
				Percent Male		80.1%				Percent Female		19.9%			

Total White	2,096	23.1%
Total Black	2,864	31.6%
Total Hispanic	3,815	42.0%
Total Other	213	2.3%
Total Unknown	87	1.0%
Total	**9,075**	

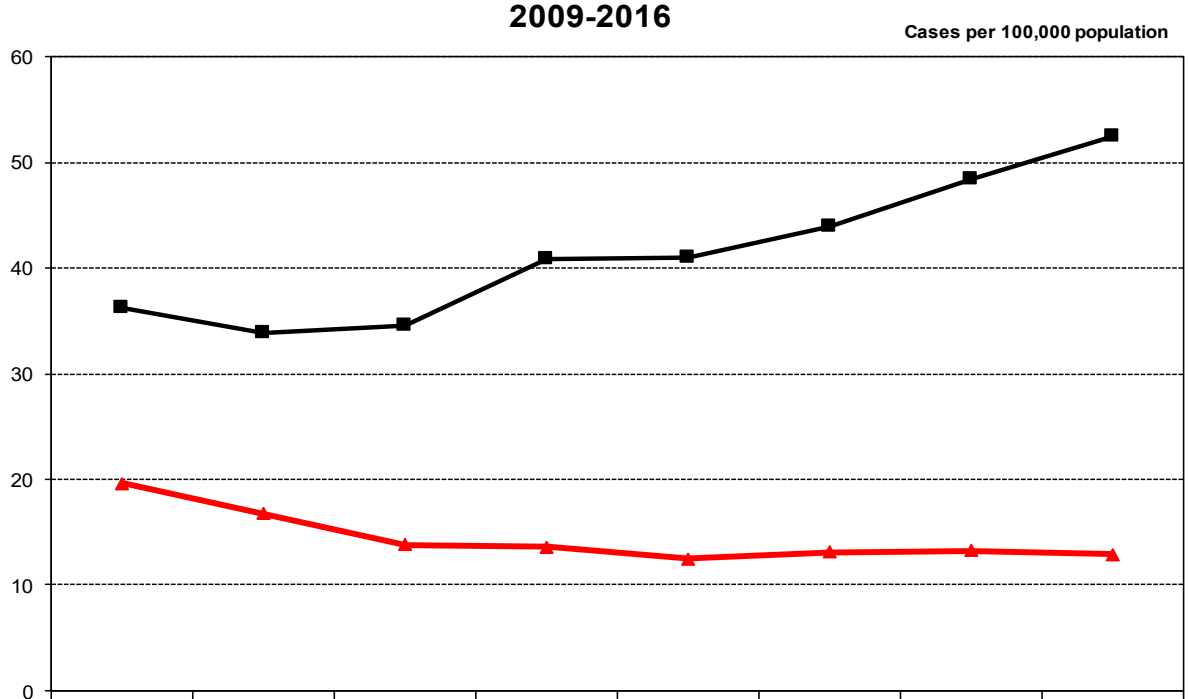
Note: Transgender persons may be included in male, female, or unknown sex categories

Texas Total Syphilis Case Rates by Race and Year of Diagnosis, 2009-2016



	2009	2010	2011	2012	2013	2014	2015	2016
White	11.3	9.8	10.7	14.2	13.7	14.7	16.3	17.3
Black	115.8	102.2	88.9	83.6	76.7	83.5	80.1	84.4
Hispanic	22.3	21.4	21.6	26.5	27.4	28.0	32.5	35.1
Other	10.2	10.2	9.3	11.4	12.7	15.2	14.4	14.3

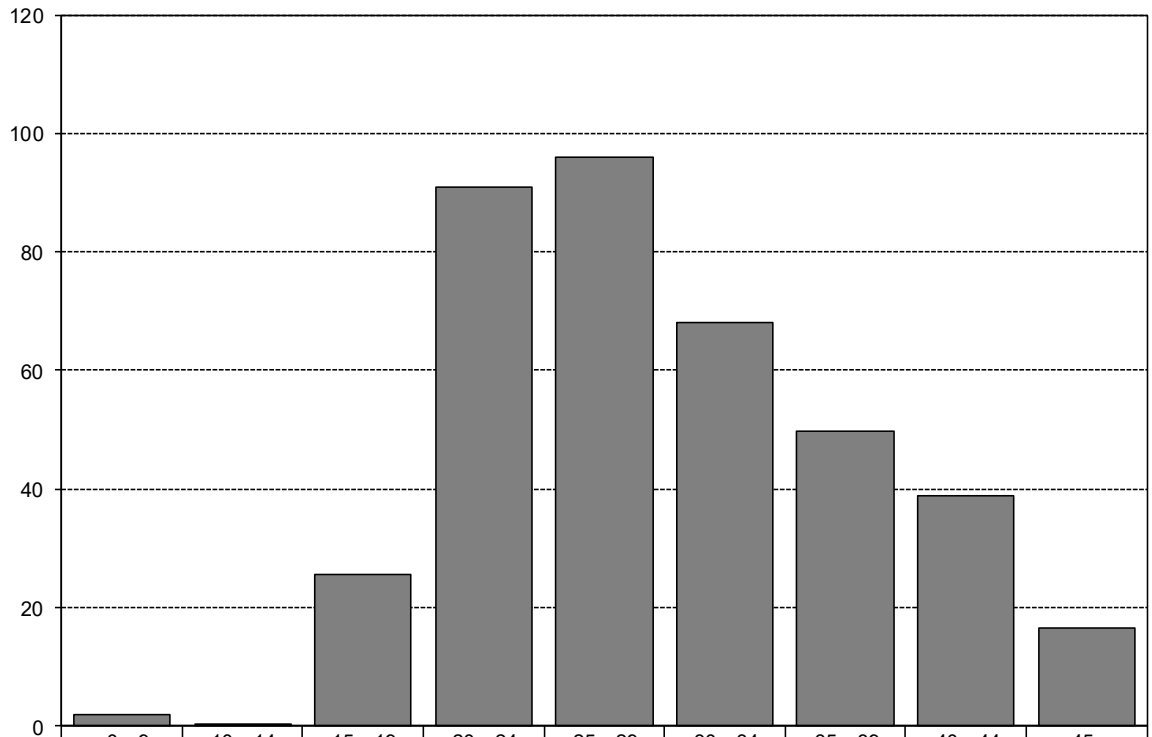
Texas Total Syphilis Case Rates by Sex and Year of Diagnosis, 2009-2016



	2009	2010	2011	2012	2013	2014	2015	2016
Male	36.2	33.8	34.5	40.9	41.0	44.0	48.5	52.5
Female	19.6	16.7	13.8	13.6	12.5	13.1	13.3	12.9

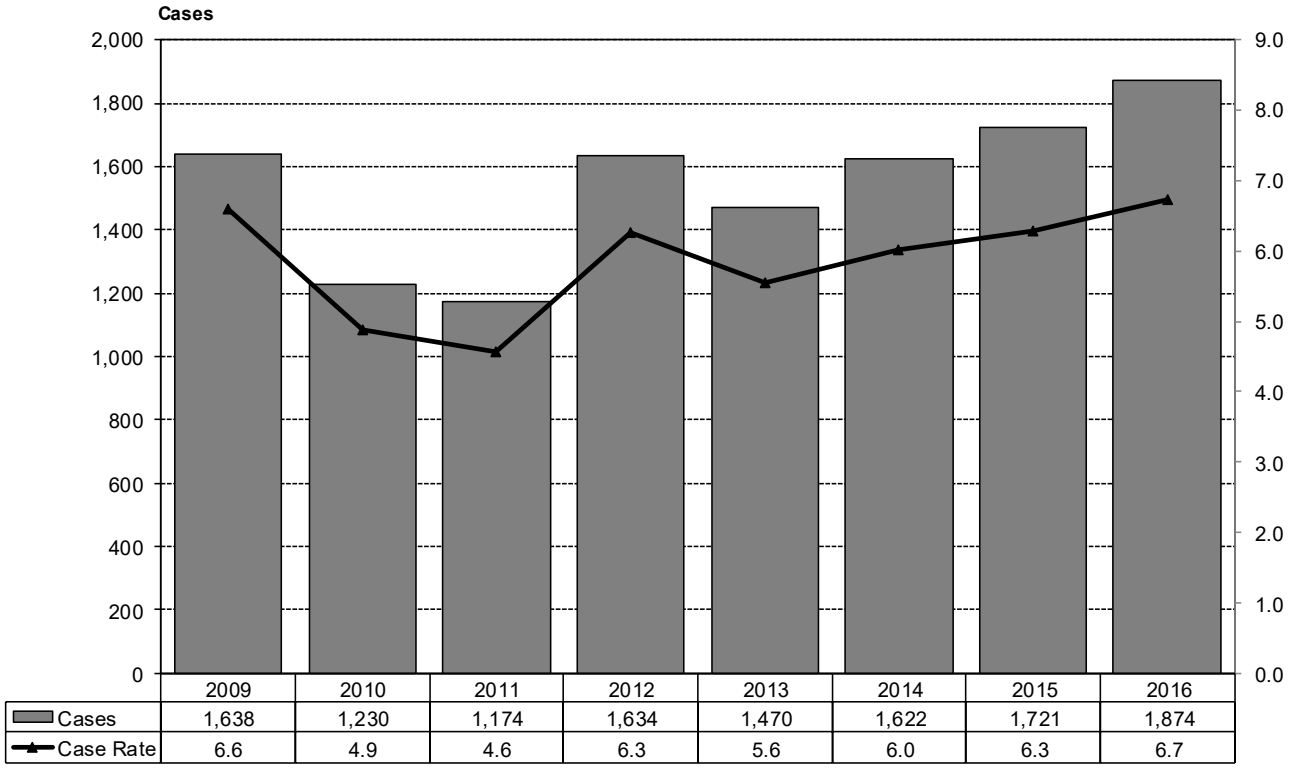
Note: Transgender persons may be included in male, female, or unknown sex categories

Texas Total Syphilis Case Rates by Age Group and Year of Diagnosis, 2016



	0 - 9	10 - 14	15 - 19	20 - 24	25 - 29	30 - 34	35 - 39	40 - 44	45+
Age Group Rate	1.8	0.2	25.5	91.0	96.2	68.2	49.8	38.7	16.5

Texas Primary and Secondary Syphilis Cases and Case Rates by Year of Diagnosis, 2009-2016



	2009	2010	2011	2012	2013	2014	2015	2016
Cases	1,638	1,230	1,174	1,634	1,470	1,622	1,721	1,874
Case Rate	6.6	4.9	4.6	6.3	5.6	6.0	6.3	6.7

P&S Syphilis Cases and Rates by Sex, Race/Ethnicity and Age Group, 2009-2016

	2009		2010		2011		2012		2013		2014		2015		2016	
County	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*
Sex																
Male	1,153	9.4	893	7.1	920	7.2	1,358	10.5	1,284	9.8	1,379	10.3	1,486	10.9	1,653	12.0
Female	485	3.9	337	2.6	254	2.0	276	2.1	186	1.4	243	1.8	235	1.7	221	1.6
Unknown	0		0		0		0		0		0		0		0	
Race																
White	305	2.6	220	1.9	271	2.3	422	3.6	392	3.3	443	3.7	450	3.7	514	4.2
Black	977	33.4	695	23.3	523	17.2	570	18.4	509	16.1	603	18.6	535	16.1	564	16.6
Hispanic	335	3.6	297	3.1	359	3.7	613	6.2	532	5.2	526	5.1	677	6.4	735	6.8
Other	13	1.2	16	1.4	20	1.7	28	2.3	33	2.6	45	3.3	42	3.0	52	3.5
Unknown	8		2		1		1		4		5		17		9	
Age Group																
0 - 9	1	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
10 - 14	3	0.2	2	0.1	2	0.1	1	0.1	0	0.0	3	0.2	0	0.0	1	0.0
15 - 19	190	10.1	142	7.5	122	6.5	118	6.3	100	5.3	98	5.1	122	6.3	103	5.2
20 - 24	427	23.8	345	18.9	331	17.6	408	21.1	338	17.2	432	21.6	443	22.0	466	23.2
25 - 29	304	16.5	236	12.7	208	11.1	314	16.5	321	16.7	371	18.9	420	20.8	447	21.6
30 - 34	196	11.4	160	9.0	154	8.5	214	11.5	193	10.1	220	11.2	225	11.3	274	13.6
35 - 39	144	8.2	104	5.9	99	5.7	155	8.8	132	7.4	152	8.4	146	7.9	194	10.1
40 - 44	123	7.3	91	5.3	97	5.6	147	8.2	137	7.6	117	6.4	118	6.5	110	6.1
45+	250	3.0	150	1.7	161	1.8	277	3.0	249	2.7	229	2.4	247	2.5	279	2.8
Unknown	0		0		0		0		0		0		0		0	
Total	1,638	6.6	1,230	4.9	1,174	4.6	1,634	6.3	1,470	5.6	1,622	6.0	1,721	6.3	1,874	6.7

*Rates represent cases per 100,000 population.

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

Primary & Secondary Syphilis Cases by Age Group, Race/Ethnicity and Sex, 2016

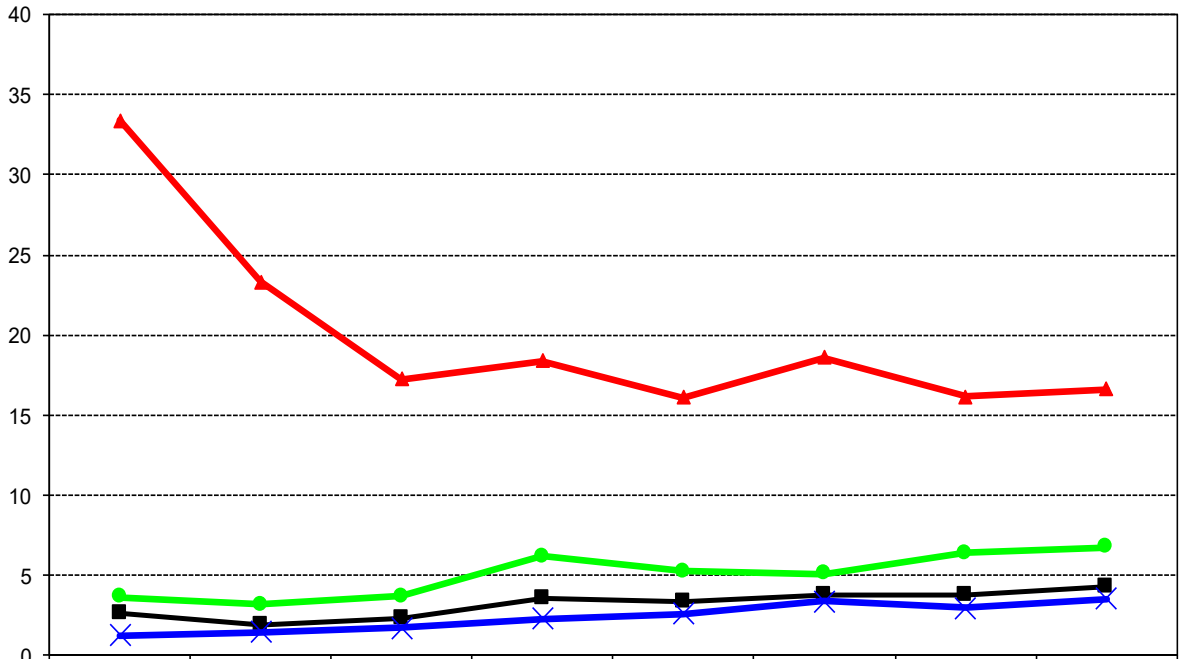
Age Group	Male						Female						Unk Sex	Total	Percent
	White	Black	Hisp.	Other	Unk	Total	White	Black	Hisp.	Other	Unk	Total			
0 - 9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0%
10 - 14	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0.1%
15 - 19	12	25	34	0	1	72	5	18	7	1	0	31	0	103	5.5%
20 - 24	82	138	163	13	0	396	8	37	24	1	0	70	0	466	24.9%
25 - 29	82	130	176	13	2	403	6	21	16	1	0	44	0	447	23.9%
30 - 34	64	70	104	8	2	248	9	8	9	0	0	26	0	274	14.6%
35 - 39	58	40	67	7	2	174	3	6	9	2	0	20	0	194	10.4%
40 - 44	41	17	38	3	0	99	3	1	7	0	0	11	0	110	5.9%
45+	134	47	75	3	2	261	7	5	6	0	0	18	0	279	14.9%
Unk	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0%
Total	473	467	657	47	9	1,653	41	97	78	5	0	221	0	1,874	
Percent	28.6%	28.3%	39.7%	2.8%	0.5%		18.6%	43.9%	35.3%	2.3%	0.0%				
				Percent Male		88.2%				Percent Female		11.8%			

Total White	514	27.4%
Total Black	564	30.1%
Total Hispanic	735	39.2%
Total Other	52	2.8%
Total Unknown	9	0.5%
Total	**1,874**	

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

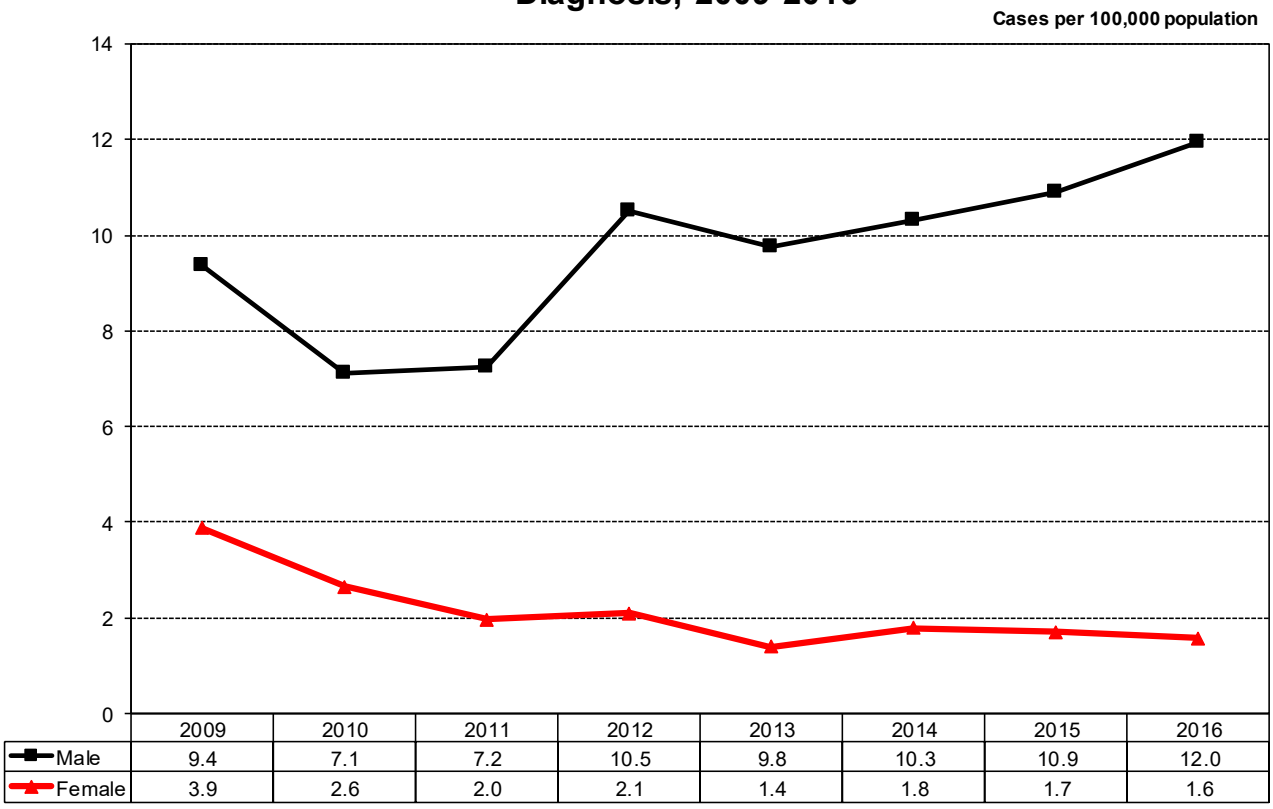
Texas Primary and Secondary Syphilis Case Rates by Race and Year of Diagnosis, 2009-2016

Cases per 100,000 population



	2009	2010	2011	2012	2013	2014	2015	2016
White	2.6	1.9	2.3	3.6	3.3	3.7	3.7	4.2
Black	33.4	23.3	17.2	18.4	16.1	18.6	16.1	16.6
Hispanic	3.6	3.1	3.7	6.2	5.2	5.1	6.4	6.8
Other	1.2	1.4	1.7	2.3	2.6	3.3	3.0	3.5

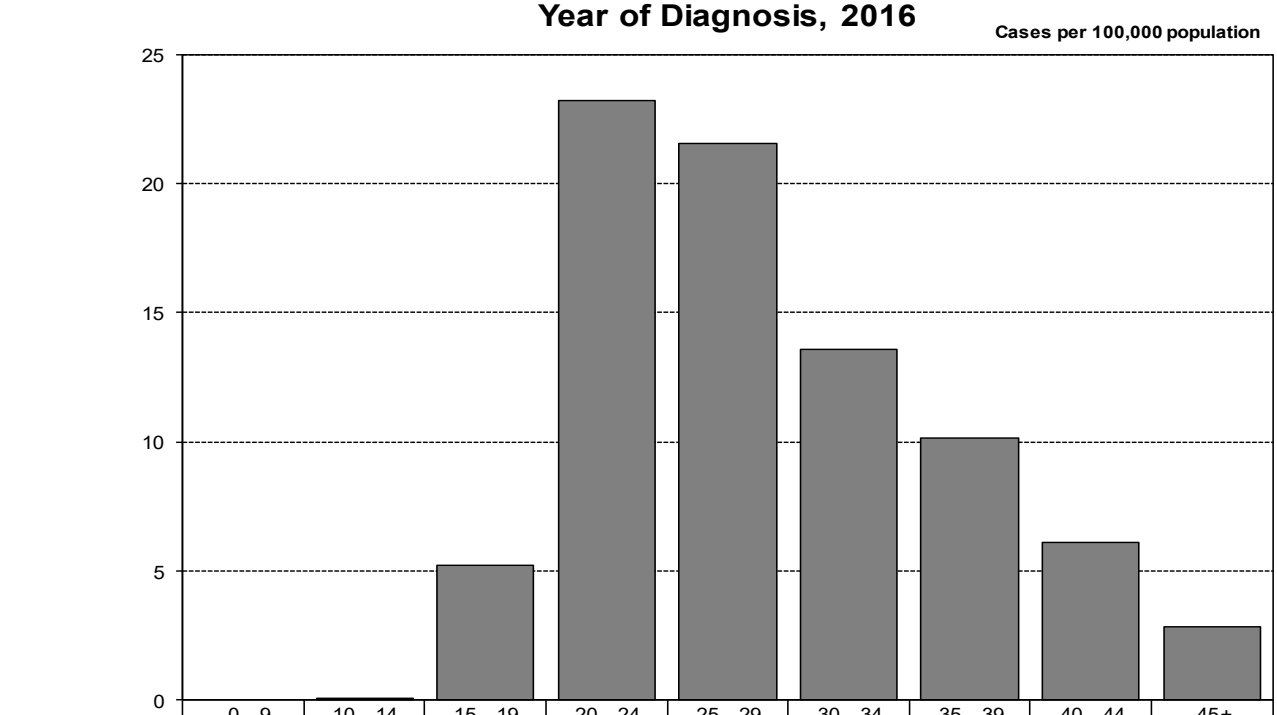
Texas Primary and Secondary Syphilis Case Rates by Sex and Year of Diagnosis, 2009-2016



	2009	2010	2011	2012	2013	2014	2015	2016
Male	9.4	7.1	7.2	10.5	9.8	10.3	10.9	12.0
Female	3.9	2.6	2.0	2.1	1.4	1.8	1.7	1.6

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

Texas Primary and Secondary Syphilis Case Rates by Age Group and Year of Diagnosis, 2016



	0 - 9	10 - 14	15 - 19	20 - 24	25 - 29	30 - 34	35 - 39	40 - 44	45+
Age Group Rate	-	0.0	5.2	23.2	21.6	13.6	10.1	6.1	2.8

CONGENITAL SYPHILIS: Brief Overview and Quick Facts

Description and Background*

Congenital syphilis is caused by the bacterium Treponema pallidum, which is passed from mother to child during fetal development or at birth. Nearly half of all children infected with syphilis while they are in the womb die shortly before or after birth.

Impact and Risk**

Nationally, the congenital syphilis rate has been increasing since 2013, from 9.2 cases per 100,000 live births in 2013 to 12.4 cases per 100,000 live births in 2015. Additionally in 2015, the rate of congenital syphilis was 35.2 cases per 100,000 live births among Blacks and 15.5 cases per 100,000 live births among Hispanics. The rate among Whites was 4.4 per 100,000 live births.

Congenital Syphilis Screening and Treatment***

All pregnant women should be tested for syphilis at the first prenatal visit. The syphilis screening test should be repeated during the third trimester (28 to 32 weeks gestation) and at delivery in women who are at high risk for syphilis, live in areas of high syphilis morbidity, are previously untested or had a positive screening test in the first trimester.

Depending on how long a pregnant woman has been infected, she may have a high risk of having a stillbirth (a baby born dead) or of giving birth to a baby who dies shortly after birth. Untreated syphilis in pregnant women results in infant death in up to 40% of cases. Any woman who delivers a stillborn infant after 20 weeks' gestation should also be tested for syphilis. An infected baby born alive may not have signs or symptoms of disease. If not treated immediately, the baby may develop serious problems within a few weeks. Untreated babies may become developmentally delayed, have seizures or die. All babies born to mothers who test positive for syphilis during pregnancy should be screened and examined thoroughly for evidence of congenital syphilis.

For pregnant women, only penicillin therapy can be used to treat syphilis and prevent passing the disease to her baby; treatment with penicillin is extremely effective (success rate of 98%) in preventing mother-to-child transmission. Pregnant women who are allergic to penicillin should be referred to a specialist for desensitization to penicillin.

2016 State of Texas Congenital Syphilis Quick Facts

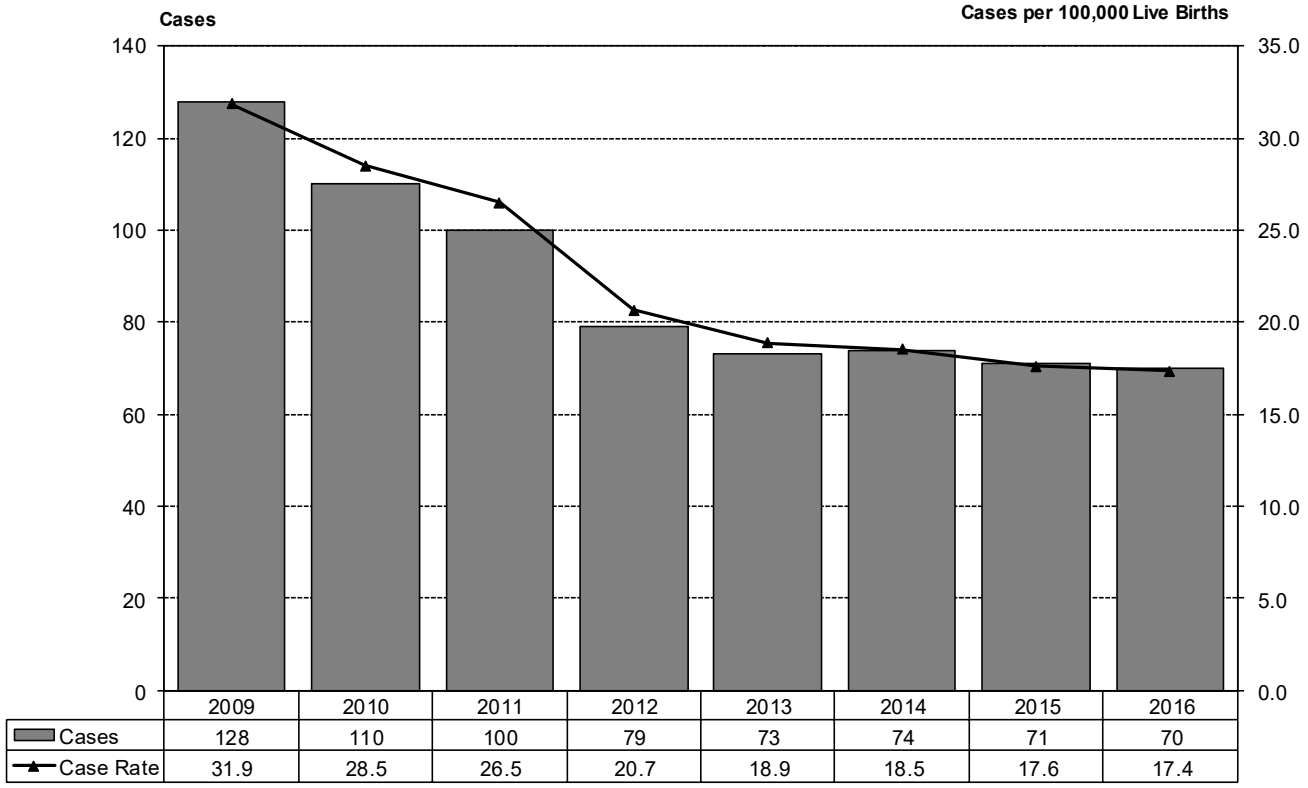
Number of reported congenital syphilis cases:	70
Congenital syphilis rate per 100,000 Texas births:	17.4
Percent change in congenital syphilis rate from 2015:	-1.1%

***Source: National Institutes of Health Medline Plus-Congenital Syphilis 2015.**

****Source: Centers for Disease Control and Surveillance, 2015 STD Surveillance Report**

*****Source: Centers for Disease Control and Prevention Syphilis CDC Fact Sheet (Detailed Version), 2017**

Texas Congenital Syphilis Cases and Case Rates by Year of Diagnosis, 2009-2016



	2009	2010	2011	2012	2013	2014	2015	2016
Cases	128	110	100	79	73	74	71	70
Case Rate	31.9	28.5	26.5	20.7	18.9	18.5	17.6	17.4

Congenital Syphilis Cases and Rates by Race/Ethnicity, 2009-2016

	2009		2010		2011		2012		2013		2014		2015		2016	
County	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*
Race																
White	11	8.1	15	11.2	13	9.8	13	9.8	10	7.5	11	8.0	7	5.1	6	4.4
Black	61	134.1	55	123.5	50	116.0	31	71.9	30	68.0	38	82.7	21	44.2	25	52.6
Hispanic	52	25.9	36	19.0	35	19.2	33	18.0	31	16.7	24	12.7	38	19.9	38	19.9
Other	2	10.7	2	10.6	2	10.2	2	8.3	1	4.1	0	0.0	3	10.6	1	3.5
Unknown	2		2		0		0		1		1		2		0	
Total	128	31.9	110	28.5	100	26.5	79	20.7	73	18.9	74	18.5	71	17.6	70	17.4

* Rates represent cases per 100,000 live births. 2016 rates are based on 2015 birth data.

Appendix A
Chlamydia Cases and Rates
By County of Residence
2009-2016

Chlamydia Cases and Rates by County of Residence, 2009-2016

County	2009		2010		2011		2012		2013		2014		2015		2016	
	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*
Anderson	102	174.6	146	249.6	202	346.2	196	337.8	223	385.2	215	372.5	195	339.2	221	382.8
Andrews	70	479.4	54	364.0	69	448.3	67	416.0	58	345.7	63	362.0	67	371.7	48	270.3
Angelina	283	329.0	370	425.7	402	460.6	438	500.5	469	536.6	476	543.2	484	550.4	458	521.7
Aransas	111	476.6	139	599.2	107	458.2	125	528.2	129	534.7	125	502.6	159	629.4	131	509.3
Archer	14	155.2	11	120.8	7	79.3	21	239.0	18	205.5	21	238.8	113	1,297.2	11	126.4
Armstrong	4	209.3	4	210.6	3	155.4	4	205.7	6	307.1	1	51.6	31	1,610.4	69	3,678.0
Atascosa	113	253.2	138	306.9	146	321.0	200	430.5	213	452.4	202	422.7	211	435.6	307	629.1
Austin	58	205.3	66	232.6	52	181.9	66	231.2	65	226.4	56	193.3	77	260.6	93	312.5
Bailey	33	468.1	33	461.3	14	194.5	22	308.4	23	322.2	18	258.2	20	276.5	22	306.4
Bandera	25	122.8	31	150.9	19	92.5	20	97.1	25	121.4	14	67.1	19	89.6	24	110.2
Bastrop	186	252.8	197	265.0	276	367.8	261	349.2	262	345.4	301	386.4	490	610.9	632	763.9
Baylor	4	107.4	12	322.9	10	269.2	4	110.6	9	249.3	5	138.9	4	109.0	11	297.5
Bee	136	426.8	144	451.7	167	516.7	139	428.4	198	604.2	174	529.1	190	581.5	209	638.2
Bell	3,472	1,153.3	3,838	1,226.3	3,965	1,254.3	3,975	1,230.3	3,806	1,165.3	3,450	1,047.5	3,833	1,144.8	3,709	1,089.6
Bexar	10,383	616.0	11,319	656.9	11,809	672.7	11,332	633.6	11,542	633.5	11,126	598.6	13,068	689.4	13,318	690.5
Blanco	17	164.8	17	161.8	22	208.0	22	206.7	23	215.9	31	286.1	44	397.6	70	614.5
Borden	0	0.0	1	155.5	1	159.2	1	163.1	1	157.0	0	0.0	0	0.0	0	0.0
Bosque	34	188.8	34	186.2	39	213.7	34	187.7	34	190.2	47	264.6	45	251.3	26	143.7
Bowie	402	435.9	422	455.3	365	392.9	397	426.3	511	546.8	523	559.6	501	535.8	576	613.7
Brazoria	751	242.9	1,017	323.4	1,047	327.9	1,015	312.9	1,142	346.0	1,145	339.0	1,179	341.1	1,204	339.9
Brazos	885	462.3	971	496.2	1,008	510.4	1,047	522.9	1,046	512.4	1,314	629.2	1,373	636.0	1,402	636.1
Brewster	42	463.9	20	215.7	41	438.3	43	465.2	39	420.6	50	548.1	59	648.4	43	467.4
Briscoe	0	0.0	1	61.3	2	121.3	0	0.0	3	193.9	1	65.1	5	332.4	15	1,017.6
Brooks	43	589.3	52	722.0	48	665.0	38	528.6	37	511.2	41	566.8	54	748.8	48	665.4
Brown	148	389.5	148	388.3	143	376.1	105	277.4	113	298.5	149	395.0	154	405.5	197	514.8
Burleson	43	251.8	52	302.0	54	313.2	78	450.1	62	360.9	72	416.4	84	479.3	75	422.3
Burnet	89	208.9	89	208.2	102	235.3	111	255.1	122	278.9	126	284.7	173	382.9	172	371.9
Caldwell	144	380.7	180	472.4	202	525.7	180	465.1	196	499.9	187	470.7	328	811.0	425	1,032.5
Calhoun	42	196.4	56	262.6	68	318.5	74	343.0	71	326.3	69	316.4	61	278.3	78	355.1
Callahan	16	118.1	23	170.1	22	162.5	24	177.6	25	184.8	24	177.5	43	316.3	37	267.7
Cameron	1,327	331.5	1,381	338.8	1,643	397.9	1,715	412.8	1,803	432.1	1,934	461.4	1,724	410.6	1,950	461.9
Camp	37	299.3	37	298.1	46	370.7	54	433.1	74	594.9	73	576.7	49	385.2	49	380.8
Carson	9	144.7	6	97.3	9	143.6	12	196.4	7	117.0	8	133.0	31	519.1	42	693.4
Cass	76	250.8	82	269.5	96	314.7	79	261.5	118	388.0	97	319.6	62	204.0	94	309.5
Castro	24	305.5	24	295.9	17	211.1	28	342.0	31	386.2	12	153.5	22	286.5	21	273.8
Chambers	21	61.3	32	90.3	19	53.3	31	85.1	44	118.2	38	99.8	90	232.2	68	170.4
Cherokee	173	342.9	178	349.6	245	480.3	224	437.5	222	435.5	250	490.1	251	488.0	262	507.1
Childress	11	156.5	19	269.0	26	370.5	23	324.4	21	298.0	16	226.7	23	326.2	42	595.6
Clay	8	73.9	17	158.4	9	84.3	10	95.1	20	191.4	20	193.1	17	164.7	23	225.6
Cochran	11	356.4	11	350.5	9	292.8	7	231.7	9	300.0	10	341.9	10	339.6	11	381.7
Coke	8	241.7	5	150.6	7	213.4	10	310.8	16	500.6	6	185.6	0	0.0	9	275.7
Coleman	20	225.6	15	169.0	16	182.6	11	126.8	16	187.5	26	308.9	21	252.0	30	356.3
Collin	1,571	205.1	1,711	216.9	1,993	244.7	2,160	258.0	2,029	236.5	2,097	236.9	2,310	253.0	2,716	289.1
Collingsworth	5	164.4	15	491.0	8	258.6	10	330.9	7	226.1	9	299.2	8	265.0	2	66.3
Colorado	45	216.5	42	201.1	55	264.6	52	251.4	59	284.9	80	387.1	78	373.6	89	423.4
Comal	177	166.4	216	197.6	283	252.6	327	284.3	377	317.4	301	243.8	431	333.8	537	398.4
Comanche	14	100.6	25	179.2	22	158.6	24	175.1	33	243.7	25	186.1	37	276.8	42	311.5
Concho	8	196.3	10	244.1	6	145.0	7	171.9	5	121.4	1	24.5	10	240.7	8	187.0
Cooke	83	216.1	111	288.6	102	265.6	106	273.4	118	306.5	127	327.8	110	281.3	124	315.8
Coryell	210	281.2	253	334.7	309	403.4	361	469.8	342	449.3	357	473.2	363	481.0	390	522.2
Cottle	1	66.3	0	0.0	3	198.5	2	134.7	4	276.2	1	69.8	9	628.9	9	641.9
Crane	10	230.8	4	91.3	10	229.1	7	153.4	15	315.4	12	243.5	14	277.8	17	352.0
Crockett	7	187.2	11	296.6	22	599.3	9	242.1	11	292.3	7	184.4	9	240.5	19	517.0
Crosby	27	445.8	33	546.2	30	492.7	18	295.2	29	485.1	32	543.9	16	267.3	24	400.5
Culberson	4	167.8	8	333.5	5	210.2	9	389.8	9	392.2	11	486.7	7	313.5	9	409.5
Dallam	21	319.6	29	430.1	31	453.8	27	386.9	25	356.0	18	253.7	31	436.2	36	510.2
Dallas	13,709	584.3	15,292	644.6	16,838	699.5	16,262	663.1	14,636	590.2	17,180	683.8	15,379	604.1	15,176	589.4
Dawson	60	436.6	60	433.7	79	573.1	64	469.0	45	339.5	60	444.4	50	382.4	38	289.8
Deaf Smith	66	345.8	82	421.7	61	313.2	136	703.7	92	480.8	92	481.8	84	446.6	83	440.8
Delta	6	115.8	10	190.9	17	326.8	14	264.1	12	231.3	18	345.3	9	172.6	16	306.8
Denton	1,317	202.7	1,486	222.9	1,782	260.0	1,812	256.1	1,984	272.4	2,080	276.3	2,205	283.2	2,174	269.7
DeWitt	37	184.6	61	304.1	79	388.8	79	385.8	106	517.2	70	338.6	120	577.3	124	594.3
Dickens	8	330.2	2	81.9	1	41.8	4	172.8	4	175.2	4	181.4	3	136.5	3	137.4
Dimmit	32	324.9	37	368.6	58	574.5	64	610.3	72	660.2	57	517.0	75	682.1	99	917.2

*Rates represent cases per 100,000 population.

Chlamydia Cases and Rates by County of Residence, 2009-2016

	2009		2010		2011		2012		2013		2014		2015		2016	
County	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*
Donley	14	381.5	26	696.9	16	428.8	11	301.3	15	420.6	4	114.2	6	176.1	12	352.4
Duval	49	411.2	42	358.3	45	383.9	49	422.9	61	525.6	78	676.5	83	728.1	172	1,505.1
Eastland	19	102.7	33	177.5	35	188.3	29	157.5	36	197.5	29	159.2	48	264.7	42	229.8
Ector	728	531.7	788	574.8	833	607.7	796	550.8	1,036	692.3	1,069	691.6	1,067	668.2	917	582.4
Edwards	2	99.4	6	300.3	8	400.4	1	50.7	6	319.0	3	158.6	8	418.6	4	209.3
Ellis	436	295.8	441	293.3	501	333.2	456	296.6	467	299.2	487	305.7	590	360.9	568	337.1
El Paso	3,464	440.3	4,351	541.4	4,588	570.9	5,366	645.8	4,968	597.7	4,961	594.7	4,508	540.7	2,990	356.8
Erath	117	311.2	69	182.1	128	337.8	138	349.5	168	419.9	176	432.8	191	461.6	243	583.3
Falls	93	523.6	115	643.2	104	581.7	101	575.4	90	523.2	98	571.7	89	518.7	90	521.0
Fannin	78	230.3	100	294.9	73	215.3	82	243.4	87	258.5	90	266.6	61	181.3	81	238.0
Fayette	33	134.9	41	167.1	51	207.9	67	271.2	46	185.6	53	213.2	62	247.5	97	385.7
Fisher	6	149.5	9	227.6	16	404.7	14	364.6	9	234.0	15	390.3	18	467.2	16	415.2
Floyd	19	291.9	30	468.4	19	296.6	30	470.8	24	382.5	19	317.9	15	254.2	19	321.1
Foard	0	0.0	0	0.0	0	0.0	1	76.3	0	0.0	1	78.9	1	82.3	0	0.0
Fort Bend	1,091	191.7	1,272	215.4	1,149	194.6	1,254	200.4	1,407	215.4	1,424	208.0	2,043	286.2	2,660	358.9
Franklin	46	433.9	34	320.8	37	349.2	34	320.5	40	378.7	35	332.6	33	312.7	55	518.5
Freestone	41	207.7	57	287.7	65	328.1	53	272.8	50	255.7	54	275.2	41	208.2	60	305.7
Frio	81	473.1	83	481.3	74	429.1	77	430.7	74	405.3	103	551.0	93	491.3	100	527.5
Gaines	42	244.7	24	136.6	35	199.2	30	163.2	33	174.6	51	262.9	39	192.3	35	170.9
Galveston	998	347.2	1,117	381.8	1,165	398.3	1,138	378.0	1,196	390.0	1,364	434.8	1,451	451.3	1,504	456.5
Garza	9	141.3	16	247.4	16	247.4	13	201.6	14	218.7	32	498.6	33	517.0	25	388.1
Gillespie	47	191.0	40	160.8	30	120.6	41	162.9	38	149.9	53	207.5	86	329.8	121	456.2
Glasscock	1	81.7	0	0.0	2	162.5	2	158.9	3	241.4	0	0.0	1	75.0	2	152.2
Goliad	16	223.6	13	180.0	20	276.9	23	313.8	11	147.7	13	173.4	51	677.7	53	705.1
Gonzales	95	484.0	81	409.3	97	490.1	133	668.0	98	486.6	102	500.7	79	384.4	40	191.6
Gray	83	365.3	47	209.3	69	307.2	84	367.9	94	410.0	67	286.1	74	318.5	81	356.4
Grayson	287	239.0	359	296.6	391	323.0	368	302.5	418	341.9	384	310.9	404	321.8	490	382.1
Gregg	798	658.2	878	719.6	1,075	881.1	900	732.7	978	794.8	978	795.3	891	719.6	992	801.6
Grimes	77	291.4	87	326.9	130	488.4	128	479.3	115	428.5	136	502.3	136	496.0	115	415.6
Guadalupe	252	196.5	322	242.9	350	264.0	439	314.2	445	310.8	373	253.3	361	238.8	309	199.0
Hale	185	514.9	226	622.6	189	520.7	192	529.2	181	506.3	178	515.4	171	500.0	176	513.7
Hall	5	149.6	15	447.5	12	358.0	6	182.9	12	377.0	11	355.5	6	192.7	10	318.7
Hamilton	9	105.5	9	106.0	11	129.6	17	205.1	23	278.2	23	281.4	15	184.6	16	192.7
Hansford	6	108.0	10	178.5	7	125.0	10	180.9	4	72.1	8	144.5	9	160.5	13	234.7
Hardeman	10	244.7	10	240.7	10	240.7	16	393.9	5	124.6	8	203.6	12	311.6	10	256.0
Hardin	94	173.3	93	169.7	138	251.8	100	181.4	109	197.0	101	181.9	137	245.5	119	211.3
Harris	17,719	439.1	20,776	505.7	21,679	527.7	22,067	518.1	23,316	536.4	25,035	563.6	26,241	578.8	26,931	586.7
Harrison	177	271.5	255	388.1	362	550.9	298	449.6	281	424.4	283	425.5	273	409.9	328	493.0
Hartley	1	16.8	4	66.1	3	49.6	4	65.0	1	16.5	2	32.7	1	17.4	2	34.8
Haskell	18	307.1	12	204.1	17	289.1	12	203.1	10	169.0	16	276.7	11	190.5	18	316.8
Hays	890	579.4	854	539.7	1,100	695.1	998	592.6	1,095	622.1	1,101	595.3	1,070	549.9	1,243	607.9
Hemphill	11	289.3	5	131.7	12	316.1	9	221.1	11	266.7	20	480.7	6	140.5	4	96.9
Henderson	163	208.4	175	222.5	221	281.0	255	323.0	209	265.9	239	301.8	224	282.1	244	305.4
Hidalgo	3,179	419.7	3,142	403.3	3,312	425.1	3,166	392.6	3,288	402.4	3,619	436.5	3,343	398.3	3,525	414.8
Hill	94	268.5	98	279.0	144	409.9	88	250.8	84	241.5	121	348.6	144	413.2	92	262.3
Hockley	104	450.5	128	560.2	142	621.5	112	484.7	113	481.3	121	513.5	146	622.3	103	442.5
Hood	83	163.3	102	198.9	114	222.3	131	251.3	134	253.3	134	248.8	116	209.6	137	241.0
Hopkins	68	194.7	82	232.9	109	309.7	95	268.4	102	288.0	108	301.3	144	398.0	172	472.5
Houston	65	274.7	58	244.8	54	227.9	77	332.7	66	290.3	64	281.9	66	291.1	67	294.5
Howard	188	539.0	146	417.0	198	565.6	152	428.3	168	464.1	164	449.1	191	513.4	178	484.9
Hudspeth	4	116.9	12	346.1	15	432.7	8	238.7	14	420.3	7	215.8	3	87.6	9	222.1
Hunt	277	324.9	305	353.1	326	377.4	316	362.7	347	396.3	384	432.7	378	420.7	434	471.4
Hutchinson	58	261.4	73	328.8	57	256.7	64	291.4	104	476.1	63	288.5	93	427.5	81	376.6
Irion	7	441.1	6	372.7	2	124.2	5	317.9	1	62.5	3	191.4	1	64.7	0	0.0
Jack	20	220.8	12	133.1	8	88.8	10	111.1	12	134.8	10	112.9	23	260.7	36	411.7
Jackson	48	340.7	44	312.5	38	269.9	39	273.1	44	300.6	32	216.8	48	323.3	45	302.6
Jasper	95	268.9	155	433.0	124	346.4	114	317.9	126	353.2	147	413.4	140	394.8	119	333.8
Jeff Davis	6	258.0	0	0.0	0	0.0	2	86.8	3	135.0	7	318.3	1	45.9	1	45.5
Jefferson	1,150	457.6	1,196	473.7	1,410	558.5	1,310	521.4	1,196	473.4	1,234	489.3	1,485	584.3	1,422	558.3
Jim Hogg	21	399.2	22	416.2	21	397.3	26	494.2	17	325.3	12	228.1	24	461.9	22	427.5
Jim Wells	211	519.3	234	572.3	225	550.3	247	592.7	236	566.0	218	525.8	156	376.3	80	194.4
Johnson	314	208.5	338	223.5	427	282.3	430	280.5	433	280.2	419	267.0	539	337.6	449	275.0
Jones	37	184.1	43	212.6	35	173.1	41	206.3	114	569.5	30	151.1	55	275.4	16	80.0
Karnes	42	283.7	19	127.9	35	235.5	34	228.8	44	299.1	55	371.1	33	216.0	20	131.1

*Rates represent cases per 100,000 population.

Chlamydia Cases and Rates by County of Residence, 2009-2016

County	2009		2010		2011		2012		2013		2014		2015		2016	
	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*
Kaufman	307	301.8	304	292.6	315	299.15	288	270.01	327	301.45	283	254.51	363	317.11	371	313.5
Kendall	80	245.0	73	216.9	81	234.61	90	251.64	100	266.94	89	229.2	74	182.93	41	96.4
Kenedy	0	0.0	0	0.0	0	0	0	0	0	0	0	0	0	0	0	0.0
Kent	1	126.1	0	0.0	1	122.4	1	119.62	0	0	0	0	2	259.74	1	130.0
Kerr	95	192.2	99	199.4	122	245.83	112	225.12	112	224.75	119	235.99	68	133.3	55	106.8
Kimble	4	86.5	2	43.6	5	108.77	6	132.13	8	179.13	11	247.8	9	204.82	17	384.4
King	0	0.0	0	0.0	0	0	1	367.65	0	0	0	0	0	0	0	0.0
Kinney	3	84.1	6	166.9	1	27.755	7	193.05	10	277.09	9	256.41	11	309.34	5	139.3
Kleberg	215	674.5	212	661.3	207	645.7	195	607.21	186	580.11	185	579.1	228	722.2	244	770.0
Knox	11	301.6	6	161.2	9	240.64	7	186.12	11	292.24	12	311.61	7	181.77	11	289.0
Lamar	229	461.7	271	544.0	246	492.54	197	395.29	203	411.95	259	522.32	200	402.93	297	596.5
Lamb	55	398.8	60	428.6	57	404.43	68	488.61	52	378.95	42	310.03	50	374.76	57	429.4
Lampasas	34	173.0	67	339.1	78	390.98	80	397.67	62	306.98	88	435.56	72	351.13	84	404.6
La Salle	11	162.5	15	217.4	12	171.55	22	308.08	21	282.68	16	214.22	23	301.13	17	223.3
Lavaca	27	140.4	22	114.3	30	156.12	30	154.33	26	133.16	39	198.21	26	131.17	32	161.5
Lee	37	223.4	39	234.9	38	228.86	56	338.31	50	301.44	39	233.93	43	254.41	27	158.3
Leon	20	118.6	30	179.2	42	249.44	40	238.83	51	305.98	53	315.61	45	263.13	54	312.2
Liberty	188	250.5	218	287.5	223	293.2	203	265.62	252	327.39	241	308.22	245	307.42	311	380.6
Limestone	104	448.8	94	400.6	124	526.38	100	423.03	89	380.96	103	439.1	91	388.54	82	349.4
Lipscomb	2	60.1	4	121.8	4	119.58	2	57.854	4	114.81	2	56.259	7	197.02	2	57.4
Live Oak	25	219.1	19	164.5	26	225.46	27	231.11	29	244.75	31	256.73	35	286.44	64	530.9
Llano	22	114.7	32	165.4	44	232.21	30	157.05	25	129.14	34	174.74	26	131.06	20	98.2
Loving	0	0.0	0	0.0	1	1052.6	0	0	0	0	0	0	0	0	1	885.0
Lubbock	1,683	613.7	1,864	665.0	1,903	671.32	1,771	618.71	1,812	624.89	1,988	673.78	2,063	689.95	2,135	704.3
Lynn	15	253.1	12	203.3	17	289.07	22	381.08	18	316.12	17	296.01	29	509.22	18	315.2
McCulloch	21	251.0	25	303.8	19	229.58	30	362.63	31	374.8	21	256.82	26	312.69	21	257.0
McLennan	1,319	569.3	1,533	649.7	1,634	687.18	1,671	698.04	1,558	645.32	1,449	596.26	1,617	659.45	1,757	708.7
McMullen	0	0.0	2	280.5	0	0	0	0	1	131.06	3	375.47	1	121.21	1	124.4
Madison	36	267.0	34	247.4	43	313.07	49	357.27	57	413.46	71	514.16	63	452.72	53	378.9
Marion	22	206.2	22	209.6	34	325.67	24	232.63	24	234.51	24	237.29	30	295.8	40	394.2
Martin	19	403.4	10	207.7	11	223.94	11	219.82	18	339.75	10	181.65	8	139.79	12	209.7
Mason	0	0.0	3	74.7	6	148.99	0	0	5	122.22	2	49.237	6	149.44	2	48.6
Matagorda	89	243.3	101	275.2	98	267.02	122	333.7	174	476.54	120	328.79	107	290.45	112	301.2
Maverick	150	280.7	160	293.6	214	387.16	244	438.09	234	414.78	273	479.66	292	508.36	296	513.1
Medina	118	258.7	126	273.1	140	300.95	132	281.99	145	306.74	114	238.25	88	181.87	92	186.7
Menard	4	179.6	5	223.6	6	269.91	3	134.71	0	0	1	46.425	2	92.635	0	0.0
Midland	728	534.4	811	592.1	816	582.6	822	558.66	920	605.06	916	586.96	859	532.64	863	530.9
Milam	111	446.4	128	518.5	122	495.37	128	530.28	119	492.63	127	524.58	134	547.3	124	498.6
Mills	15	307.6	2	40.4	9	184.8	7	144.93	8	164.14	13	267.54	12	245.75	6	122.3
Mitchell	20	212.8	14	148.7	17	180.95	19	203.86	32	355.52	26	286.56	32	361.17	24	275.2
Montague	20	101.2	27	137.0	33	167.16	22	112.99	29	149.62	40	206.33	32	166.07	28	144.2
Montgomery	790	177.2	878	191.2	845	179.18	893	184.25	879	176.17	1,024	197.69	1,273	237.31	1,428	256.7
Moore	71	329.1	78	354.5	101	457.14	90	401.55	81	364.82	71	320.6	83	376.45	66	298.4
Morris	37	285.6	43	332.9	29	226.42	59	463	49	384.4	52	409.97	36	288.07	56	444.7
Motley	1	83.3	7	580.4	0	0	1	83.612	1	83.822	2	173.76	0	0	1	86.2
Nacogdoches	351	548.3	345	533.5	485	738.8	470	713.7	404	619.64	475	727.66	402	612.42	581	882.9
Navarro	264	554.8	276	576.7	303	630.09	290	602.97	225	468.54	205	427.17	241	499.43	240	494.6
Newton	35	242.3	37	256.4	49	338.21	34	237.43	22	154.8	24	169.65	31	221.32	35	249.9
Nolan	59	390.0	74	485.4	61	403.36	83	557.76	87	577.8	101	668.79	71	471.76	99	660.3
Nueces	2,079	614.7	2,383	700.2	2,558	745.36	2,603	748.38	2,557	724.92	2,531	710.31	2,418	671.45	2,587	715.9
Ochiltree	20	195.6	14	137.6	23	220.64	18	170.47	29	272.27	33	309.19	32	299.12	29	281.4
Oldham	1	49.0	1	48.8	2	96.246	7	342.47	2	95.648	3	144.51	0	0	3	144.5
Orange	189	231.7	281	342.6	266	322.92	250	301.26	248	298.71	202	241.91	270	320.35	232	273.1
Palo Pinto	52	185.2	73	260.1	63	224.14	54	193.92	56	201.06	78	278.79	65	233.13	96	342.2
Panola	55	232.3	73	306.9	86	357.69	94	391.5	107	449.03	92	386.44	101	425.85	82	349.1
Parker	188	162.3	208	177.2	287	242.13	337	281.35	281	233.93	280	228.41	366	290.28	338	261.1
Parmer	29	287.6	12	116.8	27	262.34	40	393.74	30	301.02	22	221.82	31	316.71	34	347.8
Pecos	73	471.3	66	425.0	54	345.53	69	443.16	62	395.66	54	340.44	50	311.35	55	344.4
Polk	93	204.2	98	215.5	103	225.34	129	281.44	109	237.2	143	309.33	163	346.93	145	302.6
Potter	1,038	864.2	1,084	892.8	956	781.2	1,172	954.46	1,268	1037	1,174	961.14	1,004	827.2	947	783.7
Presidio	21	276.6	10	127.0	19	245.26	22	291.12	18	247.18	19	269.89	22	319.72	23	330.6
Rains	11	100.4	20	183.0	9	81.655	20	182.75	17	154.17	31	281.36	26	233.52	26	229.8
Randall	366	307.3	338	278.9	319	258.6	378	302.66	448	353.72	381	296.07	310	237.94	227	171.3
Reagan	10	296.1	11	328.6	9	265.88	16	461.89	12	333.52	15	402.58	20	536.05	16	443.5

*Rates represent cases per 100,000 population.

Chlamydia Cases and Rates by County of Residence, 2009-2016

County	2009		2010		2011		2012		2013		2014		2015		2016	
	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*
Real	16	488.7	5	150.6	14	408.9	12	356.1	12	361.0	12	357.7	9	272.7	4	118.0
Red River	48	374.0	34	264.5	13	102.3	51	400.9	41	328.0	35	280.9	42	339.1	43	352.3
Reeves	32	236.2	22	159.2	30	217.8	46	330.3	66	467.2	76	526.7	66	446.3	69	462.4
Refugio	18	242.9	34	462.0	20	273.3	35	482.7	26	357.1	24	325.9	37	502.8	31	423.4
Roberts	0	0.0	1	108.2	2	214.4	0	0.0	4	433.8	1	108.6	0	0.0	1	109.2
Robertson	73	439.7	66	398.3	97	582.0	105	638.3	89	542.0	109	664.0	93	558.6	115	686.5
Rockwall	102	133.1	113	143.2	123	151.7	141	170.1	158	185.8	151	172.6	184	202.9	194	206.4
Runnels	27	259.8	25	237.9	30	284.0	22	211.1	19	184.9	23	221.6	26	247.0	18	172.3
Rusk	129	244.3	119	223.1	144	268.2	132	245.4	149	279.3	118	221.9	120	226.7	144	273.1
Sabine	26	242.5	25	230.1	28	262.0	29	277.0	35	338.1	18	174.2	26	250.5	26	252.4
San Augustine	22	246.1	24	271.3	38	430.3	30	339.8	23	264.1	41	480.4	30	357.8	32	384.6
San Jacinto	32	122.7	57	215.5	38	141.7	60	222.2	43	160.6	37	136.7	82	300.2	99	357.3
San Patricio	254	386.3	294	455.9	290	449.8	256	391.8	280	422.5	251	375.1	194	288.0	166	245.4
San Saba	12	199.1	15	244.6	18	297.9	9	150.4	10	175.2	12	205.9	8	134.6	19	319.7
Schleicher	4	120.8	11	314.4	6	181.6	6	184.3	13	407.1	4	126.7	1	31.3	4	130.9
Scurry	57	339.2	57	336.5	67	397.3	81	474.2	93	539.8	88	507.0	81	461.1	37	213.5
Shackelford	7	208.2	5	148.4	7	210.8	6	179.4	2	59.7	6	182.4	7	211.1	11	331.8
Shelby	91	356.6	69	271.3	80	311.1	103	395.8	75	289.5	80	312.6	83	326.5	80	312.8
Sherman	5	165.7	7	231.2	2	66.0	5	163.3	6	194.7	10	325.4	3	98.0	1	32.6
Smith	968	467.4	1,015	482.3	1,094	514.4	969	451.2	1,077	497.4	1,132	515.3	896	402.7	1,145	508.2
Somervell	19	225.8	15	176.5	12	142.0	19	221.2	23	267.0	13	150.2	18	206.2	16	182.3
Starr	231	382.6	197	322.1	202	327.5	132	213.3	209	335.1	170	269.7	172	270.3	263	410.2
Stephens	8	82.7	12	124.9	14	146.8	18	190.0	24	244.1	17	173.2	21	212.0	32	323.0
Sterling	3	258.6	4	351.5	4	341.9	3	251.9	0	0.0	1	73.6	2	147.2	1	73.2
Stonewall	0	0.0	2	133.8	2	135.3	2	136.3	3	209.9	1	71.4	2	141.6	3	210.4
Sutton	9	210.7	11	271.0	7	174.4	13	330.6	18	449.7	12	302.0	6	153.7	6	155.1
Swisher	31	403.6	32	405.5	37	472.4	28	355.4	27	348.4	23	303.2	21	279.5	3	40.2
Tarrant	7,761	435.0	7,882	433.6	7,972	431.3	8,392	445.8	8,622	450.8	8,334	428.6	8,829	445.6	8,840	438.3
Taylor	583	447.6	677	513.4	656	493.7	627	467.4	634	472.9	622	460.4	653	479.0	647	473.9
Terrell	0	0.0	1	99.1	4	420.2	0	0.0	1	112.6	2	221.0	0	0.0	0	0.0
Terry	61	486.1	44	347.4	55	434.8	63	499.8	59	465.0	49	383.6	63	493.9	49	382.8
Throckmorton	0	0.0	1	61.3	2	122.0	2	124.7	3	186.9	1	62.1	1	64.1	2	130.5
Titus	119	374.8	128	395.1	123	379.4	117	358.3	114	349.7	126	388.6	82	250.8	124	380.5
Tom Green	572	525.4	617	557.5	684	611.9	668	589.0	649	565.0	658	563.8	729	618.1	687	580.3
Travis	5,980	594.1	5,915	574.0	6,206	584.4	6,699	611.2	6,719	599.4	6,990	608.0	7,780	662.2	8,453	704.8
Trinity	20	138.2	32	217.5	25	170.5	29	202.6	40	277.9	34	238.9	35	242.7	35	242.3
Tyler	28	128.8	28	128.8	44	203.2	52	242.5	36	167.8	36	168.5	39	183.3	46	215.8
Upshur	99	253.3	109	276.8	97	244.0	88	220.3	127	319.1	122	302.9	72	177.9	123	300.2
Upton	12	360.7	5	149.5	8	243.8	11	337.6	10	297.4	9	260.6	14	386.1	12	326.7
Uvalde	107	408.0	144	544.5	196	737.0	206	769.8	168	624.0	139	511.2	94	346.7	119	436.1
Val Verde	176	363.2	143	291.8	166	339.1	245	501.4	190	388.1	222	455.4	228	466.7	196	401.0
Van Zandt	94	179.5	78	148.3	107	203.6	129	246.8	135	257.6	138	261.2	101	188.8	102	187.7
Victoria	340	392.5	377	434.0	502	573.9	498	559.1	479	531.8	485	532.5	472	511.7	410	443.4
Walker	201	301.1	299	438.4	298	436.1	351	512.5	415	598.7	349	499.8	421	597.1	404	565.2
Waller	149	354.0	182	419.0	138	313.5	164	370.0	163	359.1	157	335.6	202	415.4	222	443.0
Ward	36	335.4	25	235.8	38	355.6	36	331.3	50	444.7	42	362.0	54	462.8	33	284.5
Washington	108	322.8	169	501.2	145	426.8	159	468.5	164	479.2	179	518.9	165	471.4	183	522.0
Webb	885	359.9	1,026	408.2	994	389.1	1,032	397.3	1,076	408.2	1,274	477.9	1,127	419.1	1,097	404.5
Wharton	91	222.0	92	222.7	134	324.2	141	342.5	195	473.0	149	361.4	166	399.7	154	369.0
Wheeler	10	186.0	14	259.5	11	201.6	10	178.8	10	174.9	8	140.6	8	141.2	5	90.2
Wichita	677	517.1	688	522.0	653	499.0	641	486.3	672	507.2	612	459.9	666	506.4	769	583.3
Wilbarger	27	198.9	44	325.9	44	327.5	52	392.0	39	296.4	46	355.0	45	345.2	51	395.6
Willacy	92	420.8	97	436.9	68	307.3	115	519.4	87	395.9	127	579.7	83	379.3	71	325.5
Williamson	1,014	246.8	1,055	247.4	1,175	265.7	1,306	286.2	1,458	309.7	1,503	307.3	1,407	276.9	1,249	236.2
Wilson	65	154.1	66	153.2	108	247.0	122	274.4	104	228.9	98	211.2	99	208.6	72	148.5
Winkler	15	210.4	21	296.7	15	210.1	32	436.1	28	368.3	39	500.9	18	225.1	21	266.1
Wise	78	131.9	96	162.4	123	205.1	136	225.1	124	203.2	98	158.8	130	206.9	83	128.8
Wood	51	121.8	48	114.3	62	147.4	45	106.7	70	163.7	90	208.5	90	206.2	94	212.5
Yoakum	20	252.9	16	204.0	26	325.5	18	223.4	34	414.8	20	240.3	26	305.4	22	259.2
Young	37	200.4	34	183.4	37	201.6	39	213.1	32	174.2	42	229.2	44	241.4	47	258.9
Zapata	40	288.3	46	326.8	40	281.8	37	259.9	43	299.5	46	320.8	31	215.3	35	243.9
Zavala	55	476.4	74	631.8	52	439.6	77	643.7	70	576.2	46	377.8	43	351.7	14	116.4
Total	104,674	422.0	115,436	457.3	122,896	479.2	124,526	477.6	125,936	475.7	130,623	484.8	134,878	491.7	137,739	494.4

*Rates represent cases per 100,000 population.

Appendix B
Gonorrhea Cases and Rates
By County of Residence
2009-2016

Gonorrhea Cases and Rates by County of Residence, 2009-2016

County	2009		2010		2011		2012		2013		2014		2015		2016	
	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*
Anderson	49	83.9	52	88.9	78	133.7	52	89.6	58	100.2	47	81.4	60	104.4	80	138.6
Andrews	5	34.2	10	67.4	7	45.5	9	55.9	22	131.1	6	34.5	12	66.6	17	95.7
Angelina	111	129.0	119	136.9	133	152.4	162	185.1	138	157.9	153	174.6	121	137.6	144	164.0
Aransas	20	85.9	16	69.0	9	38.5	22	93.0	31	128.5	19	76.4	23	91.0	29	112.7
Archer	2	22.2	1	11.0	0	0.0	3	34.1	0	0.0	2	22.7	23	264.0	5	57.5
Armstrong	1	52.3	0	0.0	0	0.0	0	0.0	0	0.0	1	51.6	5	259.7	24	1,279.3
Atascosa	20	44.8	20	44.5	37	81.3	41	88.3	37	78.6	37	77.4	47	97.0	52	106.6
Austin	21	74.3	12	42.3	8	28.0	10	35.0	12	41.8	15	51.8	23	77.8	15	50.4
Bailey	2	28.4	1	14.0	2	27.8	0	0.0	2	28.0	5	71.7	7	96.8	3	41.8
Bandera	4	19.6	3	14.6	4	19.5	9	43.7	6	29.1	6	28.7	4	18.9	4	18.4
Bastrop	48	65.2	49	65.9	33	44.0	55	73.6	65	85.7	56	71.9	122	152.1	193	233.3
Baylor	4	107.4	2	53.8	1	26.9	1	27.6	1	27.7	2	55.6	4	109.0	2	54.1
Bee	24	75.3	15	47.0	18	55.7	18	55.5	28	85.4	29	88.2	37	113.2	59	180.2
Bell	1,156	384.0	1,154	368.7	1,071	338.8	1,123	347.6	1,447	443.0	1,037	314.9	1,178	351.8	1,408	413.6
Bexar	3,398	201.6	3,492	202.7	3,449	196.5	3,352	187.4	3,032	166.4	3,118	167.7	3,900	205.8	4,357	225.9
Blanco	1	9.7	2	19.0	0	0.0	1	9.4	3	28.2	4	36.9	7	63.3	14	122.9
Borden	0	0.0	0	0.0	0	0.0	0	0.0	1	157.0	0	0.0	0	0.0	0	0.0
Bosque	5	27.8	2	11.0	6	32.9	8	44.2	7	39.1	20	112.6	12	67.0	16	88.4
Bowie	185	200.6	181	195.3	160	172.2	184	197.6	235	251.5	260	278.2	228	243.8	293	312.2
Brazoria	134	43.3	180	57.2	182	57.0	179	55.2	265	80.3	232	68.7	213	61.6	260	73.4
Brazos	350	182.8	317	162.0	237	120.0	227	113.4	244	119.5	366	175.3	350	162.1	353	160.2
Brewster	2	22.1	3	32.4	10	106.9	7	75.7	4	43.1	5	54.8	13	142.9	7	76.1
Briscoe	1	61.2	0	0.0	1	60.6	0	0.0	1	64.6	0	0.0	1	66.5	2	135.7
Brooks	6	82.2	22	305.5	4	55.4	2	27.8	5	69.1	2	27.7	9	124.8	17	235.7
Brown	43	113.2	16	42.0	18	47.3	17	44.9	13	34.3	16	42.4	23	60.6	23	60.1
Burleson	22	128.8	16	92.9	16	92.8	21	121.2	15	87.3	26	150.4	20	114.1	27	152.0
Burnet	15	35.2	11	25.7	13	30.0	22	50.6	14	32.0	16	36.2	40	88.5	55	118.9
Caldwell	36	95.2	36	94.5	55	143.1	24	62.0	60	153.0	49	123.3	63	155.8	91	221.1
Calhoun	4	18.7	11	51.6	9	42.1	11	51.0	24	110.3	15	68.8	16	73.0	11	50.1
Callahan	3	22.1	5	37.0	3	22.2	2	14.8	6	44.4	2	14.8	9	66.2	13	94.1
Cameron	155	38.7	163	40.0	225	54.5	307	73.9	285	68.3	206	49.1	206	49.1	230	54.5
Camp	15	121.3	10	80.6	12	96.7	15	120.3	20	160.8	18	142.2	6	47.2	9	69.9
Carson	1	16.1	0	0.0	0	0.0	3	49.1	1	16.7	4	66.5	9	150.7	22	363.2
Cass	40	132.0	41	134.7	20	65.6	34	112.6	53	174.3	55	181.2	15	49.4	37	121.8
Castro	0	0.0	1	12.3	0	0.0	4	48.9	10	124.6	9	115.1	5	65.1	5	65.2
Chambers	8	23.4	10	28.2	3	8.4	7	19.2	3	8.1	10	26.3	17	43.9	19	47.6
Cherokee	60	118.9	59	115.9	71	139.2	58	113.3	61	119.7	71	139.2	74	143.9	73	141.3
Childress	3	42.7	3	42.5	3	42.8	0	0.0	5	71.0	7	99.2	16	227.0	18	255.2
Clay	0	0.0	2	18.6	2	18.7	1	9.5	4	38.3	2	19.3	1	9.7	6	58.9
Cochran	0	0.0	0	0.0	1	32.5	1	33.1	2	66.7	0	0.0	5	169.8	4	138.8
Coke	2	60.4	1	30.1	1	30.5	2	62.2	2	62.6	5	154.7	3	92.9	4	122.5
Coleman	4	45.1	2	22.5	0	0.0	0	0.0	3	35.2	2	23.8	3	36.0	6	71.3
Collin	282	36.8	374	47.4	402	49.3	384	45.9	384	44.8	408	46.1	547	59.9	667	71.0
Collingsworth	1	32.9	2	65.5	0	0.0	2	66.2	3	96.9	4	133.0	0	0.0	0	0.0
Colorado	15	72.2	9	43.1	13	62.5	12	58.0	25	120.7	13	62.9	14	67.0	14	66.6
Comal	44	41.4	48	43.9	51	45.5	44	38.3	66	55.6	41	33.2	77	59.6	109	80.9
Comanche	2	14.4	1	7.2	1	7.2	2	14.6	0	0.0	3	22.3	3	22.4	8	59.3
Concho	0	0.0	2	48.8	0	0.0	1	24.6	2	48.6	0	0.0	2	48.1	1	23.4
Cooke	22	57.3	21	54.6	30	78.1	24	61.9	16	41.6	35	90.3	22	56.3	29	73.9
Coryell	67	89.7	93	123.0	56	73.1	96	124.9	116	152.4	89	118.0	91	120.6	147	196.8
Cottle	1	66.3	2	132.8	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Crane	1	23.1	1	22.8	2	45.8	1	21.9	2	42.1	4	81.2	2	39.7	3	62.1
Crockett	0	0.0	0	0.0	0	0.0	1	26.9	2	53.1	1	26.3	2	53.4	4	108.8
Crosby	5	82.5	5	82.8	8	131.4	6	98.4	7	117.1	6	102.0	2	33.4	1	16.7
Culberson	2	83.9	2	83.4	0	0.0	2	86.6	0	0.0	1	44.2	0	0.0	2	91.0
Dallam	0	0.0	0	0.0	3	43.9	3	43.0	3	42.7	3	42.3	7	98.5	9	127.6
Dallas	4,258	181.5	4,973	209.6	5,100	211.9	4,500	183.5	4,835	195.0	5,715	227.5	5,332	209.4	5,775	224.3
Dawson	11	80.1	34	245.7	31	224.9	29	212.5	5	37.7	9	66.7	24	183.6	13	99.2
Deaf Smith	9	47.2	5	25.7	7	35.9	19	98.3	15	78.4	30	157.1	10	53.2	15	79.7
Delta	1	19.3	1	19.1	0	0.0	3	56.6	4	77.1	4	76.7	4	76.7	7	134.2
Denton	258	39.7	339	50.8	332	48.4	320	45.2	311	42.7	432	57.4	542	69.6	547	67.9
DeWitt	11	54.9	15	74.8	10	49.2	16	78.1	19	92.7	22	106.4	21	101.0	25	119.8
Dickens	0	0.0	0	0.0	1	41.8	1	43.2	0	0.0	1	45.4	1	45.5	0	0.0
Dimmit	2	20.3	3	29.9	4	39.6	4	38.1	9	82.5	21	190.5	11	100.0	5	46.3

*Rates represent cases per 100,000 population.

Gonorrhea Cases and Rates by County of Residence, 2009-2016

	2009		2010		2011		2012		2013		2014		2015		2016	
County	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*
Donley	3	81.7	6	160.8	3	81.4	1	27.4	3	84.1	1	28.5	1	29.4	1	29.4
Duval	6	50.3	5	42.7	14	118.7	2	17.3	8	68.9	11	95.4	11	96.5	22	192.5
Eastland	3	16.2	6	32.3	4	21.5	1	5.4	0	0.0	9	49.4	7	38.6	7	38.3
Ector	203	148.3	210	153.2	194	138.9	264	182.7	309	206.5	366	236.8	352	220.4	280	177.8
Edwards	1	49.7	1	50.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	52.3
Ellis	102	69.2	81	53.9	112	73.5	96	62.4	112	71.8	95	59.6	132	80.7	192	113.9
El Paso	516	65.6	828	103.0	744	90.8	892	107.4	724	87.1	674	80.8	532	63.8	274	32.7
Erath	5	13.3	6	15.8	26	66.7	9	22.8	13	32.5	24	59.0	20	48.3	35	84.0
Falls	46	259.0	37	207.0	30	168.2	35	199.4	33	191.8	22	128.3	20	116.6	33	191.0
Fannin	16	47.2	12	35.4	7	20.6	17	50.5	11	32.7	15	44.4	25	74.3	16	47.0
Fayette	12	49.0	17	69.3	12	48.5	10	40.5	4	16.1	12	48.3	7	27.9	20	79.5
Fisher	2	49.8	0	0.0	3	75.8	8	208.3	3	78.0	2	52.0	4	103.8	2	51.9
Floyd	5	76.8	7	109.3	3	46.9	5	78.5	4	63.7	3	50.2	8	135.6	8	135.2
Foard	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	82.3	0	0.0
Fort Bend	300	52.7	331	56.1	270	44.5	278	44.4	371	56.8	368	53.8	515	72.1	644	86.9
Franklin	9	84.9	7	66.1	6	57.0	2	18.9	11	104.1	11	104.5	9	85.3	12	113.1
Freestone	12	60.8	13	65.6	13	66.4	15	77.2	6	30.7	9	45.9	11	55.9	17	86.6
Frio	5	29.2	17	98.6	10	57.2	25	139.9	25	136.9	42	224.7	24	126.8	9	47.5
Gaines	5	29.1	8	45.5	4	22.2	3	16.3	8	42.3	8	41.2	4	19.7	5	24.4
Galveston	280	97.4	268	91.6	378	127.9	364	120.9	291	94.9	251	80.0	342	106.4	396	120.2
Garza	2	31.4	3	46.4	2	30.4	5	77.5	3	46.9	11	171.4	4	62.7	6	93.1
Gillespie	1	4.1	3	12.1	3	12.0	2	7.9	1	3.9	6	23.5	10	38.4	16	60.3
Glasscock	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	75.0	1	76.1
Goliad	3	41.9	2	27.7	5	69.4	5	68.2	6	80.6	3	40.0	9	119.6	11	146.3
Gonzales	32	163.0	25	126.3	28	141.8	30	150.7	33	163.9	15	73.6	14	68.1	12	57.5
Gray	7	30.8	2	8.9	4	17.7	12	52.6	12	52.3	20	85.4	18	77.5	9	39.6
Grayson	71	59.1	81	66.9	60	49.5	45	37.0	63	51.5	102	82.6	174	138.6	185	144.3
Gregg	379	312.6	305	250.0	363	296.5	333	271.1	302	245.4	326	265.1	370	298.8	380	307.1
Grimes	24	90.8	23	86.4	28	104.9	34	127.3	39	145.3	40	147.7	36	131.3	24	86.7
Guadalupe	118	92.0	75	56.6	79	58.1	76	54.4	100	69.8	82	55.7	55	36.4	72	46.4
Hale	23	64.0	41	112.9	36	98.9	43	118.5	66	184.6	43	124.5	74	216.4	53	154.7
Hall	4	119.7	2	59.7	1	30.2	1	30.5	9	282.8	0	0.0	2	64.2	1	31.9
Hamilton	0	0.0	0	0.0	2	23.8	2	24.1	4	48.4	2	24.5	1	12.3	2	24.1
Hansford	0	0.0	0	0.0	0	0.0	0	0.0	1	18.0	1	18.1	1	17.8	3	54.2
Hardeman	4	97.9	4	96.3	4	96.9	0	0.0	1	24.9	0	0.0	3	77.9	3	76.8
Hardin	18	33.2	8	14.6	14	25.4	20	36.3	20	36.1	25	45.0	44	78.8	45	79.9
Harris	5,509	136.5	6,049	147.2	5,783	138.4	6,541	153.6	6,458	148.6	7,190	161.9	7,502	165.5	8,221	179.1
Harrison	84	128.9	118	179.6	158	238.1	111	167.5	96	145.0	86	129.3	92	138.1	123	184.9
Hartley	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	17.4	2	34.8
Haskell	3	51.2	6	102.0	1	16.7	0	0.0	2	33.8	5	86.5	1	17.3	8	140.8
Hays	146	95.0	137	86.6	151	92.5	194	115.2	201	114.2	149	80.6	169	86.9	246	120.3
Hemphill	1	26.3	0	0.0	0	0.0	1	24.6	1	24.2	1	24.0	3	70.3	0	0.0
Henderson	51	65.2	28	35.6	41	52.1	59	74.7	50	63.6	53	66.9	79	99.5	75	93.9
Hidalgo	166	21.9	202	25.9	384	48.3	526	65.2	509	62.3	423	51.0	314	37.4	410	48.2
Hill	54	154.3	33	93.9	31	88.2	22	62.7	19	54.6	32	92.2	30	86.1	22	62.7
Hockley	22	95.3	30	131.3	34	148.0	32	138.5	59	251.3	28	118.8	40	170.5	22	94.5
Hood	9	17.7	3	5.9	9	17.5	6	11.5	10	18.9	19	35.3	33	59.6	29	51.0
Hopkins	17	48.7	20	56.8	23	65.1	34	96.1	25	70.6	31	86.5	51	141.0	42	115.4
Houston	22	93.0	11	46.4	16	68.5	20	86.4	9	39.6	13	57.3	15	66.2	24	105.5
Howard	57	163.4	47	134.2	64	182.9	58	163.4	50	138.1	42	115.0	55	147.8	77	209.8
Hudspeth	1	29.2	0	0.0	1	29.3	0	0.0	0	0.0	1	30.8	0	0.0	2	49.3
Hunt	61	71.5	55	63.7	70	80.7	93	106.8	99	113.1	107	120.6	127	141.4	130	141.2
Hutchinson	11	49.6	8	36.0	6	27.3	23	104.7	30	137.3	40	183.2	25	114.9	25	116.2
Irion	1	63.0	0	0.0	0	0.0	1	63.6	1	62.5	0	0.0	0	0.0	1	64.2
Jack	2	22.1	1	11.1	2	22.1	1	11.1	2	22.5	2	22.6	3	34.0	5	57.2
Jackson	20	142.0	12	85.2	4	28.5	5	35.0	5	34.2	10	67.8	8	53.9	7	47.1
Jasper	28	79.3	22	61.5	31	85.5	28	78.1	29	81.3	45	126.5	44	124.1	38	106.6
Jeff Davis	0	0.0	0	0.0	1	43.5	1	43.4	1	45.0	0	0.0	0	0.0	1	45.5
Jefferson	505	200.9	428	169.5	455	179.6	447	177.9	496	196.3	528	209.3	543	213.6	547	214.8
Jim Hogg	1	19.0	2	37.8	2	37.9	5	95.0	1	19.1	0	0.0	2	38.5	1	19.4
Jim Wells	29	71.4	42	102.7	36	87.3	35	84.0	36	86.3	38	91.7	27	65.1	7	17.0
Johnson	45	29.9	52	34.4	52	34.2	70	45.7	89	57.6	93	59.3	130	81.4	115	70.4
Jones	14	69.7	8	39.6	12	59.3	9	45.3	31	154.9	9	45.3	19	95.1	6	30.0
Karnes	0	0.0	4	26.9	6	40.1	6	40.4	6	40.8	19	128.2	5	32.7	4	26.2

* Rates represent cases per 100,000 population.

Gonorrhea Cases and Rates by County of Residence, 2009-2016

County	2009		2010		2011		2012		2013		2014		2015		2016	
	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*
Kaufman	71	69.8	72	69.3	76	72.176	54	50.626	58	53.469	80	71.948	85	74.254	106	89.6
Kendall	4	12.2	8	23.8	15	43.447	15	41.939	11	29.364	22	56.657	12	29.665	13	30.6
Kenedy	0	0.0	0	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	1	125.63	0	0	0	0	0	0.0
Kerr	11	22.3	11	22.2	12	24.18	11	22.11	21	42.14	26	51.561	5	9.8018	15	29.1
Kimble	0	0.0	1	21.8	0	0	0	0	0	0	2	45.055	3	68.275	4	90.4
King	0	0.0	0	0.0	0	0	0	0	0	0	0	0	0	0	0	0.0
Kinney	1	28.0	1	27.8	0	0	0	0	6	166.25	0	0	2	56.243	0	0.0
Kleberg	25	78.4	25	78.0	30	93.58	25	77.848	33	102.92	32	100.17	44	139.37	39	123.1
Knox	2	54.8	1	26.9	1	26.738	4	106.35	1	26.567	6	155.8	1	25.967	4	105.1
Lamar	75	151.2	93	186.7	86	172.19	49	98.321	65	131.9	68	137.14	102	205.5	109	218.9
Lamb	16	116.0	10	71.4	9	63.857	11	79.04	16	116.6	16	118.11	17	127.42	21	158.2
Lampasas	15	76.3	12	60.7	22	110.28	20	99.418	14	69.317	12	59.394	18	87.783	36	173.4
La Salle	3	44.3	0	0.0	1	14.296	4	56.015	2	26.922	4	53.555	4	52.37	1	13.1
Lavaca	6	31.2	4	20.8	6	31.224	6	30.866	10	51.216	14	71.153	5	25.226	5	25.2
Lee	9	54.3	5	30.1	5	30.113	6	36.247	6	36.173	9	53.983	8	47.332	2	11.7
Leon	8	47.4	13	77.6	13	77.206	8	47.767	5	29.998	13	77.413	16	93.556	16	92.5
Liberty	29	38.6	46	60.7	44	57.851	42	54.956	33	42.872	40	51.156	61	76.541	74	90.6
Limestone	35	151.0	33	140.6	44	186.78	32	135.37	18	77.048	26	110.84	30	128.09	37	157.7
Lipscomb	1	30.1	1	30.5	0	0	0	0	0	0	1	28.129	0	0	1	28.7
Live Oak	2	17.5	0	0.0	6	52.029	3	25.678	3	25.319	8	66.253	9	73.656	13	107.8
Llano	6	31.3	4	20.7	2	10.555	3	15.705	9	46.49	1	5.1395	12	60.49	13	63.8
Loving	0	0.0	0	0.0	0	0	0	0	0	0	0	0	0	0	0	0.0
Lubbock	483	176.1	638	227.6	664	234.24	626	218.7	715	246.58	756	256.23	898	300.33	821	270.8
Lynn	2	33.7	4	67.8	4	68.016	3	51.966	4	70.249	7	121.89	7	122.91	5	87.6
McCulloch	2	23.9	0	0.0	3	36.249	0	0	1	12.09	2	24.459	4	48.106	9	110.1
McLennan	451	194.7	410	173.8	460	193.45	544	227.25	536	222.01	466	191.76	573	233.68	628	253.3
McMullen	0	0.0	0	0.0	0	0	0	0	0	0	0	0	0	0	0	0.0
Madison	12	89.0	11	80.0	18	131.05	9	65.622	10	72.537	17	123.11	9	64.674	11	78.6
Marion	9	84.4	15	142.9	11	105.36	9	87.235	8	78.171	6	59.324	9	88.74	5	49.3
Martin	4	84.9	4	83.1	2	40.717	3	59.952	5	94.375	3	54.496	1	17.473	3	52.4
Mason	0	0.0	0	0.0	0	0	0	0	0	0	1	24.618	2	49.813	1	24.3
Matagorda	32	87.5	24	65.4	25	68.118	32	87.527	41	112.29	38	104.12	18	48.86	34	91.4
Maverick	7	13.1	11	20.2	7	12.664	8	14.364	42	74.448	37	65.009	23	40.042	21	36.4
Medina	24	52.6	6	13.0	26	55.891	74	158.08	32	67.695	22	45.979	14	28.935	17	34.5
Menard	0	0.0	0	0.0	0	0	0	0	0	0	0	0	0	0	1	47.1
Midland	229	168.1	248	181.1	193	137.8	250	169.91	250	164.42	311	199.28	269	166.8	167	102.7
Milam	30	120.7	21	85.1	14	56.846	31	128.43	28	115.91	24	99.133	41	167.46	30	120.6
Mills	2	41.0	0	0.0	0	0	0	0	0	0	0	0	0	0	0	0.0
Mitchell	6	63.8	5	53.1	2	21.288	4	42.918	4	44.44	10	110.22	1	11.287	5	57.3
Montague	3	15.2	4	20.3	7	35.457	3	15.408	5	25.796	8	41.267	6	31.138	3	15.5
Montgomery	142	31.9	130	28.3	134	28.414	155	31.98	166	33.27	160	30.889	241	44.926	340	61.1
Moore	8	37.1	3	13.6	5	22.631	5	22.308	17	76.566	7	31.608	17	77.104	16	72.3
Morris	16	123.5	16	123.9	10	78.076	15	117.71	13	101.98	17	134.03	15	120.03	20	158.8
Motley	0	0.0	1	82.9	0	0	0	0	1	83.822	0	0	0	0	1	86.2
Nacogdoches	119	185.9	132	204.1	151	230.02	169	256.63	113	173.32	97	148.6	76	115.78	146	221.9
Navarro	70	147.1	74	154.6	93	193.4	100	207.92	74	154.1	59	122.94	111	230.03	73	150.4
Newton	9	62.3	11	76.2	11	75.925	11	76.816	10	70.363	4	28.275	6	42.836	6	42.8
Nolan	35	231.4	24	157.4	23	152.09	27	181.44	20	132.83	33	218.51	32	212.62	29	193.4
Nueces	455	134.5	482	141.6	577	168.13	749	215.34	735	208.38	718	201.5	567	157.45	586	162.2
Ochiltree	0	0.0	1	9.8	1	9.5932	3	28.412	2	18.778	2	18.739	7	65.433	8	77.6
Oldham	0	0.0	0	0.0	0	0	1	48.924	1	47.824	1	48.17	0	0	0	0.0
Orange	37	45.4	82	100.0	63	76.48	51	61.458	57	68.656	65	77.842	79	93.732	78	91.8
Palo Pinto	6	21.4	4	14.2	3	10.673	4	14.365	4	14.362	7	25.02	16	57.385	28	99.8
Panola	15	63.3	19	79.9	24	99.821	41	170.76	32	134.29	23	96.61	43	181.3	35	149.0
Parker	19	16.4	11	9.4	40	33.746	32	26.716	44	36.63	71	57.919	114	90.415	71	54.9
Parmer	2	19.8	0	0.0	0	0	8	78.748	4	40.136	2	20.165	7	71.516	6	61.4
Pecos	9	58.1	11	70.8	3	19.196	7	44.958	11	70.198	9	56.739	10	62.27	29	181.6
Polk	28	61.5	15	33.0	28	61.258	18	39.271	21	45.699	38	82.199	30	63.852	43	89.7
Potter	376	313.0	381	313.8	262	214.09	404	329.01	452	369.67	558	456.83	502	413.6	459	379.9
Presidio	0	0.0	0	0.0	3	38.725	0	0	1	13.732	1	14.205	5	72.664	8	115.0
Rains	0	0.0	4	36.6	2	18.146	0	0	2	18.137	11	99.837	6	53.889	7	61.9
Randall	87	73.1	70	57.8	54	43.776	66	52.845	131	103.43	141	109.57	115	88.269	75	56.6
Reagan	3	88.8	2	59.7	1	29.542	1	28.868	4	111.17	1	26.838	3	80.407	2	55.4

*Rates represent cases per 100,000 population.

Gonorrhea Cases and Rates by County of Residence, 2009-2016

County	2009		2010		2011		2012		2013		2014		2015		2016	
	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*
Real	0	0.0	1	30.1	2	58.4	1	29.7	2	60.2	3	89.4	0	0.0	2	59.0
Red River	10	77.9	6	46.7	6	47.2	14	110.0	9	72.0	2	16.1	10	80.7	4	32.8
Reeves	9	66.4	4	29.0	5	36.3	2	14.4	5	35.4	5	34.7	12	81.1	15	100.5
Refugio	5	67.5	0	0.0	8	109.3	11	151.7	9	123.6	7	95.1	2	27.2	2	27.3
Roberts	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	108.6	0	0.0	0	0.0
Robertson	35	210.8	39	235.4	34	204.0	27	164.1	34	207.1	41	249.8	32	192.2	30	179.1
Rockwall	22	28.7	21	26.6	26	32.1	18	21.7	20	23.5	21	24.0	39	43.0	40	42.6
Runnels	0	0.0	1	9.5	0	0.0	3	28.8	6	58.4	5	48.2	5	47.5	3	28.7
Rusk	35	66.3	37	69.4	42	78.2	62	115.2	44	82.5	34	63.9	28	52.9	44	83.4
Sabine	10	93.3	4	36.8	3	28.1	1	9.6	5	48.3	2	19.4	5	48.2	5	48.5
San Augustine	14	156.6	9	101.8	16	181.2	13	147.2	12	137.8	5	58.6	4	47.7	8	96.2
San Jacinto	6	23.0	7	26.5	4	14.9	8	29.6	12	44.8	6	22.2	21	76.9	18	65.0
San Patricio	42	63.9	43	66.7	35	54.3	45	68.9	61	92.0	41	61.3	38	56.4	32	47.3
San Saba	0	0.0	1	16.3	1	16.6	2	33.4	1	17.5	1	17.2	1	16.8	4	67.3
Schleicher	1	30.2	1	28.6	2	60.5	2	61.4	1	31.3	2	63.4	0	0.0	1	32.7
Scurry	18	107.1	7	41.3	9	53.4	18	105.4	32	185.7	27	155.6	27	153.7	14	80.8
Shackelford	1	29.7	0	0.0	2	60.2	4	119.6	0	0.0	3	91.2	2	60.3	4	120.7
Shelby	27	105.8	20	78.6	25	97.2	23	88.4	18	69.5	20	78.1	13	51.1	13	50.8
Sherman	0	0.0	0	0.0	0	0.0	0	0.0	1	32.5	1	32.5	1	32.7	1	32.6
Smith	396	191.2	353	167.7	387	182.0	349	162.5	385	177.8	357	162.5	323	145.2	440	195.3
Somervell	0	0.0	2	23.5	1	11.8	4	46.6	2	23.2	4	46.2	3	34.4	3	34.2
Starr	18	29.8	11	18.0	25	40.5	11	17.8	16	25.7	18	28.6	14	22.0	26	40.5
Stephens	2	20.7	5	52.1	1	10.5	2	21.1	1	10.2	1	10.2	10	101.0	5	50.5
Sterling	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2	147.2	0	0.0
Stonewall	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	70.8	1	70.1
Sutton	0	0.0	0	0.0	0	0.0	1	25.4	2	50.0	1	25.2	3	76.8	2	51.7
Swisher	6	78.1	12	152.1	10	127.7	7	88.9	10	129.0	5	65.9	3	39.9	2	26.8
Tarrant	2,419	135.6	2,547	140.1	2,216	119.9	2,158	114.6	2,232	116.7	2,606	134.0	2,883	145.5	3,000	148.7
Taylor	162	124.4	184	139.5	145	109.1	127	94.7	125	93.2	146	108.1	292	214.2	243	178.0
Terrell	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	123.2
Terry	11	87.6	14	110.5	18	142.3	11	87.3	15	118.2	7	54.8	36	282.2	24	187.5
Throckmorton	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Titus	31	97.6	39	120.4	37	114.1	32	98.0	17	52.1	15	46.3	20	61.2	21	64.4
Tom Green	94	86.3	108	97.6	135	120.8	121	106.7	214	186.3	245	209.9	212	179.7	242	204.4
Travis	1,456	144.7	1,453	141.0	1,482	139.6	1,648	150.3	1,924	171.6	2,124	184.7	2,429	206.8	2,732	227.8
Trinity	4	27.6	8	54.4	1	6.8	8	55.9	10	69.5	9	63.2	8	55.5	14	96.9
Tyler	6	27.6	9	41.4	7	32.3	6	28.0	14	65.3	11	51.5	10	47.0	16	75.0
Upshur	18	46.1	43	109.2	33	83.0	23	57.6	29	72.9	37	91.9	28	69.2	34	83.0
Upton	4	120.2	1	29.9	0	0.0	0	0.0	3	89.2	3	86.9	4	110.3	0	0.0
Uvalde	10	38.1	10	37.8	12	45.1	36	134.5	18	66.9	36	132.4	27	99.6	15	55.0
Val Verde	16	33.0	30	61.2	17	34.7	20	40.9	26	53.1	27	55.4	24	49.1	25	51.1
Van Zandt	9	17.2	15	28.5	28	53.3	30	57.4	34	64.9	40	75.7	27	50.5	28	51.5
Victoria	134	154.7	67	77.1	98	112.0	118	132.5	151	167.6	142	155.9	106	114.9	95	102.7
Walker	55	82.4	80	117.3	63	92.2	120	175.2	132	190.4	89	127.4	98	139.0	87	121.7
Waller	52	123.6	52	119.7	38	86.3	48	108.3	43	94.7	29	62.0	40	82.3	71	141.7
Ward	9	83.8	3	28.3	8	74.9	21	193.3	7	62.3	9	77.6	19	162.8	7	60.3
Washington	58	173.3	51	151.3	34	100.1	50	147.3	45	131.5	60	173.9	45	128.6	46	131.2
Webb	50	20.3	51	20.3	68	26.6	61	23.5	87	33.0	96	36.0	88	32.7	114	42.0
Wharton	24	58.5	31	75.0	30	72.6	48	116.6	42	101.9	29	70.3	36	86.7	33	79.1
Wheeler	0	0.0	0	0.0	0	0.0	3	53.6	0	0.0	3	52.7	1	17.6	4	72.1
Wichita	175	133.7	140	106.2	157	120.0	226	171.5	221	166.8	152	114.2	152	115.6	268	203.3
Wilbarger	13	95.8	13	96.3	9	67.0	10	75.4	6	45.6	3	23.2	13	99.7	7	54.3
Willacy	8	36.6	6	27.0	6	27.1	17	76.8	12	54.6	14	63.9	4	18.3	9	41.3
Williamson	225	54.8	204	47.8	203	45.9	225	49.3	300	63.7	312	63.8	314	61.8	312	59.0
Wilson	12	28.4	17	39.5	24	54.9	25	56.2	18	39.6	16	34.5	11	23.2	27	55.7
Winkler	0	0.0	4	56.5	5	70.0	5	68.1	6	78.9	6	77.1	9	112.6	5	63.3
Wise	6	10.1	15	25.4	15	25.0	16	26.5	21	34.4	25	40.5	30	47.7	18	27.9
Wood	20	47.8	11	26.2	18	42.8	13	30.8	22	51.4	35	81.1	43	98.5	24	54.3
Yoakum	1	12.6	2	25.5	4	50.1	3	37.2	3	36.6	4	48.1	5	58.7	6	70.7
Young	3	16.2	6	32.4	4	21.8	3	16.4	2	10.9	11	60.0	6	32.9	12	66.1
Zapata	4	28.8	0	0.0	2	14.1	0	0.0	1	7.0	1	7.0	1	6.9	0	0.0
Zavala	8	69.3	3	25.6	1	8.5	3	25.1	4	32.9	5	41.1	7	57.3	1	8.3
Total	28,833	116.3	30,737	121.8	30,646	119.5	32,046	122.9	33,340	125.9	35,413	131.4	37,741	137.6	40,971	147.0

*Rates represent cases per 100,000 population.

Appendix C
Total Syphilis Cases and Rates
By County of Residence
2009-2016

Total Syphilis Cases and Rates by County of Residence, 2009-2016

County	2009		2010		2011		2012		2013		2014		2015		2016	
	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*
Anderson	21	36.0	21	35.9	6	10.3	9	15.5	7	12.1	1	1.7	11	19.1	9	15.6
Andrews	0	0.0	2	13.5	2	13.0	1	6.2	3	17.9	0	0.0	1	5.5	3	16.9
Angelina	16	18.6	28	32.2	17	19.5	10	11.4	17	19.4	9	10.3	13	14.8	15	17.1
Aransas	0	0.0	3	12.9	0	0.0	7	29.6	1	4.1	17	68.3	9	35.6	6	23.3
Archer	0	0.0	2	22.0	4	45.3	3	34.1	1	11.4	0	0.0	1	11.5	0	0.0
Armstrong	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2	103.9	7	373.1
Atascosa	6	13.4	7	15.6	7	15.4	9	19.4	16	34.0	11	23.0	16	33.0	33	67.6
Austin	3	10.6	2	7.0	5	17.5	2	7.0	3	10.4	2	6.9	1	3.4	2	6.7
Bailey	0	0.0	1	14.0	0	0.0	0	0.0	0	0.0	1	14.3	1	13.8	0	0.0
Bandera	1	4.9	1	4.9	1	4.9	0	0.0	0	0.0	0	0.0	4	18.9	0	0.0
Bastrop	3	4.1	18	24.2	6	8.0	7	9.4	8	10.5	6	7.7	14	17.5	13	15.7
Baylor	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	27.2	0	0.0
Bee	27	84.7	9	28.2	18	55.7	4	12.3	21	64.1	21	63.9	6	18.4	12	36.6
Bell	34	11.3	46	14.7	34	10.8	51	15.8	116	35.5	106	32.2	85	25.4	79	23.2
Bexar	709	42.1	655	38.0	703	40.0	931	52.1	1,110	60.9	896	48.2	962	50.8	975	50.6
Blanco	0	0.0	1	9.5	2	18.9	0	0.0	0	0.0	0	0.0	0	0.0	5	43.9
Borden	0	0.0	0	0.0	0	0.0	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	5.5	0	0.0	1	5.6	1	5.6	0	0.0
Bowie	120	130.1	124	133.8	83	89.4	31	33.3	26	27.8	18	19.3	24	25.7	17	18.1
Brazoria	26	8.4	24	7.6	34	10.6	32	9.9	27	8.2	47	13.9	41	11.9	41	11.6
Brazos	32	16.7	31	15.8	27	13.7	14	7.0	20	9.8	35	16.8	32	14.8	41	18.6
Brewster	0	0.0	0	0.0	1	10.7	1	10.8	0	0.0	0	0.0	1	11.0	1	10.9
Briscoe	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Brooks	0	0.0	0	0.0	0	0.0	0	0.0	1	13.8	1	13.8	5	69.3	0	0.0
Brown	2	5.3	1	2.6	0	0.0	1	2.6	1	2.6	3	8.0	2	5.3	1	2.6
Burleson	0	0.0	1	5.8	0	0.0	1	5.8	2	11.6	6	34.7	0	0.0	0	0.0
Burnet	2	4.7	5	11.7	6	13.8	2	4.6	7	16.0	5	11.3	6	13.3	7	15.1
Caldwell	1	2.6	2	5.2	5	13.0	5	12.9	5	12.8	17	42.8	11	27.2	19	46.2
Calhoun	0	0.0	0	0.0	1	4.7	2	9.3	1	4.6	1	4.6	2	9.1	1	4.6
Callahan	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Cameron	37	9.2	62	15.2	40	9.7	54	13.0	92	22.0	103	24.6	128	30.5	111	26.3
Camp	2	16.2	1	8.1	1	8.1	3	24.1	3	24.1	3	23.7	4	31.4	0	0.0
Carson	0	0.0	1	16.2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	16.5
Cass	8	26.4	15	49.3	21	68.8	8	26.5	2	6.6	3	9.9	5	16.5	3	9.9
Castro	2	25.5	0	0.0	0	0.0	0	0.0	1	12.5	0	0.0	0	0.0	1	13.0
Chambers	5	14.6	3	8.5	0	0.0	0	0.0	0	0.0	4	10.5	4	10.3	9	22.6
Cherokee	16	31.7	16	31.4	8	15.7	0	0.0	9	17.7	7	13.7	3	5.8	3	5.8
Childress	1	14.2	0	0.0	0	0.0	0	0.0	0	0.0	1	14.2	6	85.1	7	99.3
Clay	0	0.0	1	9.3	0	0.0	0	0.0	0	0.0	1	9.7	0	0.0	0	0.0
Cochran	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	34.2	1	34.0	0	0.0
Coke	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	31.0	0	0.0
Coleman	0	0.0	1	11.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Collin	74	9.7	53	6.7	59	7.2	97	11.6	66	7.7	91	10.3	119	13.0	136	14.5
Collingsworth	0	0.0	0	0.0	0	0.0	1	33.1	0	0.0	0	0.0	0	0.0	0	0.0
Colorado	9	43.3	8	38.3	4	19.2	1	4.8	4	19.3	2	9.7	2	9.6	1	4.8
Comal	8	7.5	15	13.7	9	8.0	13	11.3	12	10.1	31	25.1	14	10.8	20	14.8
Comanche	1	7.2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Concho	1	24.5	2	48.8	1	24.2	3	73.7	1	24.3	3	73.4	3	72.2	2	46.7
Cooke	1	2.6	0	0.0	3	7.8	1	2.6	1	2.6	1	2.6	3	7.7	2	5.1
Coryell	9	12.1	4	5.3	8	10.4	8	10.4	19	25.0	13	17.2	11	14.6	12	16.1
Cottle	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Crane	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	20.7
Crockett	1	26.7	0	0.0	0	0.0	0	0.0	0	0.0	3	79.0	1	26.7	0	0.0
Crosby	2	33.0	0	0.0	0	0.0	0	0.0	0	0.0	1	17.0	0	0.0	0	0.0
Culberson	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	44.8	1	45.5
Dallam	0	0.0	0	0.0	0	0.0	0	0.0	1	14.2	0	0.0	1	14.1	0	0.0
Dallas	1,495	63.7	1,417	59.7	1,309	54.4	1,505	61.4	1,406	56.7	1,535	61.1	1,604	63.0	1,604	62.3
Dawson	3	21.8	3	21.7	0	0.0	2	14.7	1	7.5	0	0.0	0	0.0	2	15.3
Deaf Smith	0	0.0	3	15.4	1	5.1	0	0.0	4	20.9	6	31.4	13	69.1	12	63.7
Delta	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Denton	49	7.5	33	4.9	32	4.7	54	7.6	58	8.0	76	10.1	102	13.1	149	18.5
DeWitt	6	29.9	0	0.0	1	4.9	2	9.8	1	4.9	1	4.8	2	9.6	6	28.8
Dickens	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Dimmit	0	0.0	0	0.0	0	0.0	2	19.1	1	9.2	5	45.3	0	0.0	0	0.0

* Rates represent cases per 100,000 population.

Total Syphilis Cases and Rates by County of Residence, 2009-2016

County	2009		2010		2011		2012		2013		2014		2015		2016	
	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*
Donley	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Duval	3	25.2	1	8.5	0	0.0	1	8.6	2	17.2	0	0.0	3	26.3	2	17.5
Eastland	0	0.0	1	5.4	0	0.0	1	5.4	0	0.0	0	0.0	0	0.0	0	0.0
Ector	13	9.5	23	16.8	16	11.5	20	13.8	17	11.4	19	12.3	40	25.0	50	31.8
Edwards	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Ellis	24	16.3	19	12.6	31	20.3	23	15.0	24	15.4	22	13.8	16	9.8	24	14.2
El Paso	127	16.1	104	12.9	108	13.2	101	12.2	143	17.2	180	21.6	242	29.0	296	35.3
Erath	0	0.0	0	0.0	1	2.6	1	2.5	2	5.0	3	7.4	0	0.0	0	0.0
Falls	4	22.5	1	5.6	3	16.8	1	5.7	1	5.8	2	11.7	1	5.8	3	17.4
Fannin	5	14.8	3	8.8	2	5.9	2	5.9	6	17.8	10	29.6	7	20.8	4	11.8
Fayette	1	4.1	1	4.1	0	0.0	1	4.0	1	4.0	3	12.1	0	0.0	1	4.0
Fisher	0	0.0	0	0.0	0	0.0	0	0.0	1	26.0	0	0.0	0	0.0	0	0.0
Floyd	1	15.4	1	15.6	1	15.6	1	15.7	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	0	0.0	0	0.0	0	0.0
Fort Bend	105	18.4	92	15.6	81	13.3	79	12.6	54	8.3	99	14.5	114	16.0	124	16.7
Franklin	1	9.4	2	18.9	0	0.0	1	9.4	2	18.9	1	9.5	0	0.0	0	0.0
Freestone	8	40.5	1	5.0	1	5.1	1	5.1	2	10.2	1	5.1	1	5.1	2	10.2
Frio	4	23.4	5	29.0	1	5.7	3	16.8	7	38.3	8	42.8	6	31.7	5	26.4
Gaines	0	0.0	1	5.7	0	0.0	0	0.0	0	0.0	0	0.0	4	19.7	2	9.8
Galveston	103	35.8	85	29.1	67	22.7	59	19.6	57	18.6	59	18.8	61	19.0	61	18.5
Garza	3	47.1	3	46.4	9	136.8	9	139.5	16	250.0	3	46.7	7	109.7	7	108.7
Gillespie	1	4.1	0	0.0	1	4.0	0	0.0	2	7.9	2	7.8	1	3.8	6	22.6
Glasscock	0	0.0	0	0.0	1	81.2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Goliad	2	27.9	2	27.7	1	13.9	0	0.0	0	0.0	0	0.0	0	0.0	1	13.3
Gonzales	1	5.1	0	0.0	0	0.0	3	15.1	1	5.0	1	4.9	1	4.9	9	43.1
Gray	0	0.0	1	4.5	5	22.1	8	35.0	4	17.4	5	21.3	1	4.3	0	0.0
Grayson	7	5.8	10	8.3	8	6.6	7	5.8	23	18.8	8	6.5	7	5.6	9	7.0
Gregg	128	105.6	81	66.4	60	49.0	53	43.1	28	22.8	52	42.3	41	33.1	39	31.5
Grimes	3	11.4	3	11.3	1	3.7	1	3.7	1	3.7	3	11.1	4	14.6	4	14.5
Guadalupe	8	6.2	20	15.1	8	5.9	18	12.9	16	11.2	25	17.0	9	6.0	28	18.0
Hale	3	8.4	2	5.5	4	11.0	2	5.5	4	11.2	4	11.6	5	14.6	5	14.6
Hall	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Hamilton	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Hansford	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Hardeman	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Hardin	10	18.4	8	14.6	4	7.3	8	14.5	5	9.0	2	3.6	10	17.9	5	8.9
Harris	1,640	40.6	1,604	39.0	1,599	38.3	2,000	47.0	1,692	38.9	2,036	45.8	2,278	50.2	2,400	52.3
Harrison	12	18.4	18	27.4	14	21.1	10	15.1	4	6.0	10	15.0	7	10.5	6	9.0
Hartley	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Haskell	1	17.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	17.3	0	0.0
Hays	13	8.5	20	12.6	19	11.6	19	11.3	25	14.2	40	21.6	48	24.7	44	21.5
Hemphill	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Henderson	2	2.6	4	5.1	2	2.5	3	3.8	4	5.1	2	2.5	0	0.0	8	10.0
Hidalgo	89	11.7	98	12.6	123	15.5	85	10.5	105	12.9	172	20.7	228	27.2	232	27.3
Hill	4	11.4	1	2.8	4	11.4	3	8.6	3	8.6	1	2.9	0	0.0	5	14.3
Hockley	2	8.7	2	8.8	2	8.7	0	0.0	3	12.8	2	8.5	1	4.3	4	17.2
Hood	3	5.9	3	5.9	3	5.8	3	5.8	6	11.3	1	1.9	2	3.6	3	5.3
Hopkins	4	11.5	1	2.8	2	5.7	1	2.8	0	0.0	3	8.4	0	0.0	2	5.5
Houston	1	4.2	1	4.2	2	8.6	0	0.0	2	8.8	2	8.8	3	13.2	4	17.6
Howard	0	0.0	4	11.4	1	2.9	4	11.3	11	30.4	16	43.8	22	59.1	40	109.0
Hudspeth	0	0.0	0	0.0	1	29.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Hunt	9	10.6	2	2.3	4	4.6	9	10.3	8	9.1	6	6.8	6	6.7	12	13.0
Hutchinson	0	0.0	1	4.5	0	0.0	0	0.0	2	9.2	1	4.6	0	0.0	1	4.6
Irion	0	0.0	0	0.0	0	0.0	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	3	33.9	1	11.3	4	45.7
Jackson	0	0.0	1	7.1	0	0.0	4	28.0	3	20.5	1	6.8	0	0.0	2	13.5
Jasper	18	50.9	14	39.1	10	27.6	8	22.3	1	2.8	6	16.9	1	2.8	2	5.6
Jeff Davis	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Jefferson	351	139.7	154	61.0	147	58.0	116	46.2	89	35.2	71	28.2	93	36.6	105	41.2
Jim Hogg	0	0.0	0	0.0	0	0.0	0	0.0	1	19.1	0	0.0	0	0.0	1	19.4
Jim Wells	0	0.0	2	4.9	1	2.4	1	2.4	2	4.8	3	7.2	5	12.1	0	0.0
Johnson	9	6.0	5	3.3	10	6.6	9	5.9	13	8.4	6	3.8	8	5.0	18	11.0
Jones	2	10.0	2	9.9	3	14.8	3	15.1	3	15.0	5	25.2	10	50.1	3	15.0
Karnes	0	0.0	2	13.5	2	13.4	2	13.5	0	0.0	5	33.7	1	6.5	1	6.6

* Rates represent cases per 100,000 population.

Total Syphilis Cases and Rates by County of Residence, 2009-2016

County	2009		2010		2011		2012		2013		2014		2015		2016	
	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*
Kaufman	13	12.8	10	9.6	9	8.547	13	12.19	19	17.52	12	10.79	17	14.85	20	16.9
Kendall	4	12.2	2	5.9	1	2.896	2	5.592	4	10.68	5	12.88	2	4.944	5	11.8
Kenedy	0	0.0	0	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	0	0	0.0
Kerr	4	8.1	1	2.0	2	4.03	4	8.04	4	8.027	6	11.9	5	9.802	11	21.4
Kimble	0	0.0	0	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	0	0	0.0
Kinney	1	28.0	0	0.0	0	0	0	0	1	27.71	0	0	0	0	1	27.9
Kleberg	3	9.4	1	3.1	4	12.48	3	9.342	7	21.83	4	12.52	5	15.84	1	3.2
Knox	0	0.0	0	0.0	1	26.74	0	0	0	0	0	0	0	0	0	0.0
Lamar	1	2.0	3	6.0	4	8.009	1	2.007	1	2.029	5	10.08	4	8.059	6	12.1
Lamb	0	0.0	0	0.0	1	7.095	0	0	2	14.58	2	14.76	2	14.99	6	45.2
Lampasas	0	0.0	4	20.2	1	5.013	0	0	2	9.902	0	0	0	0	5	24.1
La Salle	1	14.8	2	29.0	0	0	1	14	5	67.3	1	13.39	5	65.46	1	13.1
Lavaca	3	15.6	2	10.4	2	10.41	0	0	0	0	0	0	3	15.14	2	10.1
Lee	2	12.1	0	0.0	0	0	1	6.041	0	0	0	0	0	0	0	0.0
Leon	3	17.8	4	23.9	0	0	0	0	1	6	5	29.77	2	11.69	1	5.8
Liberty	16	21.3	15	19.8	13	17.09	15	19.63	19	24.68	14	17.9	16	20.08	9	11.0
Limestone	19	82.0	13	55.4	3	12.74	7	29.61	4	17.12	3	12.79	2	8.539	3	12.8
Lipscomb	0	0.0	0	0.0	0	0	0	0	0	0	0	0	0	0	0	0.0
Live Oak	0	0.0	0	0.0	1	8.672	1	8.559	1	8.44	1	8.282	1	8.184	1	8.3
Llano	0	0.0	1	5.2	0	0	1	5.235	0	0	0	0	1	5.041	2	9.8
Loving	0	0.0	0	0.0	0	0	0	0	0	0	0	0	0	0	0	0.0
Lubbock	55	20.1	47	16.8	40	14.11	50	17.47	44	15.17	38	12.88	58	19.4	113	37.3
Lynn	2	33.7	0	0.0	0	0	0	0	1	17.56	0	0	0	0	0	0.0
McCulloch	1	12.0	0	0.0	0	0	1	12.09	0	0	1	12.23	0	0	0	0.0
McLennan	32	13.8	25	10.6	33	13.88	21	8.772	26	10.77	15	6.172	35	14.27	40	16.1
McMullen	0	0.0	0	0.0	0	0	0	0	0	0	0	0	0	0	0	0.0
Madison	1	7.4	3	21.8	5	36.4	1	7.291	0	0	2	14.48	4	28.74	2	14.3
Marion	0	0.0	4	38.1	0	0	0	0	3	29.31	1	9.887	2	19.72	1	9.9
Martin	0	0.0	0	0.0	0	0	0	0	1	18.88	1	18.17	0	0	0	0.0
Mason	0	0.0	0	0.0	0	0	0	0	0	0	0	0	0	0	0	0.0
Matagorda	5	13.7	1	2.7	3	8.174	2	5.47	5	13.69	5	13.7	1	2.714	1	2.7
Maverick	7	13.1	7	12.8	10	18.09	7	12.57	6	10.64	12	21.08	8	13.93	12	20.8
Medina	3	6.6	14	30.3	5	10.75	4	8.545	8	16.92	8	16.72	14	28.93	7	14.2
Menard	0	0.0	0	0.0	0	0	0	0	0	0	0	0	0	0	0	0.0
Midland	5	3.7	14	10.2	10	7.14	14	9.515	12	7.892	16	10.25	22	13.64	26	16.0
Milam	1	4.0	1	4.1	0	0	1	4.143	1	4.14	0	0	0	0	2	8.0
Mills	1	20.5	0	0.0	0	0	0	0	0	0	0	0	0	0	0	0.0
Mitchell	1	10.6	0	0.0	0	0	0	0	2	22.22	2	22.04	2	22.57	0	0.0
Montague	0	0.0	1	5.1	0	0	0	0	0	0	0	0	0	0	0	0.0
Montgomery	51	11.4	36	7.8	37	7.846	46	9.491	38	7.616	41	7.915	65	12.12	57	10.2
Moore	1	4.6	0	0.0	0	0	1	4.462	2	9.008	2	9.031	2	9.071	1	4.5
Morris	3	23.2	4	31.0	1	7.808	2	15.69	1	7.845	5	39.42	1	8.002	1	7.9
Motley	0	0.0	0	0.0	0	0	0	0	0	0	0	0	0	0	0	0.0
Nacogdoches	18	28.1	20	30.9	3	4.57	10	15.19	6	9.203	8	12.26	18	27.42	13	19.8
Navarro	9	18.9	15	31.3	10	20.8	5	10.4	7	14.58	9	18.75	6	12.43	3	6.2
Newton	6	41.5	8	55.4	5	34.51	2	13.97	2	14.07	2	14.14	0	0	2	14.3
Nolan	1	6.6	1	6.6	0	0	1	6.72	1	6.641	1	6.622	0	0	0	0.0
Nueces	30	8.9	53	15.6	57	16.61	92	26.45	66	18.71	67	18.8	89	24.71	109	30.2
Ochiltree	0	0.0	0	0.0	0	0	0	0	1	9.389	0	0	0	0	0	0.0
Oldham	1	49.0	0	0.0	0	0	0	0	0	0	0	0	0	0	0	0.0
Orange	54	66.2	26	31.7	22	26.71	12	14.46	13	15.66	7	8.383	17	20.17	9	10.6
Palo Pinto	0	0.0	0	0.0	2	7.115	3	10.77	0	0	0	0	2	7.173	2	7.1
Panola	5	21.1	7	29.4	1	4.159	2	8.33	3	12.59	1	4.2	2	8.433	6	25.5
Parker	2	1.7	5	4.3	5	4.218	3	2.505	7	5.828	4	3.263	9	7.138	9	7.0
Parmer	0	0.0	0	0.0	0	0	0	0	3	30.1	1	10.08	4	40.87	1	10.2
Pecos	2	12.9	0	0.0	1	6.399	1	6.423	4	25.53	0	0	0	0	1	6.3
Polk	2	4.4	4	8.8	6	13.13	0	0	4	8.705	9	19.47	3	6.385	4	8.3
Potter	11	9.2	5	4.1	5	4.086	22	17.92	23	18.81	19	15.56	35	28.84	82	67.9
Presidio	0	0.0	0	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	1	8.981	1	8.8
Randall	1	0.8	3	2.5	2	1.621	7	5.605	8	6.316	9	6.994	13	9.978	17	12.8
Reagan	0	0.0	0	0.0	0	0	0	0	0	0	0	0	0	0	0	0.0

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County	2009		2010		2011		2012		2013		2014		2015		2016	
	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*
Real	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Red River	2	15.6	2	15.6	1	7.9	1	7.9	0	0.0	2	16.1	1	8.1	0	0.0
Reeves	1	7.4	4	29.0	4	29.0	5	35.9	15	106.2	13	90.1	26	175.8	25	167.5
Refugio	0	0.0	0	0.0	0	0.0	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	0	0.0	0	0.0	0	0.0
Robertson	5	30.1	6	36.2	2	12.0	2	12.2	4	24.4	6	36.6	1	6.0	2	11.9
Rockwall	3	3.9	1	1.3	5	6.2	5	6.0	5	5.9	8	9.1	6	6.6	7	7.4
Runnels	0	0.0	0	0.0	0	0.0	1	9.6	0	0.0	0	0.0	1	9.5	0	0.0
Rusk	14	26.5	14	26.2	15	27.9	8	14.9	12	22.5	6	11.3	16	30.2	12	22.8
Sabine	0	0.0	0	0.0	1	9.4	4	38.2	2	19.3	0	0.0	0	0.0	1	9.7
San Augustine	2	22.4	0	0.0	2	22.6	0	0.0	1	11.5	0	0.0	3	35.8	1	12.0
San Jacinto	1	3.8	0	0.0	2	7.5	4	14.8	1	3.7	2	7.4	2	7.3	1	3.6
San Patricio	4	6.1	1	1.6	2	3.1	4	6.1	10	15.1	13	19.4	7	10.4	5	7.4
San Saba	0	0.0	0	0.0	0	0.0	0	0.0	1	17.5	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	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	0	0.0	1	5.7	2	11.5
Shackelford	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	30.2
Shelby	5	19.6	5	19.7	3	11.7	7	26.9	2	7.7	3	11.7	4	15.7	4	15.6
Sherman	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Smith	55	26.6	46	21.9	51	24.0	32	14.9	38	17.6	24	10.9	37	16.6	39	17.3
Somervell	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Starr	4	6.6	2	3.3	3	4.9	7	11.3	4	6.4	5	7.9	6	9.4	5	7.8
Stephens	0	0.0	0	0.0	2	21.0	2	21.1	2	20.3	1	10.2	5	50.5	1	10.1
Sterling	0	0.0	0	0.0	0	0.0	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	0	0.0	0	0.0	0	0.0
Sutton	0	0.0	0	0.0	0	0.0	1	25.4	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	1	12.9	0	0.0	1	13.3	0	0.0
Tarrant	450	25.2	387	21.3	357	19.3	427	22.7	425	22.2	400	20.6	468	23.6	493	24.4
Taylor	13	10.0	16	12.1	13	9.8	13	9.7	11	8.2	2	1.5	12	8.8	26	19.0
Terrell	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Terry	0	0.0	5	39.5	1	7.9	2	15.9	1	7.9	3	23.5	5	39.2	6	46.9
Throckmorton	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Titus	3	9.4	3	9.3	5	15.4	5	15.3	0	0.0	1	3.1	4	12.2	1	3.1
Tom Green	8	7.3	7	6.3	13	11.6	8	7.1	36	31.3	25	21.4	19	16.1	15	12.7
Travis	309	30.7	286	27.8	364	34.3	413	37.7	446	39.8	556	48.4	505	43.0	644	53.7
Trinity	5	34.5	2	13.6	1	6.8	4	27.9	1	6.9	2	14.1	1	6.9	0	0.0
Tyler	5	23.0	4	18.4	4	18.5	4	18.7	2	9.3	1	4.7	2	9.4	0	0.0
Upshur	5	12.8	6	15.2	5	12.6	4	10.0	1	2.5	4	9.9	3	7.4	3	7.3
Upton	1	30.1	0	0.0	0	0.0	0	0.0	0	0.0	1	29.0	0	0.0	0	0.0
Uvalde	1	3.8	2	7.6	0	0.0	1	3.7	4	14.9	1	3.7	2	7.4	2	7.3
Val Verde	5	10.3	5	10.2	3	6.1	12	24.6	7	14.3	15	30.8	10	20.5	8	16.4
Van Zandt	2	3.8	2	3.8	2	3.8	6	11.5	4	7.6	1	1.9	3	5.6	4	7.4
Victoria	46	53.1	23	26.5	22	25.2	11	12.3	18	20.0	22	24.2	11	11.9	9	9.7
Walker	17	25.5	32	46.9	22	32.2	20	29.2	16	23.1	39	55.8	20	28.4	16	22.4
Waller	9	21.4	10	23.0	27	61.3	11	24.8	10	22.0	11	23.5	9	18.5	8	16.0
Ward	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	3	25.7	1	8.6
Washington	3	9.0	2	5.9	1	2.9	2	5.9	4	11.7	1	2.9	3	8.6	5	14.3
Webb	32	13.0	33	13.1	43	16.8	41	15.8	38	14.4	63	23.6	75	27.9	59	21.8
Wharton	8	19.5	5	12.1	5	12.1	3	7.3	5	12.1	9	21.8	10	24.1	5	12.0
Wheeler	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Wichita	5	3.8	10	7.6	15	11.5	8	6.1	5	3.8	16	12.0	35	26.6	20	15.2
Wilbarger	2	14.7	1	7.4	1	7.4	0	0.0	0	0.0	0	0.0	3	23.0	1	7.8
Willacy	4	18.3	2	9.0	5	22.6	23	103.9	21	95.6	18	82.2	13	59.4	4	18.3
Williamson	21	5.1	35	8.2	32	7.2	31	6.8	35	7.4	36	7.4	38	7.5	73	13.8
Wilson	4	9.5	3	7.0	4	9.1	3	6.7	9	19.8	10	21.6	5	10.5	2	4.1
Winkler	0	0.0	0	0.0	0	0.0	0	0.0	1	13.2	0	0.0	2	25.0	1	12.7
Wise	3	5.1	0	0.0	3	5.0	3	5.0	2	3.3	0	0.0	1	1.6	6	9.3
Wood	2	4.8	4	9.5	1	2.4	7	16.6	5	11.7	0	0.0	2	4.6	2	4.5
Yoakum	2	25.3	0	0.0	0	0.0	2	24.8	0	0.0	0	0.0	2	23.5	4	47.1
Young	1	5.4	0	0.0	1	5.4	2	10.9	0	0.0	0	0.0	1	5.5	0	0.0
Zapata	0	0.0	3	21.3	2	14.1	1	7.0	0	0.0	0	0.0	0	0.0	1	7.0
Zavala	2	17.3	1	8.5	3	25.4	0	0.0	1	8.2	0	0.0	1	8.2	0	0.0
Total	6,903	27.8	6,363	25.2	6,175	24.1	7,071	27.1	7,045	26.6	7,663	28.4	8,439	30.8	9,075	32.6

*Rates represent cases per 100,000 population.

Appendix D
Primary and Secondary Syphilis Cases and Rates
By County of Residence
2009-2016

P&S Syphilis Cases and Rates by County of Residence, 2009-2016

County	2009		2010		2011		2012		2013		2014		2015		2016	
	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*
Anderson	1	1.7	1	1.7	1	1.7	0	0.0	0	0.0	0	0.0	2	3.5	3	5.2
Andrews	0	0.0	0	0.0	2	13.0	0	0.0	1	6.0	0	0.0	0	0.0	0	0.0
Angelina	5	5.8	6	6.9	6	6.9	1	1.1	2	2.3	0	0.0	3	3.4	1	1.1
Aransas	0	0.0	0	0.0	0	0.0	2	8.5	0	0.0	7	28.1	3	11.9	1	3.9
Archer	0	0.0	0	0.0	0	0.0	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	0	0.0	2	103.9	2	106.6
Atascosa	0	0.0	2	4.4	1	2.2	2	4.3	5	10.6	3	6.3	4	8.3	5	10.2
Austin	1	3.5	1	3.5	2	7.0	1	3.5	0	0.0	0	0.0	0	0.0	1	3.4
Bailey	0	0.0	1	14.0	0	0.0	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	0	0.0	0	0.0	0	0.0	2	9.4	0	0.0
Bastrop	1	1.4	7	9.4	2	2.7	1	1.3	1	1.3	2	2.6	4	5.0	3	3.6
Baylor	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Bee	0	0.0	0	0.0	0	0.0	0	0.0	1	3.1	1	3.0	0	0.0	0	0.0
Bell	10	3.3	17	5.4	5	1.6	17	5.3	32	9.8	22	6.7	21	6.3	18	5.3
Bexar	217	12.9	175	10.2	193	11.0	309	17.3	301	16.5	222	11.9	224	11.8	221	11.5
Blanco	0	0.0	1	9.5	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	8.8
Borden	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Bosque	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	5.6	0	0.0	0	0.0
Bowie	54	58.5	37	39.9	18	19.4	6	6.4	1	1.1	2	2.1	6	6.4	2	2.1
Brazoria	6	1.9	6	1.9	9	2.8	6	1.8	5	1.5	7	2.1	8	2.3	6	1.7
Brazos	4	2.1	10	5.1	4	2.0	5	2.5	5	2.4	15	7.2	6	2.8	10	4.5
Brewster	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Briscoe	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Brooks	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Brown	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	2.6	0	0.0
Burleson	0	0.0	0	0.0	0	0.0	1	5.8	1	5.8	2	11.6	0	0.0	0	0.0
Burnet	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	2.2	2	4.3
Caldwell	0	0.0	0	0.0	0	0.0	1	2.6	0	0.0	6	15.1	3	7.4	2	4.9
Calhoun	0	0.0	0	0.0	0	0.0	1	4.6	0	0.0	1	4.6	0	0.0	0	0.0
Callahan	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Cameron	0	0.0	0	0.0	0	0.0	2	0.5	2	0.5	3	0.7	8	1.9	4	0.9
Camp	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	7.9	0	0.0	0	0.0
Carson	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	16.5
Cass	5	16.5	6	19.7	3	9.8	0	0.0	1	3.3	0	0.0	0	0.0	0	0.0
Castro	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Chambers	1	2.9	1	2.8	0	0.0	0	0.0	0	0.0	1	2.6	1	2.6	1	2.5
Cherokee	2	4.0	1	2.0	2	3.9	0	0.0	1	2.0	1	2.0	0	0.0	0	0.0
Childress	1	14.2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	14.2	0	0.0
Clay	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	9.7	0	0.0	0	0.0
Cochran	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	34.0	0	0.0
Coke	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	31.0	0	0.0
Coleman	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Collin	11	1.4	4	0.5	5	0.6	18	2.1	13	1.5	7	0.8	16	1.8	28	3.0
Collingsworth	0	0.0	0	0.0	0	0.0	1	33.1	0	0.0	0	0.0	0	0.0	0	0.0
Colorado	3	14.4	2	9.6	1	4.8	1	4.8	1	4.8	1	4.8	1	4.8	0	0.0
Comal	2	1.9	1	0.9	0	0.0	5	4.3	4	3.4	7	5.7	0	0.0	5	3.7
Comanche	0	0.0	0	0.0	0	0.0	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	0	0.0	0	0.0	0	0.0
Cooke	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2	5.1
Coryell	1	1.3	2	2.6	1	1.3	1	1.3	4	5.3	1	1.3	0	0.0	0	0.0
Cottle	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Crane	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	20.7
Crockett	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Crosby	1	16.5	0	0.0	0	0.0	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	0	0.0	0	0.0	1	45.5
Dallam	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	14.1	0	0.0
Dallas	291	12.4	182	7.7	181	7.5	196	8.0	251	10.1	293	11.7	281	11.0	325	12.6
Dawson	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2	15.3
Deaf Smith	0	0.0	1	5.1	0	0.0	0	0.0	0	0.0	4	20.9	0	0.0	1	5.3
Delta	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Denton	4	0.6	3	0.4	3	0.4	9	1.3	8	1.1	20	2.7	17	2.2	25	3.1
DeWitt	1	5.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	4.8	0	0.0
Dickens	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Dimmit	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0

* Rates represent cases per 100,000 population.

P&S Syphilis Cases and Rates by County of Residence, 2009-2016

County	2009		2010		2011		2012		2013		2014		2015		2016	
	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*
Donley	0	0.0	0	0.0	0	0.0	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	8.6	0	0.0	1	8.8	0	0.0
Eastland	0	0.0	1	5.4	0	0.0	1	5.4	0	0.0	0	0.0	0	0.0	0	0.0
Ector	5	3.7	3	2.2	2	1.4	4	2.8	3	2.0	4	2.6	15	9.4	16	10.2
Edwards	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Ellis	4	2.7	2	1.3	2	1.3	4	2.6	4	2.6	3	1.9	2	1.2	6	3.6
El Paso	13	1.7	16	2.0	14	1.7	18	2.2	25	3.0	31	3.7	67	8.0	119	14.2
Erath	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Falls	1	5.6	0	0.0	0	0.0	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	0	0.0	2	5.9	0	0.0	1	2.9
Fayette	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Fisher	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Floyd	0	0.0	0	0.0	1	15.6	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	0	0.0	0	0.0	0	0.0
Fort Bend	30	5.3	24	4.1	16	2.6	19	3.0	13	2.0	23	3.4	28	3.9	22	3.0
Franklin	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Freestone	0	0.0	1	5.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	5.1
Frio	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	5.3	0	0.0	0	0.0
Gaines	0	0.0	1	5.7	0	0.0	0	0.0	0	0.0	0	0.0	3	14.8	2	9.8
Galveston	39	13.6	15	5.1	10	3.4	7	2.3	9	2.9	7	2.2	6	1.9	4	1.2
Garza	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Gillespie	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Glasscock	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Goliad	0	0.0	0	0.0	1	13.9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Gonzales	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	4.9	0	0.0
Gray	0	0.0	0	0.0	0	0.0	2	8.8	0	0.0	0	0.0	0	0.0	0	0.0
Grayson	1	0.8	2	1.7	0	0.0	0	0.0	1	0.8	0	0.0	1	0.8	1	0.8
Gregg	27	22.3	20	16.4	10	8.2	11	9.0	6	4.9	9	7.3	9	7.3	6	4.8
Grimes	0	0.0	1	3.8	0	0.0	0	0.0	0	0.0	1	3.7	0	0.0	0	0.0
Guadalupe	1	0.8	0	0.0	1	0.7	4	2.9	3	2.1	6	4.1	3	2.0	6	3.9
Hale	0	0.0	1	2.8	3	8.2	0	0.0	0	0.0	1	2.9	1	2.9	0	0.0
Hall	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Hamilton	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Hansford	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Hardeman	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Hardin	2	3.7	4	7.3	1	1.8	6	10.9	1	1.8	1	1.8	0	0.0	2	3.6
Harris	323	8.0	267	6.5	268	6.4	494	11.6	308	7.1	374	8.4	392	8.6	341	7.4
Harrison	4	6.1	4	6.1	2	3.0	4	6.0	3	4.5	1	1.5	1	1.5	1	1.5
Hartley	0	0.0	0	0.0	0	0.0	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	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Hays	3	2.0	5	3.2	6	3.7	5	3.0	3	1.7	14	7.6	13	6.7	16	7.8
Hemphill	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Henderson	0	0.0	1	1.3	0	0.0	0	0.0	1	1.3	0	0.0	0	0.0	1	1.3
Hidalgo	0	0.0	0	0.0	4	0.5	2	0.2	1	0.1	8	1.0	8	1.0	1	0.1
Hill	0	0.0	1	2.8	1	2.8	0	0.0	0	0.0	0	0.0	0	0.0	1	2.9
Hockley	2	8.7	1	4.4	0	0.0	0	0.0	1	4.3	1	4.2	1	4.3	2	8.6
Hood	0	0.0	0	0.0	0	0.0	0	0.0	4	7.6	0	0.0	1	1.8	0	0.0
Hopkins	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	2.8	0	0.0	0	0.0
Houston	0	0.0	0	0.0	0	0.0	0	0.0	1	4.4	1	4.4	0	0.0	1	4.4
Howard	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	2.7	5	13.6
Hudspeth	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Hunt	0	0.0	1	1.2	0	0.0	3	3.4	0	0.0	1	1.1	1	1.1	1	1.1
Hutchinson	0	0.0	0	0.0	0	0.0	0	0.0	1	4.6	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	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	0	0.0	0	0.0	0	0.0
Jackson	0	0.0	1	7.1	0	0.0	1	7.0	0	0.0	0	0.0	0	0.0	0	0.0
Jasper	2	5.7	1	2.8	0	0.0	1	2.8	0	0.0	1	2.8	0	0.0	2	5.6
Jeff Davis	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Jefferson	154	61.3	52	20.6	48	18.9	35	13.9	18	7.1	22	8.7	18	7.1	21	8.2
Jim Hogg	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Jim Wells	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	2.4	1	2.4	0	0.0
Johnson	0	0.0	1	0.7	3	2.0	2	1.3	4	2.6	2	1.3	2	1.3	3	1.8
Jones	0	0.0	1	4.9	3	14.8	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	0	0.0	0	0.0	0	0.0	1	6.5	0	0.0

* Rates represent cases per 100,000 population.

P&S Syphilis Cases and Rates by County of Residence, 2009-2016

County	2009		2010		2011		2012		2013		2014		2015		2016	
	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*
Kaufman	2	2.0	0	0.0	1	0.95	1	0.938	4	3.688	0	0	2	1.747	4	3.4
Kendall	0	0.0	0	0.0	1	2.896	0	0	0	0	2	5.151	1	2.472	1	2.4
Kenedy	0	0.0	0	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	0	0	0.0
Kerr	0	0.0	0	0.0	0	0	0	0	2	4.013	2	3.966	2	3.921	1	1.9
Kimble	0	0.0	0	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	0	0	0.0
Kinney	0	0.0	0	0.0	0	0	0	0	1	27.71	0	0	0	0	0	0.0
Kleberg	0	0.0	0	0.0	0	0	1	3.114	0	0	2	6.261	1	3.168	0	0.0
Knox	0	0.0	0	0.0	0	0	0	0	0	0	0	0	0	0	0	0.0
Lamar	0	0.0	0	0.0	0	0	0	0	0	0	0	0	1	2.015	0	0.0
Lamb	0	0.0	0	0.0	0	0	0	0	1	7.288	0	0	1	7.495	3	22.6
Lampasas	0	0.0	0	0.0	1	5.013	0	0	1	4.951	0	0	0	0	2	9.6
La Salle	0	0.0	0	0.0	0	0	0	0	1	13.46	0	0	0	0	0	0.0
Lavaca	0	0.0	0	0.0	0	0	0	0	0	0	0	0	2	10.09	0	0.0
Lee	0	0.0	0	0.0	0	0	0	0	0	0	0	0	0	0	0	0.0
Leon	1	5.9	0	0.0	0	0	0	0	0	0	2	11.91	1	5.847	0	0.0
Liberty	2	2.7	4	5.3	1	1.315	1	1.308	1	1.299	0	0	2	2.51	0	0.0
Limestone	8	34.5	1	4.3	0	0	0	0	0	0	0	0	0	0	0	0.0
Lipscomb	0	0.0	0	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	0	1	8.3
Llano	0	0.0	0	0.0	0	0	0	0	0	0	0	0	1	5.041	0	0.0
Loving	0	0.0	0	0.0	0	0	0	0	0	0	0	0	0	0	0	0.0
Lubbock	20	7.3	13	4.6	10	3.528	18	6.288	15	5.173	8	2.711	13	4.348	41	13.5
Lynn	1	16.9	0	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	0	0	0.0
McLennan	6	2.6	6	2.5	9	3.785	0	0	6	2.485	2	0.823	11	4.486	8	3.2
McMullen	0	0.0	0	0.0	0	0	0	0	0	0	0	0	0	0	0	0.0
Madison	0	0.0	1	7.3	2	14.56	0	0	0	0	1	7.242	0	0	1	7.1
Marion	0	0.0	0	0.0	0	0	0	0	0	0	1	9.887	0	0	0	0.0
Martin	0	0.0	0	0.0	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	0	0	0.0
Matagorda	3	8.2	0	0.0	1	2.725	0	0	0	0	0	0	1	2.714	0	0.0
Maverick	0	0.0	0	0.0	2	3.618	0	0	2	3.545	1	1.757	2	3.482	0	0.0
Medina	0	0.0	0	0.0	1	2.15	0	0	2	4.231	1	2.09	2	4.134	2	4.1
Menard	0	0.0	0	0.0	0	0	0	0	0	0	0	0	0	0	0	0.0
Midland	1	0.7	0	0.0	2	1.428	2	1.359	1	0.658	3	1.922	6	3.72	9	5.5
Milam	0	0.0	0	0.0	0	0	1	4.143	0	0	0	0	0	0	1	4.0
Mills	0	0.0	0	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	0	0	0.0
Montague	0	0.0	0	0.0	0	0	0	0	0	0	0	0	0	0	0	0.0
Montgomery	18	4.0	8	1.7	3	0.636	17	3.508	13	2.605	9	1.738	16	2.983	14	2.5
Moore	1	4.6	0	0.0	0	0	0	0	1	4.504	0	0	0	0	0	0.0
Morris	0	0.0	1	7.7	0	0	0	0	0	0	0	0	1	8.002	0	0.0
Motley	0	0.0	0	0.0	0	0	0	0	0	0	0	0	0	0	0	0.0
Nacogdoches	2	3.1	0	0.0	0	0	1	1.519	1	1.534	3	4.596	7	10.66	3	4.6
Navarro	3	6.3	2	4.2	0	0	0	0	1	2.082	4	8.335	0	0	1	2.1
Newton	0	0.0	1	6.9	1	6.902	0	0	1	7.036	1	7.069	0	0	0	0.0
Nolan	0	0.0	0	0.0	0	0	0	0	0	0	0	0	0	0	0	0.0
Nueces	4	1.2	14	4.1	22	6.41	38	10.93	23	6.521	21	5.893	27	7.498	43	11.9
Ochiltree	0	0.0	0	0.0	0	0	0	0	1	9.389	0	0	0	0	0	0.0
Oldham	0	0.0	0	0.0	0	0	0	0	0	0	0	0	0	0	0	0.0
Orange	13	15.9	4	4.9	8	9.712	1	1.205	2	2.409	0	0	4	4.746	2	2.4
Palo Pinto	0	0.0	0	0.0	0	0	0	0	0	0	0	0	0	0	0	0.0
Panola	1	4.2	0	0.0	0	0	0	0	0	0	1	4.2	1	4.216	1	4.3
Parker	1	0.9	2	1.7	0	0	1	0.835	4	3.33	1	0.816	1	0.793	2	1.5
Parmer	0	0.0	0	0.0	0	0	0	0	1	10.03	1	10.08	1	10.22	0	0.0
Pecos	1	6.5	0	0.0	0	0	0	0	0	0	0	0	0	0	0	0.0
Polk	0	0.0	1	2.2	2	4.376	0	0	0	0	1	2.163	1	2.128	1	2.1
Potter	1	0.8	1	0.8	0	0	4	3.258	2	1.636	3	2.456	9	7.415	22	18.2
Presidio	0	0.0	0	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	0	0	0.0
Randall	0	0.0	2	1.7	1	0.811	2	1.601	3	2.369	0	0	3	2.303	6	4.5
Reagan	0	0.0	0	0.0	0	0	0	0	0	0	0	0	0	0	0	0.0

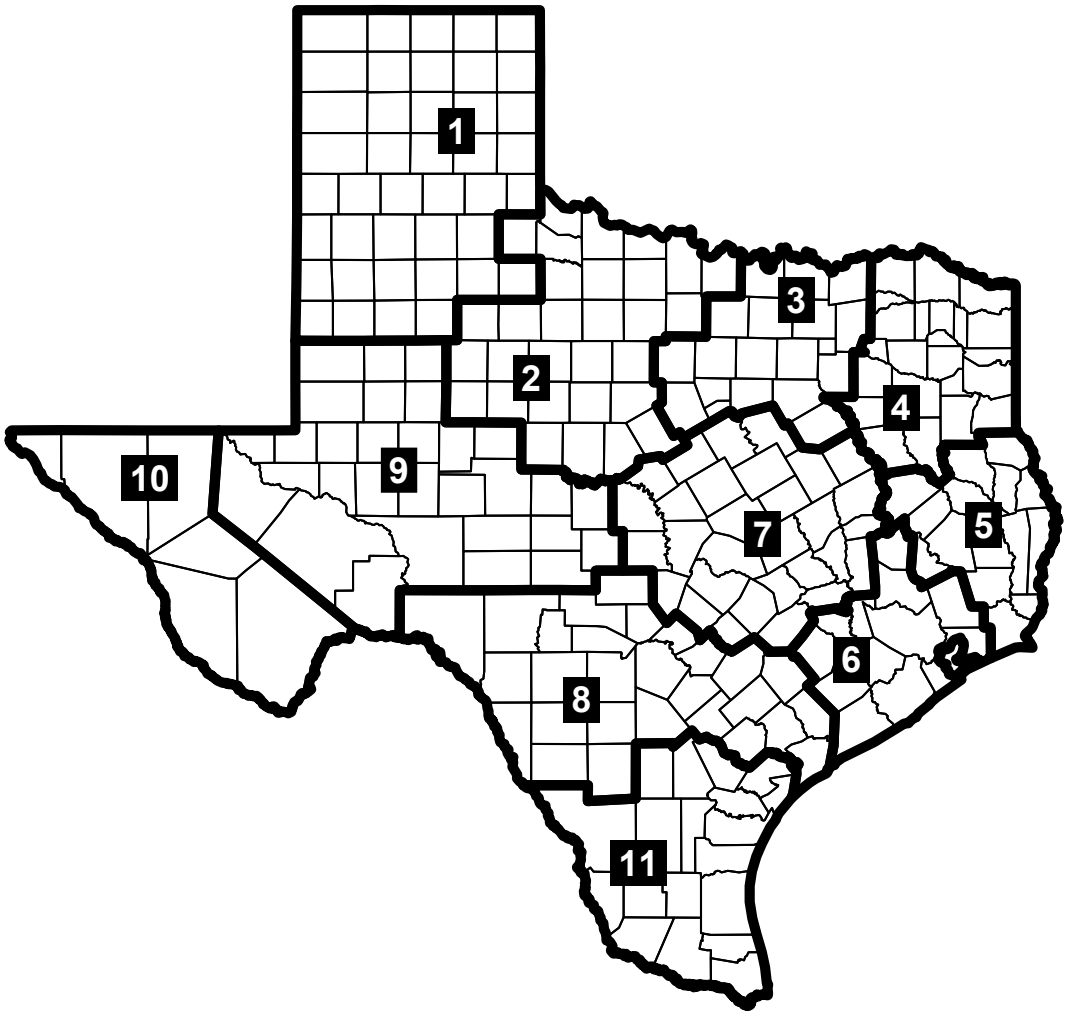
*Rates represent cases per 100,000 population.

P&S Syphilis Cases and Rates by County of Residence, 2009-2016

County	2009		2010		2011		2012		2013		2014		2015		2016	
	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*
Real	0	0.0	0	0.0	0	0.0	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	0	0.0	0	0.0	0	0.0
Reeves	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	6.7
Refugio	0	0.0	0	0.0	0	0.0	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	0	0.0	0	0.0	0	0.0
Robertson	3	18.1	0	0.0	1	6.0	0	0.0	0	0.0	2	12.2	0	0.0	1	6.0
Rockwall	0	0.0	1	1.3	0	0.0	2	2.4	0	0.0	4	4.6	0	0.0	1	1.1
Runnels	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Rusk	4	7.6	0	0.0	1	1.9	3	5.6	0	0.0	0	0.0	4	7.6	1	1.9
Sabine	0	0.0	0	0.0	0	0.0	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	0	0.0	1	11.9	0	0.0
San Jacinto	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
San Patricio	0	0.0	0	0.0	1	1.6	1	1.5	4	6.0	7	10.5	4	5.9	2	3.0
San Saba	0	0.0	0	0.0	0	0.0	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	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	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	0	0.0	0	0.0	0	0.0
Shelby	0	0.0	1	3.9	0	0.0	1	3.8	0	0.0	2	7.8	0	0.0	1	3.9
Sherman	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Smith	7	3.4	3	1.4	4	1.9	4	1.9	4	1.8	1	0.5	6	2.7	9	4.0
Somervell	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Starr	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Stephens	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Sterling	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	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	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	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	0	0.0	0	0.0	0	0.0
Tarrant	186	10.4	151	8.3	123	6.7	163	8.7	152	7.9	162	8.3	165	8.3	122	6.0
Taylor	1	0.8	4	3.0	5	3.8	2	1.5	0	0.0	0	0.0	1	0.7	2	1.5
Terrell	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Terry	0	0.0	1	7.9	0	0.0	1	7.9	0	0.0	0	0.0	0	0.0	1	7.8
Throckmorton	0	0.0	0	0.0	0	0.0	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	0	0.0	0	0.0	1	3.1	0	0.0
Tom Green	1	0.9	0	0.0	2	1.8	2	1.8	6	5.2	1	0.9	11	9.3	3	2.5
Travis	91	9.0	82	8.0	101	9.5	133	12.1	137	12.2	188	16.4	180	15.3	269	22.4
Trinity	2	13.8	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Tyler	1	4.6	1	4.6	2	9.2	1	4.7	1	4.7	0	0.0	1	4.7	0	0.0
Upshur	0	0.0	1	2.5	0	0.0	1	2.5	0	0.0	2	5.0	0	0.0	1	2.4
Upton	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Uvalde	0	0.0	0	0.0	0	0.0	0	0.0	1	3.7	0	0.0	1	3.7	0	0.0
Val Verde	0	0.0	0	0.0	0	0.0	1	2.0	1	2.0	1	2.1	0	0.0	0	0.0
Van Zandt	1	1.9	0	0.0	1	1.9	0	0.0	1	1.9	0	0.0	1	1.9	1	1.8
Victoria	2	2.3	3	3.5	1	1.1	2	2.2	4	4.4	6	6.6	2	2.2	1	1.1
Walker	3	4.5	10	14.7	8	11.7	2	2.9	0	0.0	10	14.3	2	2.8	4	5.6
Waller	3	7.1	2	4.6	9	20.4	2	4.5	2	4.4	1	2.1	1	2.1	1	2.0
Ward	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Washington	1	3.0	0	0.0	0	0.0	1	2.9	1	2.9	0	0.0	0	0.0	2	5.7
Webb	0	0.0	0	0.0	0	0.0	1	0.4	2	0.8	1	0.4	4	1.5	4	1.5
Wharton	2	4.9	0	0.0	0	0.0	0	0.0	0	0.0	1	2.4	4	9.6	1	2.4
Wheeler	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Wichita	0	0.0	3	2.3	4	3.1	0	0.0	0	0.0	3	2.3	4	3.0	3	2.3
Wilbarger	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Willacy	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	4.6	1	4.6	1	4.6
Williamson	5	1.2	10	2.3	6	1.4	11	2.4	11	2.3	9	1.8	9	1.8	15	2.8
Wilson	1	2.4	1	2.3	0	0.0	0	0.0	2	4.4	2	4.3	1	2.1	0	0.0
Winkler	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Wise	1	1.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	1.6	0	0.0
Wood	0	0.0	0	0.0	1	2.4	2	4.7	0	0.0	0	0.0	0	0.0	1	2.3
Yoakum	1	12.6	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Young	0	0.0	0	0.0	1	5.4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Zapata	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	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	0	0.0	0	0.0	0	0.0
Total	1,638	6.6	1,230	4.9	1,174	4.6	1,634	6.3	1,470	5.6	1,622	6.0	1,721	6.3	1,874	6.7

*Rates represent cases per 100,000 population.

Appendix E
Additional Geographic Breakdowns And Rankings



Texas Public Health Regions

STD Cases and Rates by Public Health Region, 2016

Public Health Region	Chlamydia		Gonorrhea		P&S Syphilis		Congenital Syph.	Total Syphilis	
	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Cases	Rate*
Region 1	4,496	516.6	1,683	193.4	79	9.1	1	275	31.6
Region 2	2,278	413.6	692	125.7	5	0.9	-	59	10.7
Region 3	32,770	433.9	11,059	146.4	522	6.9	11	2,501	33.1
Region 4	5,285	464.2	1,902	167.0	27	2.4	4	163	14.3
Region 5	3,496	449.6	1,145	147.3	34	4.4	2	166	21.3
Region 6	35,180	506.6	10,208	147.0	395	5.7	16	2,734	39.4
Region 7	20,840	619.0	6,565	195.0	354	10.5	9	1,014	30.1
Region 8	16,531	567.4	4,932	169.3	242	8.3	13	1,147	39.4
Region 9	3,091	484.9	895	140.4	39	6.1	2	169	26.5
Region 10	3,075	356.5	294	34.1	120	13.9	2	298	34.5
Region 11	10,697	475.8	1,596	71.0	57	2.5	10	549	24.4
State Total	137,739	**494.4**	40,971	**147.0**	1,874	**6.7**	70	9,075	**32.6**

* Rates represent cases per 100,000 population.

STD Cases by City of Residence, 2016			
City of Residence	Chlamydia	Gonorrhea	P&S Syphilis
Houston	21,466	7,026	293
San Antonio	11,909	4,101	210
Dallas	8,661	3,650	222
Austin	7,483	2,481	252
Fort Worth	4,544	1,684	67
El Paso	2,739	257	113
Arlington	2,208	682	34
Corpus Christi	2,339	549	33
Lubbock	2,037	778	41
Killeen	1,864	791	6
Waco	1,376	505	6
Amarillo	1,195	557	28
Irving	1,172	325	19
Beaumont	1,000	441	12
Grand Prairie	1,088	333	18
Tyler	1,004	370	6
Garland	971	294	15
San Marcos	1,043	174	14
Spring	977	243	9
Laredo	1,089	114	4
Odessa	907	279	16
Mesquite	842	301	13
Longview	793	318	4
Katy	904	200	3
Pasadena	940	156	8
Humble	791	246	15
Plano	809	217	18
Midland	863	167	9
Denton	797	177	6
Bryan	716	225	3
Wichita Falls	688	241	2
San Angelo	671	240	3
Abilene	614	240	2
Brownsville	752	85	1
College Station	684	128	7
Temple	595	217	4
Fort Hood	639	173	1
Edinburg	699	88	0
Round Rock	592	161	11
Baytown	622	132	8
Harlingen	663	91	0
Conroe	570	149	5
Texarkana	466	249	1
Nacogdoches	563	143	3
Mckinney	553	129	2
Missouri City	489	162	8
Lewisville	478	168	7
Mcallen	557	71	1
Cypress	506	108	1
Pflugerville	478	119	5
Total	**96,406**	**30,735**	**1,569**

25 Counties with the Highest STD Case Numbers, 2016

Rank	Chlamydia		Gonorrhea		P&S Syphilis		Total Syphilis	
	County	Cases	County	Cases	County	Cases	County	Cases
1	Harris	26,931	Harris	8,221	Harris	341	Harris	2,400
2	Dallas	15,176	Dallas	5,775	Dallas	325	Dallas	1,604
3	Bexar	13,318	Bexar	4,357	Travis	269	Bexar	975
4	Tarrant	8,840	Tarrant	3,000	Bexar	221	Travis	644
5	Travis	8,453	Travis	2,732	Tarrant	122	Tarrant	493
6	Bell	3,709	Bell	1,408	El Paso	119	El Paso	296
7	Hidalgo	3,525	Lubbock	821	Nueces	43	Hidalgo	232
8	El Paso	2,990	Collin	667	Lubbock	41	Denton	149
9	Collin	2,716	Fort Bend	644	Collin	28	Collin	136
10	Fort Bend	2,660	McLennan	628	Denton	25	Fort Bend	124
11	Nueces	2,587	Nueces	586	Potter	22	Lubbock	113
12	Denton	2,174	Jefferson	547	Fort Bend	22	Cameron	111
13	Lubbock	2,135	Denton	547	Jefferson	21	Nueces	109
14	Cameron	1,950	Potter	459	Bell	18	Jefferson	105
15	McLennan	1,757	Smith	440	Hays	16	Potter	82
16	Galveston	1,504	Hidalgo	410	Ector	16	Bell	79
17	Montgomery	1,428	Galveston	396	Williamson	15	Williamson	73
18	Jefferson	1,422	Gregg	380	Montgomery	14	Galveston	61
19	Brazos	1,402	Brazos	353	Brazos	10	Webb	59
20	Williamson	1,249	Montgomery	340	Smith	9	Montgomery	57
21	Hays	1,243	Williamson	312	Midland	9	Ector	50
22	Brazoria	1,204	Bowie	293	McLennan	8	Hays	44
23	Smith	1,145	Ector	280	Randall	6	Brazos	41
24	Webb	1,097	El Paso	274	Guadalupe	6	Brazoria	41
25	Gregg	992	Wichita	268	Gregg	6	McLennan	40

25 Counties with the Highest STD Case Rates, 2016

Rank	Chlamydia		Gonorrhea		P&S Syphilis		Total Syphilis	
	County	Rate*	County	Rate*	County	Rate*	County	Rate*
1	Armstrong[#]	3,678.0	Armstrong[#]	1,279.3	Armstrong[#]	106.6	Armstrong[#]	373.1
2	Duval	1,505.1	Bell	413.6	Culberson[#]	45.5	Reeves	167.5
3	Bell	1,089.6	Potter	379.9	Lamb[#]	22.6	Howard	109.0
4	Caldwell	1,032.5	Carson[#]	363.2	Travis	22.4	Garza[#]	108.7
5	Briscoe[#]	1,017.6	Bowie	312.2	Crane[#]	20.7	Childress[#]	99.3
6	Dimmit[#]	917.2	Gregg	307.1	Potter	18.2	Potter	67.9
7	Loving[#]	885.0	Lubbock	270.8	Carson[#]	16.5	Atascosa	67.6
8	Nacogdoches	882.9	Childress[#]	255.2	Dawson[#]	15.3	Deaf Smith[#]	63.7
9	Gregg	801.6	McLennan	253.3	El Paso	14.2	Dallas	62.3
10	Potter	783.7	Brooks[#]	235.7	Howard[#]	13.6	Travis	53.7
11	Kleberg	770.0	Bastrop	233.3	Lubbock	13.5	Harris	52.3
12	Bastrop	763.9	Travis	227.8	Dallas	12.6	Bexar	50.6
13	Nueces	715.9	Bexar	225.9	Nueces	11.9	Yoakum[#]	47.1
14	McLennan	708.7	Dallas	224.3	Bexar	11.5	Terry[#]	46.9
15	Goliad[#]	705.1	Nacogdoches	221.9	Atascosa[#]	10.2	Concho[#]	46.7
16	Travis	704.8	Caldwell	221.1	Ector	10.2	Caldwell[#]	46.2
17	Lubbock	704.3	Lamar	218.9	Gaines[#]	9.8	Jack[#]	45.7
18	Carson[#]	693.4	Jefferson	214.8	Lampasas[#]	9.6	Culberson[#]	45.5
19	Bexar	690.5	Howard	209.8	Blanco[#]	8.8	Lamb	45.2
20	Robertson	686.5	Tom Green	204.4	Hockley[#]	8.6	Blanco[#]	43.9
21	Brooks[#]	665.4	Wichita	203.3	Live Oak[#]	8.3	Gonzales[#]	43.1
22	Nolan[#]	660.3	Coryell	196.8	Jefferson	8.2	Jefferson	41.2
23	Cottle[#]	641.9	Smith	195.3	Hays	7.8	Lubbock	37.3
24	Bee	638.2	Nolan[#]	193.4	Terry[#]	7.8	Bee[#]	36.6
25	Brazos	636.1	Duval[#]	192.5	Harris	7.4	El Paso	35.3

* Rates represent cases per 100,000 population.

[#]Denotes counties with fewer than: 100 cases of chlamydia, 50 cases of gonorrhea, 10 cases of P&S, 20 cases of total syphilis: these rates should be interpreted with caution

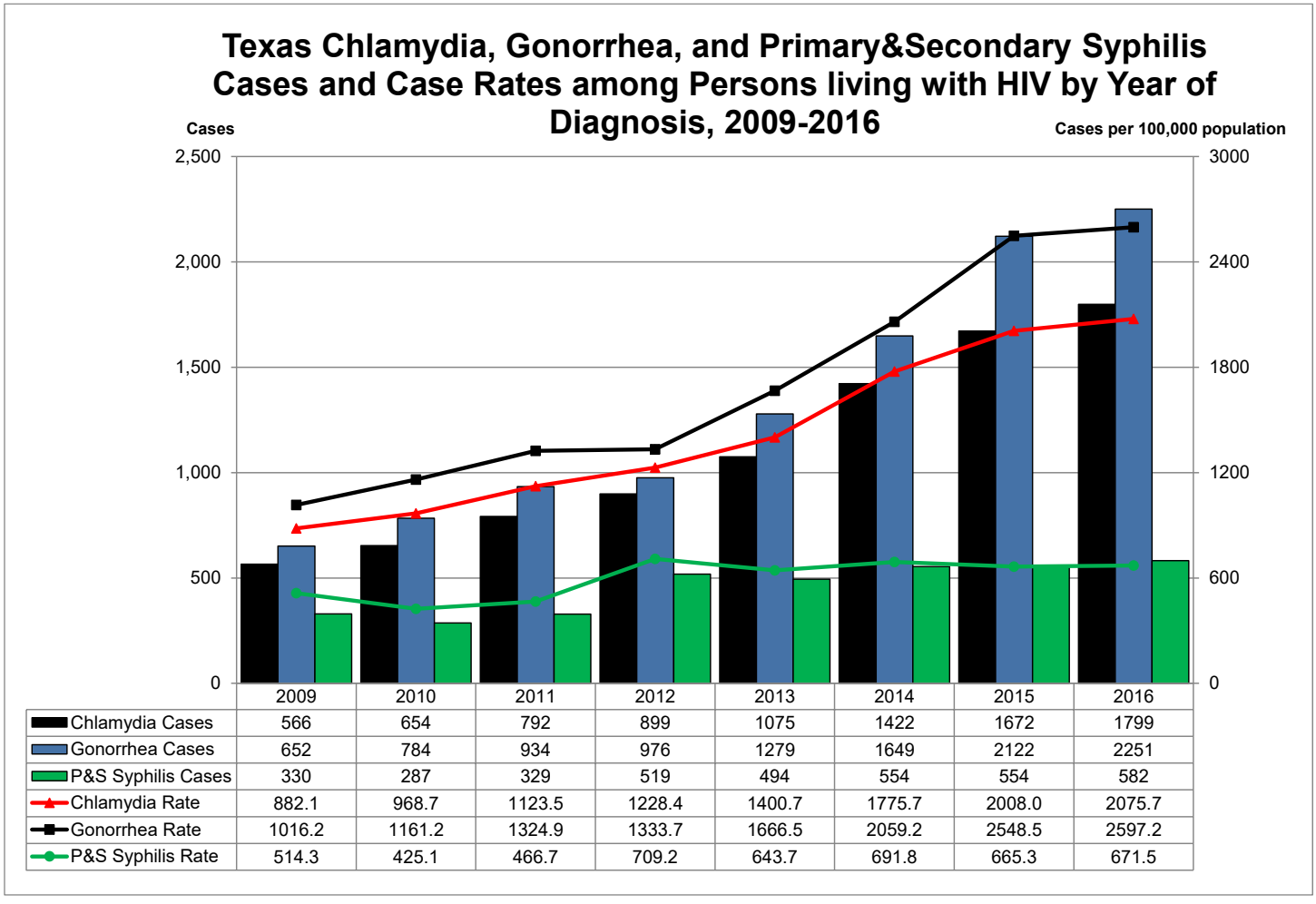
Appendix F
Special Populations: Persons Living with HIV and Men who have Sex with Men

STDs among Persons Living with HIV

STDs in Persons living with HIV
Persons living with HIV (PLWH) experience higher rates of STDs than the general population*. The rate of STDs in Persons Living with HIV in Texas has increased over the past 10 years. It is difficult to know whether increases in rates are due to an increase in STD screening among PLWH (including increased extragenital testing in Men who have Sex with Men) or a true rise in incident cases.

Screening for STDs in Persons Living with HIV**
Texas Department of State Health Services recommends that all Persons Living with HIV be screened annually for STDs, and PLWH who are sexually active and at high risk should be screened every 3-6 months.

*** Source: CDC Fact Sheet: STDs and HIV**
****Source: Texas DSHS Outpatient Ambulatory Medical Care Standards for Persons Living with HIV, 2015**



	2009	2010	2011	2012	2013	2014	2015	2016
Chlamydia Cases	566	654	792	899	1075	1422	1672	1799
Gonorrhea Cases	652	784	934	976	1279	1649	2122	2251
P&S Syphilis Cases	330	287	329	519	494	554	554	582
Chlamydia Rate	882.1	968.7	1123.5	1228.4	1400.7	1775.7	2008.0	2075.7
Gonorrhea Rate	1016.2	1161.2	1324.9	1333.7	1666.5	2059.2	2548.5	2597.2
P&S Syphilis Rate	514.3	425.1	466.7	709.2	643.7	691.8	665.3	671.5

STDs among Men who have sex with Men

STDs in Men who have sex with Men*
Men who have sex with Men (MSM) experience higher rates of STDs compared to the general population. Higher rates of STDs in this population means that sexually active MSM are at higher risk of having a partner with an STD.

STD surveillance in Texas collects data on sex of partners to persons diagnosed with syphilis. In 2015, DSHS published estimates the MSM population in Texas, which allows for calculation of population rates of HIV and syphilis. In 2016, MSM comprised about 2% of the adult population in Texas. However, in the same year, Men who report having sexual contact with other Men comprised 67% of all persons diagnosed with Primary and Secondary Syphilis in Texas, and 56% of all persons diagnosed with Early Latent Syphilis.

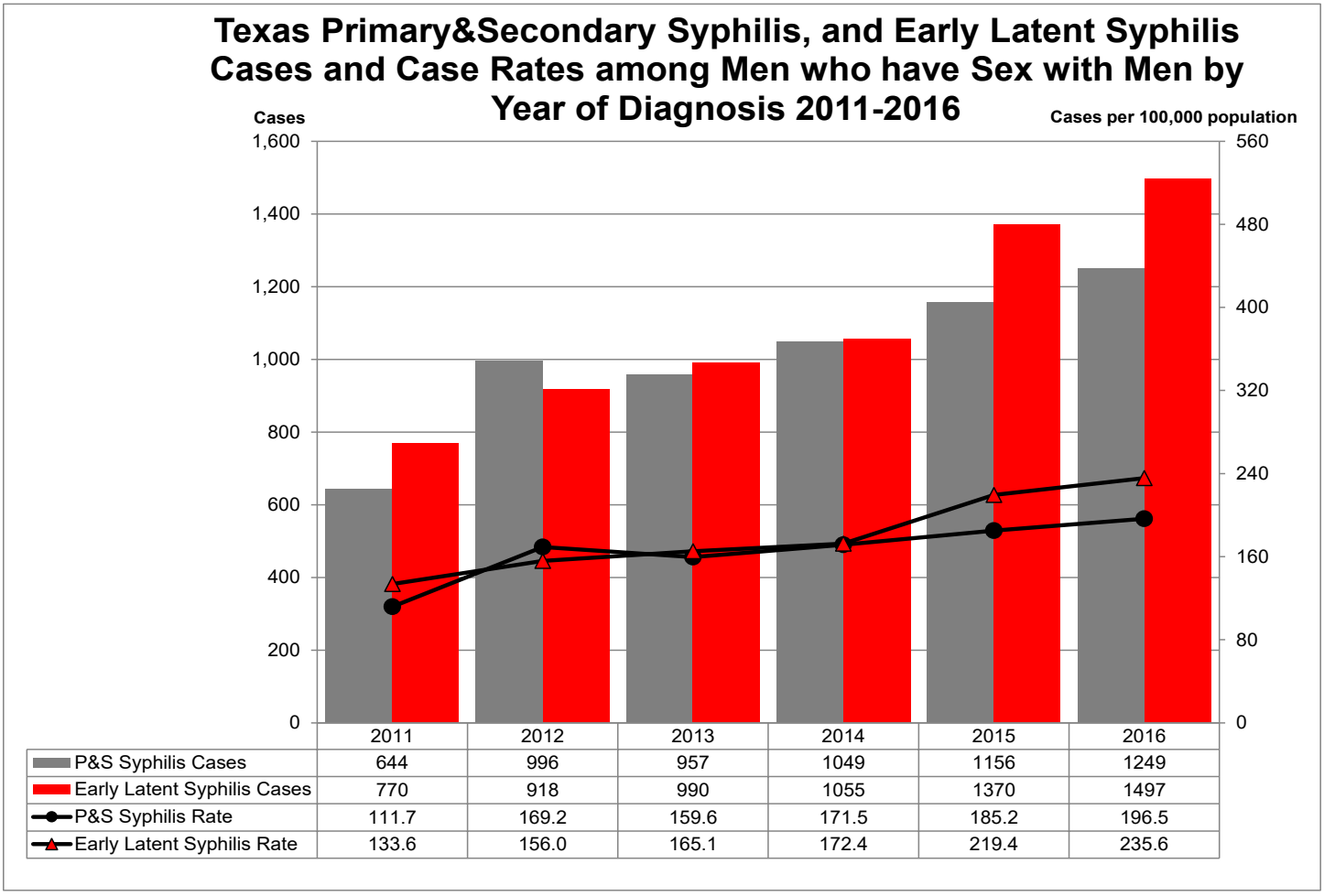
Syphilis infection raises the risk of acquiring and transmitting HIV**. Syphilis sores (chancres) provide an opening through which HIV can enter the body.

The CDC recommends that sexually active MSM should be screened annually for syphilis.

***Source: Centers for Disease Control and Prevention: What Gay, Bisexual, and Other Men who have Sex with Men need to know about Sexually Transmitted Diseases Fact Sheet, 2015**

****Source: Centers for Disease Control and Prevention: Syphilis & MSM Fact Sheet**

Note: Transgender persons may or may not be designated as MSM



	2011	2012	2013	2014	2015	2016
P&S Syphilis Cases	644	996	957	1049	1156	1249
Early Latent Syphilis Cases	770	918	990	1055	1370	1497
P&S Syphilis Rate	111.7	169.2	159.6	171.5	185.2	196.5
Early Latent Syphilis Rate	133.6	156.0	165.1	172.4	219.4	235.6