

Texas HIV Surveillance Report

2018 Annual Report

**HIV/STD Epidemiology and Surveillance Branch
Published December 13, 2019**



TEXAS
Health and Human
Services

Texas Department of State
Health Services

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

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Important Notes on the Data:

This report describes HIV and AIDS cases reported to the Texas Department of State Health Services Surveillance Program that were diagnosed through December 31, 2018 and reported to The Enhanced HIV/AIDS Reporting System (eHARS) by June 30, 2019, the cut-off date for the creation of the current HIV analysis data file. Data are presented by diagnosis year vs. report year.

HIV Diagnoses - All HIV cases regardless of disease status (HIV-only or AIDS) at diagnosis.

AIDS - The AIDS data in this report include all cases who were diagnosed with AIDS in the given time frame regardless of whether they were previously diagnosed as HIV-only or if they were newly diagnosed and had already met the AIDS case definition (<https://www.cdc.gov/mmwr/preview/mmwrhtml/rr6303a1.htm>).

People Living with HIV - These data represent the cumulative number of people living with HIV in Texas who are not known to be deceased. In terms of geography, cases are listed by residence at HIV or AIDS diagnosis. In early 2018, all Texas HIV cases were matched against two national death indices and many deaths not previously recorded in the surveillance system were discovered. These were not necessarily deaths due to HIV, nor were they deaths that occurred in any one time frame. Consequently, the number of people living with HIV in Texas is slightly lower than was listed in previous reports. Texas' HIV data is constantly evolving and improving; therefore, the most recent report or analysis should be considered the most accurate.

Cumulative HIV Diagnoses - Cumulative data represent all cases in the Texas eHARS reporting system, living or deceased, by residence at HIV or AIDS diagnosis.

A substantial number of cases of HIV infection and AIDS are reported without an identified risk factor. Therefore, multiple imputation, a Centers for Disease Control and Prevention (CDC) algorithm that involves assigning values for cases with missing risk factor data is used in the tables showing estimated transmission categories for diagnoses among adults and adolescents. More information on multiple imputation can be found on the CDC guidance:

Centers for Disease Control and Prevention and Council of State and Territorial Epidemiologists. *Technical Guidance for HIV/AIDS Surveillance Programs, Volume I: Policies and Procedures*. Atlanta, Georgia (2005).

Population numbers used to calculate rates are provided by the U.S. Census Bureau, Population Estimates and Projections Program and are current as of July 1, 2019. Population denominators used to calculate rates of HIV/AIDS among men who have sex with men (MSM) were estimated through a previously published methodology. These estimates are available through 2018. For more details, see:

Oster, Alexandra & Sternberg, Maya & Lansky, Amy & Broz, Dita & Wejnert, Cyprian & Paz-Bailey, Gabriela. (2015). **Population Size Estimates for Men who Have Sex with Men and Persons who Inject Drugs**. *Journal of Urban Health: bulletin of the New York Academy of Medicine*. 92. 10.1007/s11524-015-9970-3.

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Reference: Terms and Resources

Definitions:

HIV infection and AIDS are defined, for surveillance purposes, 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:

www.cdc.gov/hiv/library/reports/hiv-surveillance.html

Beginning with 2017 data, Texas HIV surveillance reporting of gender will be based on calculations that account for both “sex assigned at birth” and “current gender identity” to illustrate data on transgender people. Transgender is a term for people whose gender identity or expression is different from their sex assigned at birth. Transgender women describes people who were assigned the male sex at birth but identify as women. Transgender men describes people who were assigned the female sex at birth but identify as men. Both values of sex assigned at birth and current gender identity are needed to accurately identify transgender individuals.

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 Texas Department of State Health Services (DSHS) with the authority to adopt rules concerning the reporting of communicable diseases; and §12.001, which provides DSHS with the authority to adopt rules for the performance of every duty imposed by law on DSHS. A copy of the rules can be obtained from DSHS at:

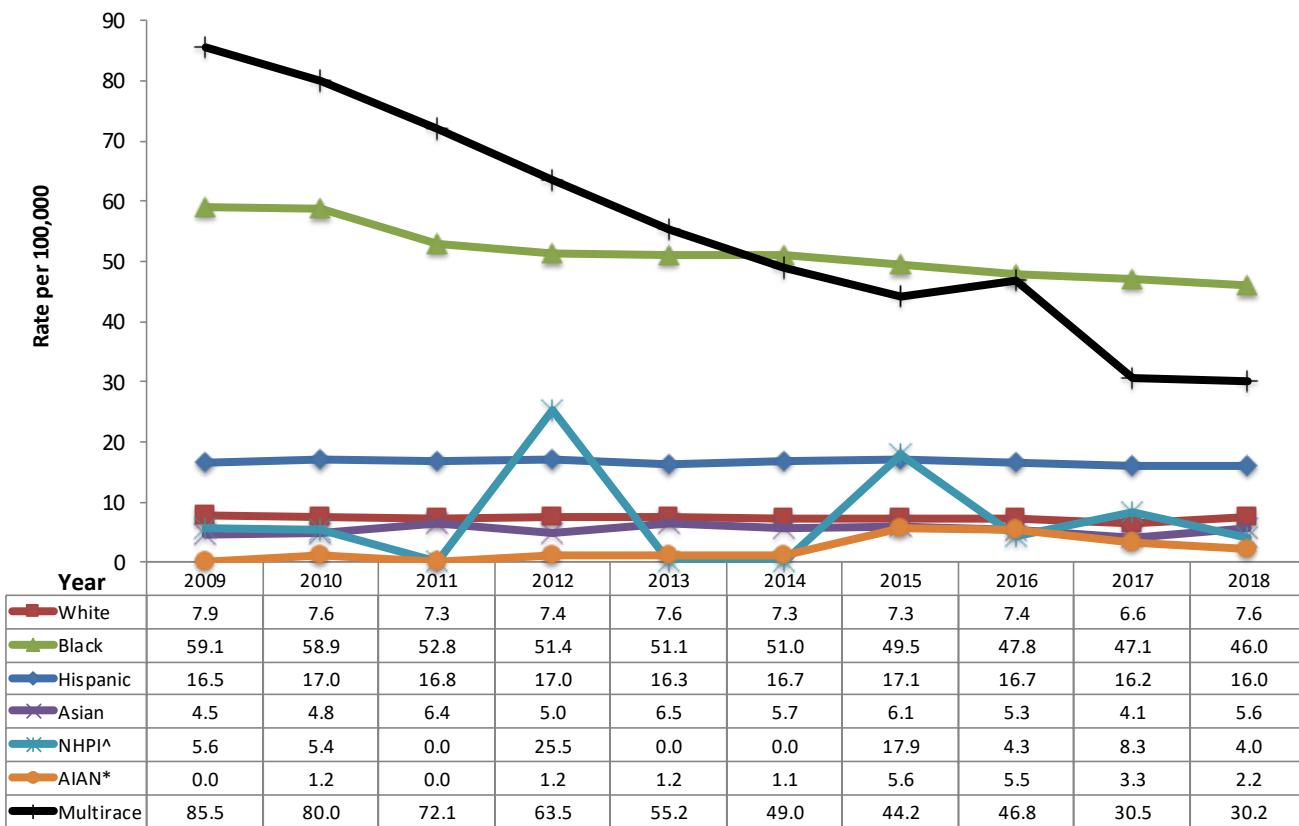
www.dshs.texas.gov/hivstd/healthcare/reporting.shtm

The *Texas HIV Surveillance Report* and the *Texas HIV Quarterly Report* can be obtained at:

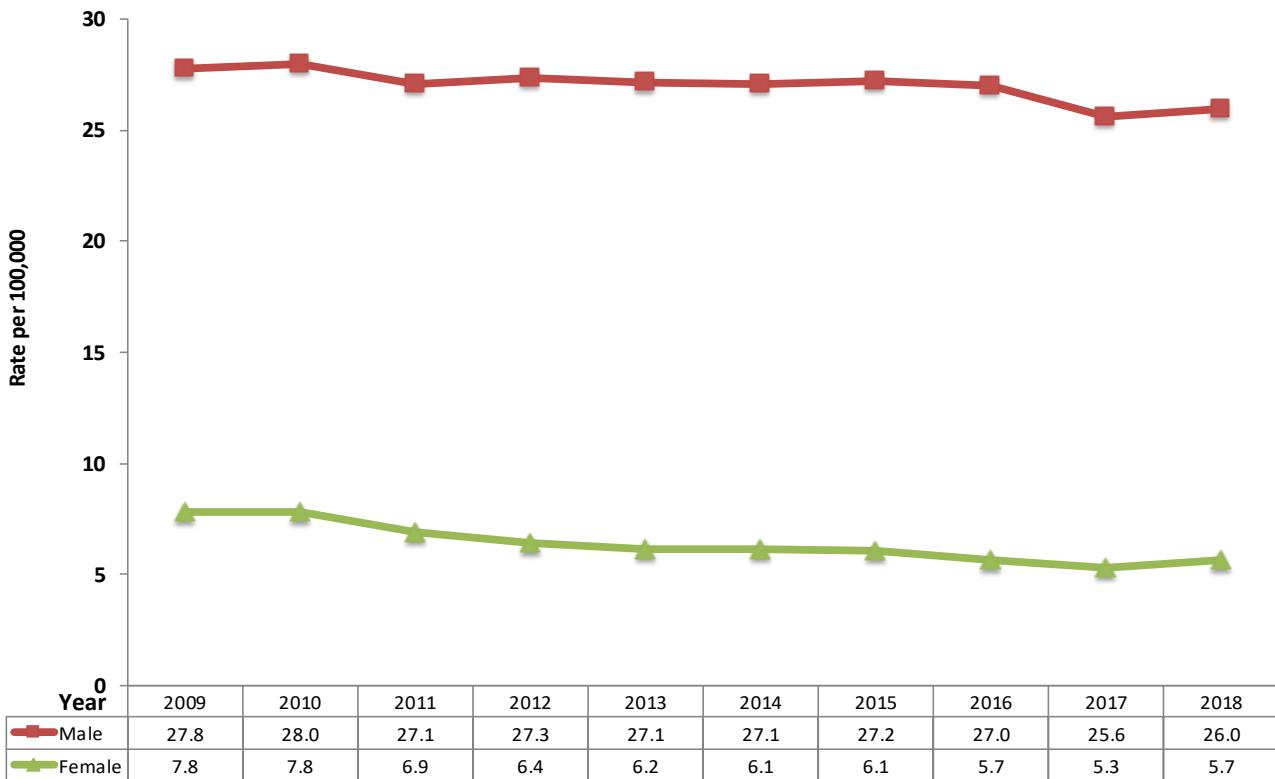
www.dshs.texas.gov/hivstd/reports/

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.

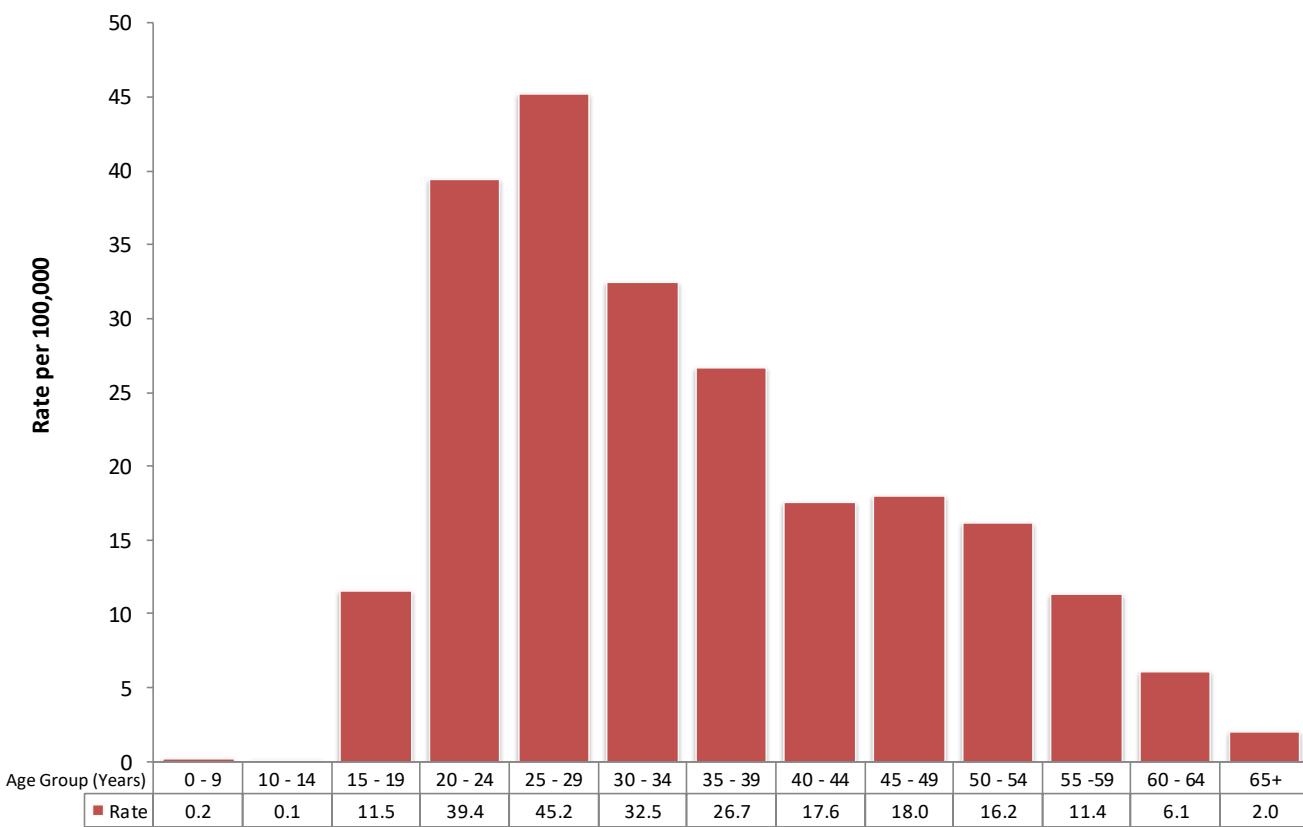
Texas New HIV Diagnoses Rates by Race and Year of Diagnosis, 2009-2018



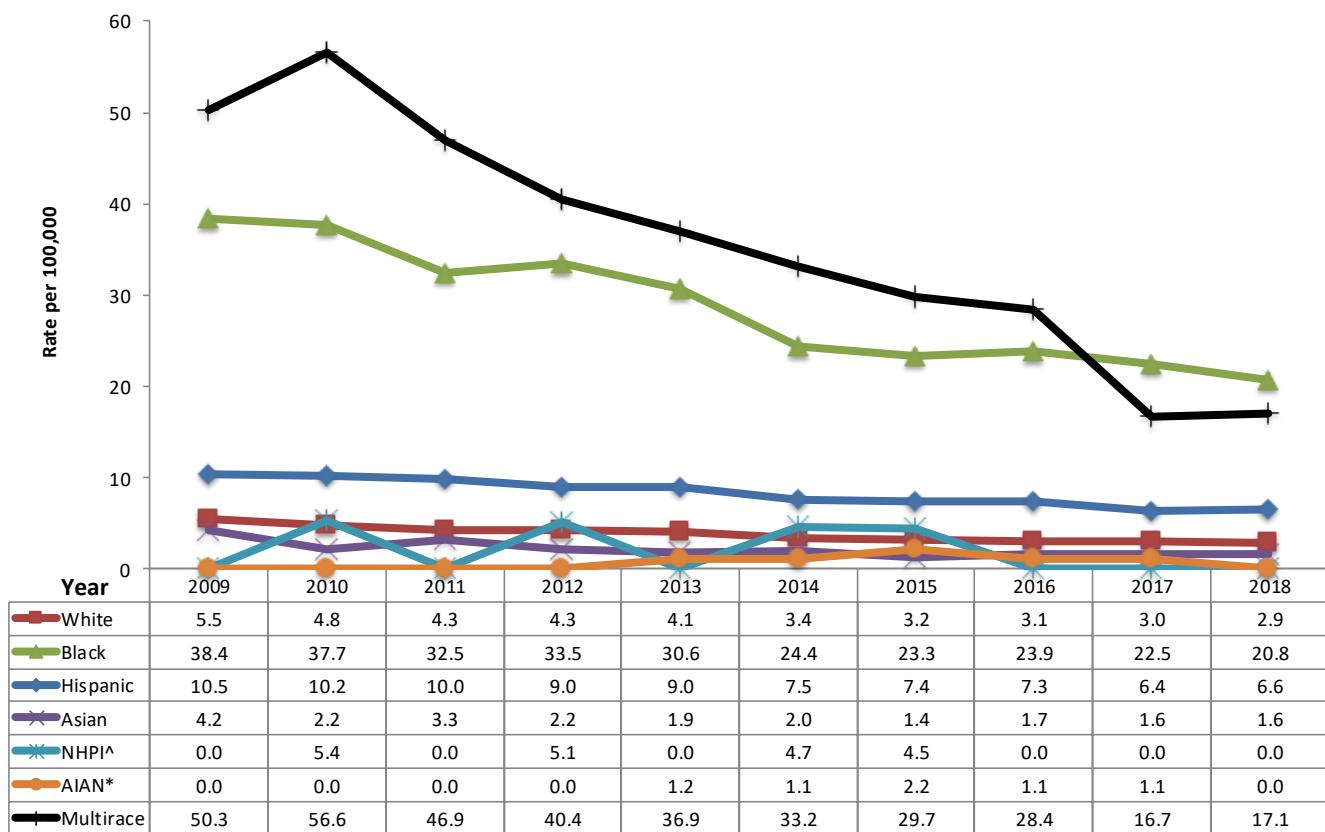
Texas New HIV Diagnoses Rates by Sex at Birth and Year of Diagnosis, 2009-2018



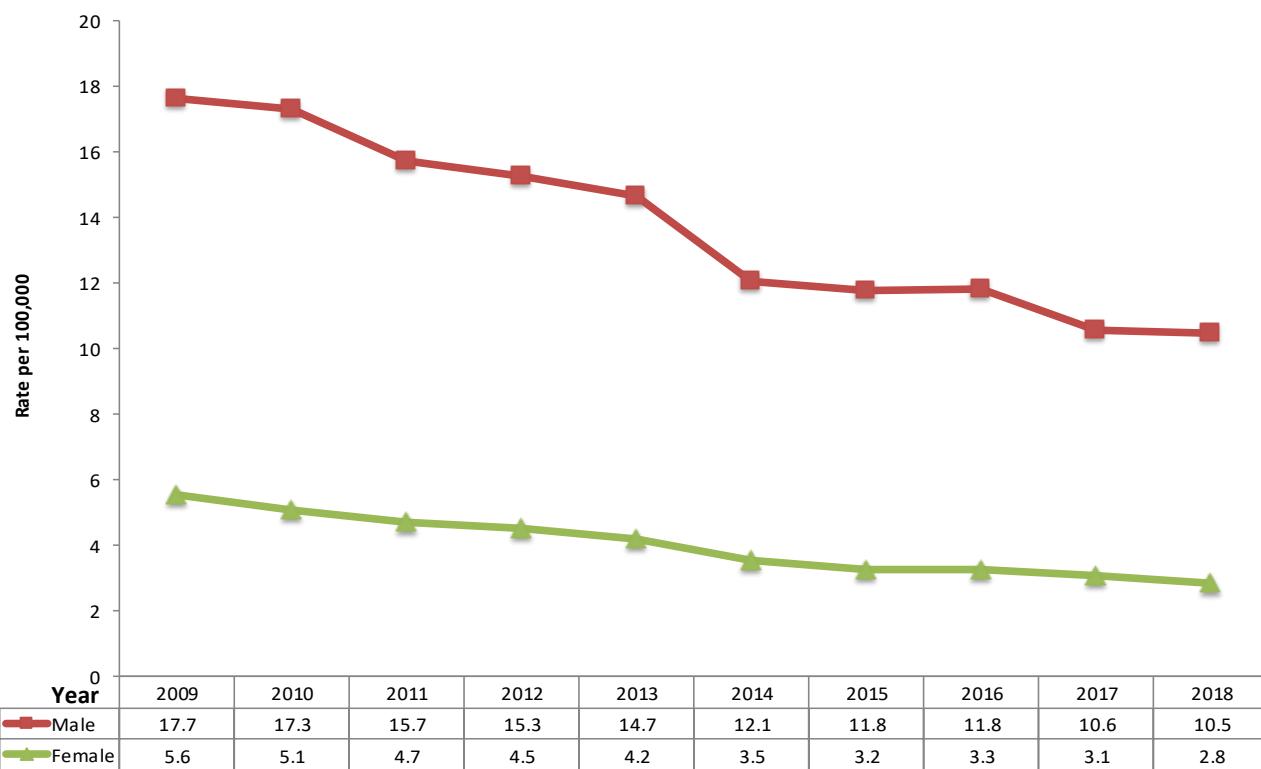
Texas HIV Diagnoses Rates by Age Group, 2018



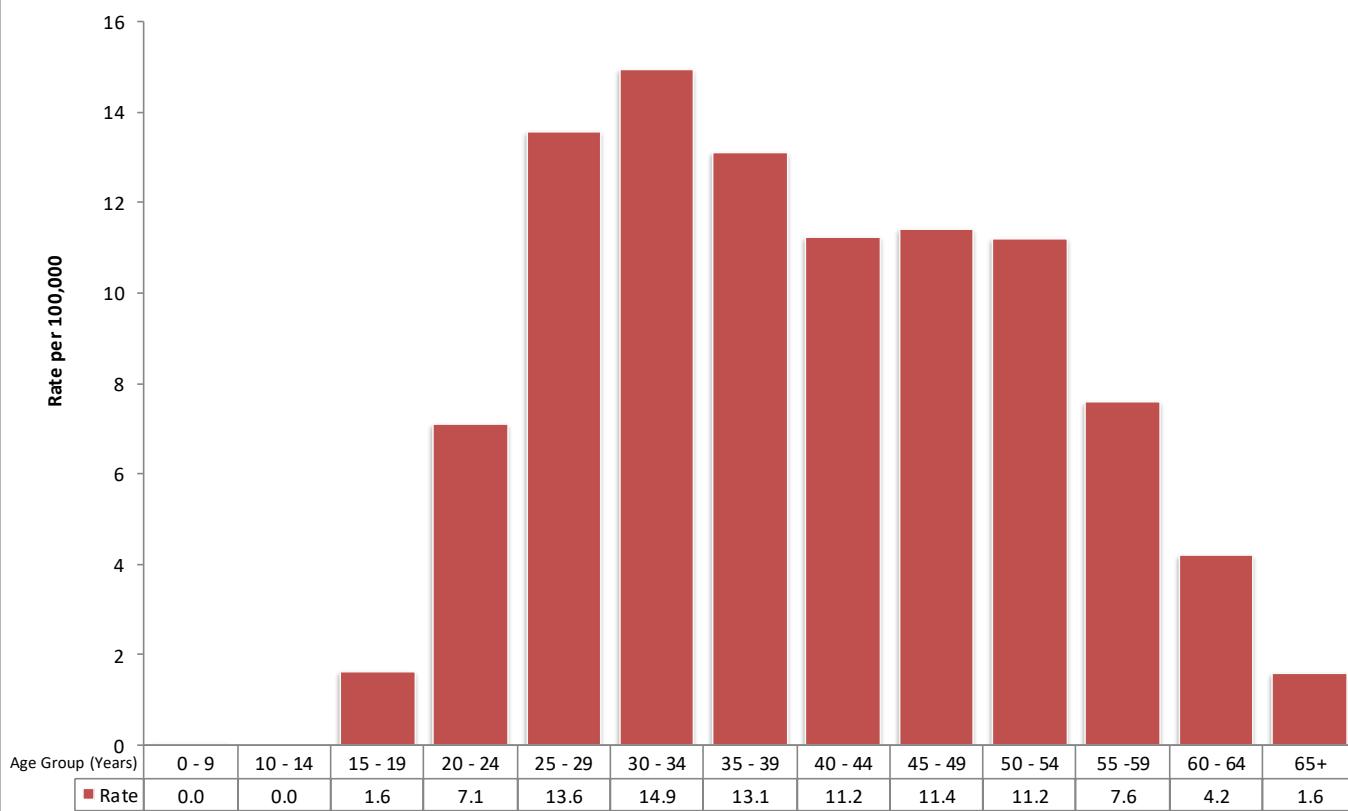
Texas AIDS Diagnosis Rates by Race and Year of Diagnosis, 2009-2018



Texas AIDS Diagnosis Rates by Sex at Birth and Year of Diagnosis, 2009-2018



Texas AIDS Diagnosis Rates by Age Group, 2018



People Living with HIV by Key Demographic Characteristics
Through December 31, 2018

	People Living with HIV	
	Cases	Rate*
Sex at Birth		
Male	74,263	520.8
Female	19,843	137.4
Current Gender Identity		
Transgender Women	801	
Transgender Men	22	
Race/Ethnicity		
White	22,895	192.2
Black	34,648	1,006.7
Hispanic	31,643	278.3
Asian	1,019	71.1
Native Hawaiian/Pacific Islander	25	99.5
American Indian/Alaskan Native	41	44.3
Multirace	3,835	898.1
Age Group (Years)**		
0 - 9	86	2.1
10 - 14	120	5.7
15 - 19	511	25.1
20 - 24	3,236	161.9
25 - 29	8,663	401.1
30 - 34	10,376	499.7
35 - 39	10,614	522.6
40 - 44	10,707	578.5
45 - 49	11,892	643.7
50 - 54	13,217	774.9
55 - 59	11,580	676.0
60 - 64	7,070	464.7
65+	6,034	167.5
Total	94,106	327.9

* Rates represent cases per 100,000 population.

** Age as of December 31, 2018

New HIV and AIDS Diagnoses by Transmission Category Among Transgender Women, 2018

Adult/Adolescent Transmission Category*	HIV	AIDS
Sexual Contact	42	26
Injection Drug Use (IDU)	0	0
Sexual Contact and IDU	3	2
Adult Other**	0	0
Adult/Adolescent Total*	45	28
Perinatal Transmission Total^	0	0
Adult/Adolescent/Perinatal Total*	45	28

New HIV and AIDS Diagnoses by Transmission Category Among Transgender Men, 2018

Adult/Adolescent Transmission Category*	HIV	AIDS
Sexual Contact	2	0
Injection Drug Use (IDU)	0	0
Adult Other**	0	0
Adult/Adolescent Total*	2	0
Perinatal Transmission Total^	0	0
Adult/Adolescent/Perinatal Total*	2	0

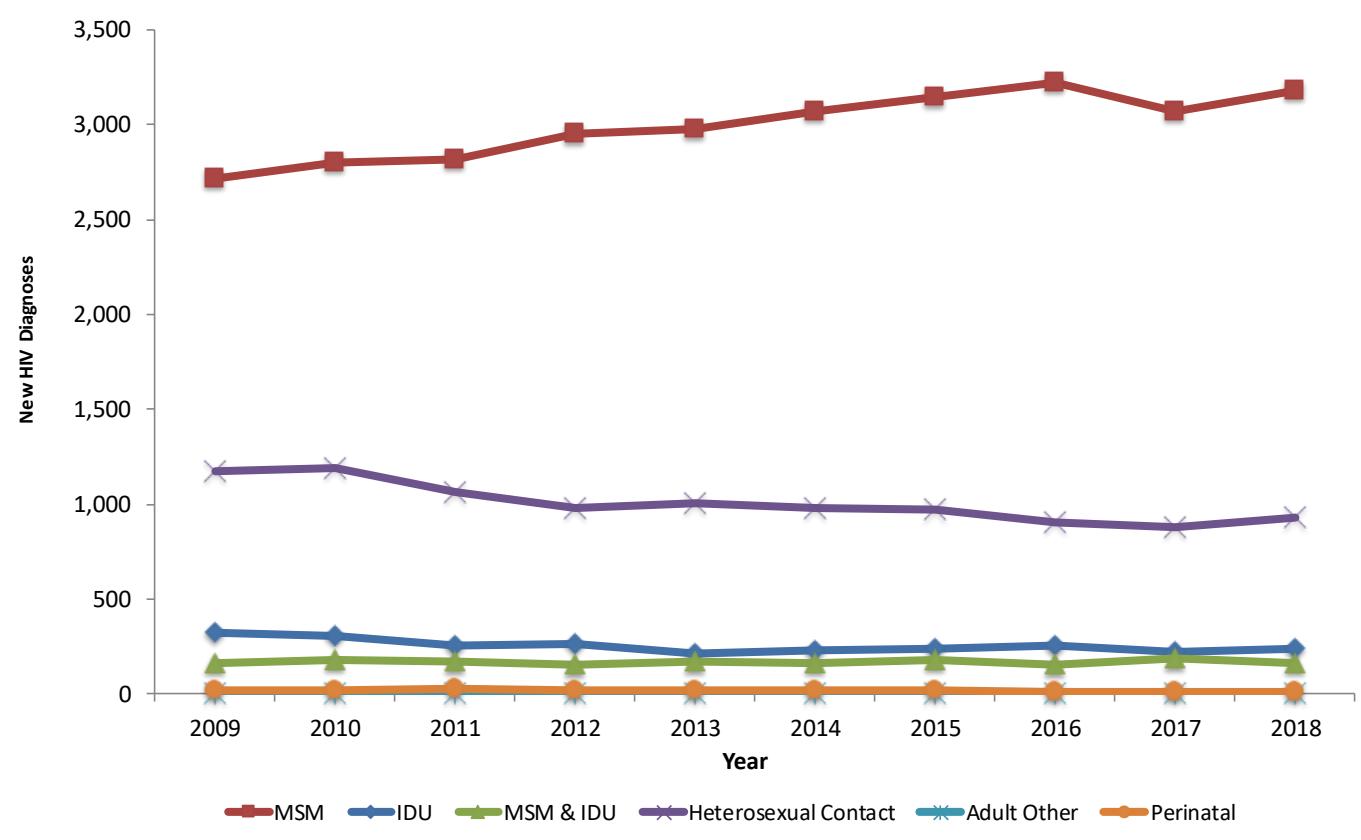
* Transmission categories are estimated, column values may not sum to the column total.

Adult/Adolescent is defined as HIV diagnosis at ≥13 years old.

**Adult Other includes received clotting factor, transfusion/transplant, other and unknown.

[^]Perinatal transmission is defined as HIV diagnosis < 13 years old.

New HIV Diagnoses by Mode of Transmission in Texas, 2009-2018



MSM—Men who have Sex with Men

IDU—Injection drug use

People Living with HIV and Cumulative HIV Diagnoses by Transmission Category Among Transgender Women

Through December 31, 2018

Adult/Adolescent Transmission Category*	People Living with HIV	Cumulative HIV Diagnoses***
Sexual Contact	703	693
Injection Drug Use (IDU)	10	9
Sexual Contact and IDU	88	100
Adult Other**	0	0
Adult/Adolescent Total*	800	802
Perinatal Transmission Total^	1	1
Adult/Adolescent/Perinatal Total*	801	803

People Living with HIV and Cumulative HIV Diagnoses by Transmission Category Among Transgender Men

Through December 31, 2018

Adult/Adolescent Transmission Category*	People Living with HIV	Cumulative HIV Diagnoses***
Sexual Contact	19	17
Injection Drug Use (IDU)	3	3
Adult Other**	0	0
Adult/Adolescent Total*	22	20
Perinatal Transmission Total^	0	0
Adult/Adolescent/Perinatal Total*	22	20

* Transmission categories are estimated; column values may not sum to the column total.

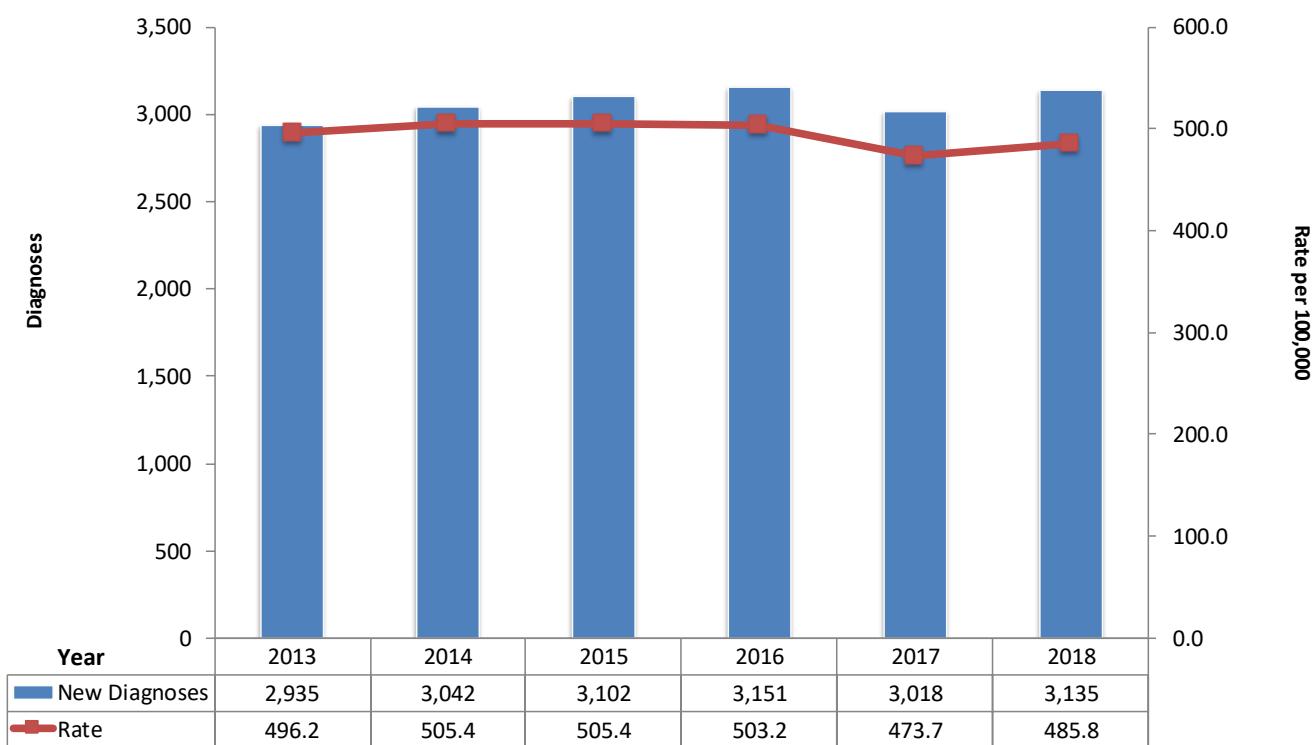
Adult/Adolescent is defined as HIV diagnosis at ≥13 years old.

**Adult Other includes received clotting factor, transfusion/transplant, other, and unknown.

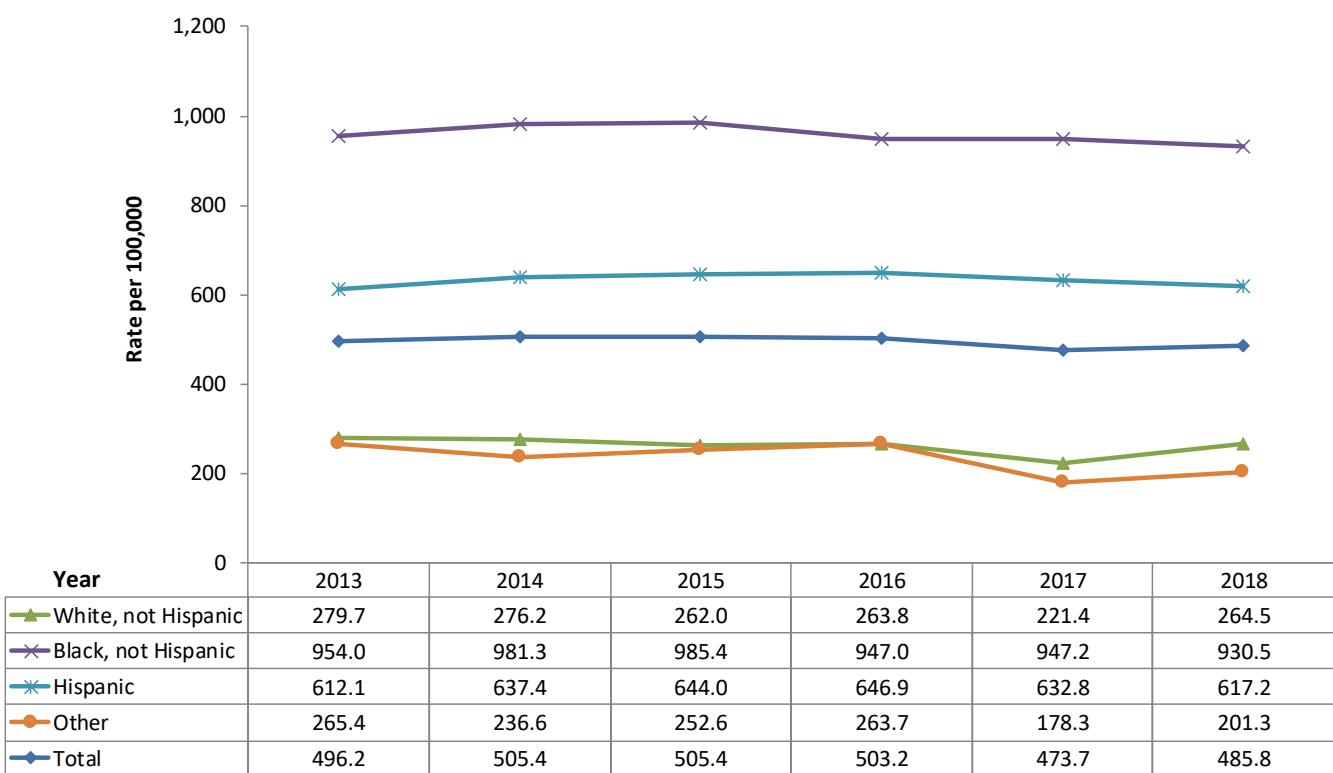
^Perinatal transmission is defined as HIV diagnosis < 13 years old.

***Cumulative diagnoses include all HIV diagnoses made in Texas since 1980 and include persons who have since died or are no longer living in Texas. People living with HIV includes all persons living with HIV whose last known residence at the end of 2018 was in Texas and may include persons diagnosed in other states.

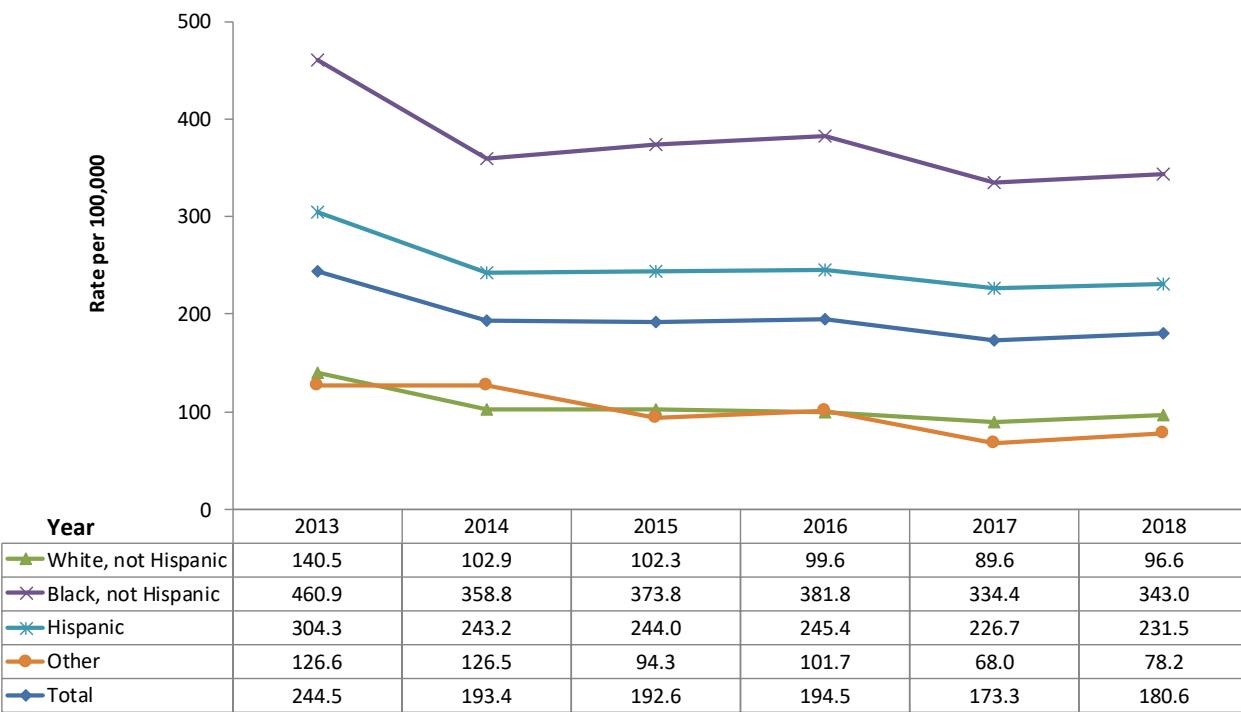
New HIV Diagnoses and Rates Among Men who Have Sex with Men in Texas, 2013-2018



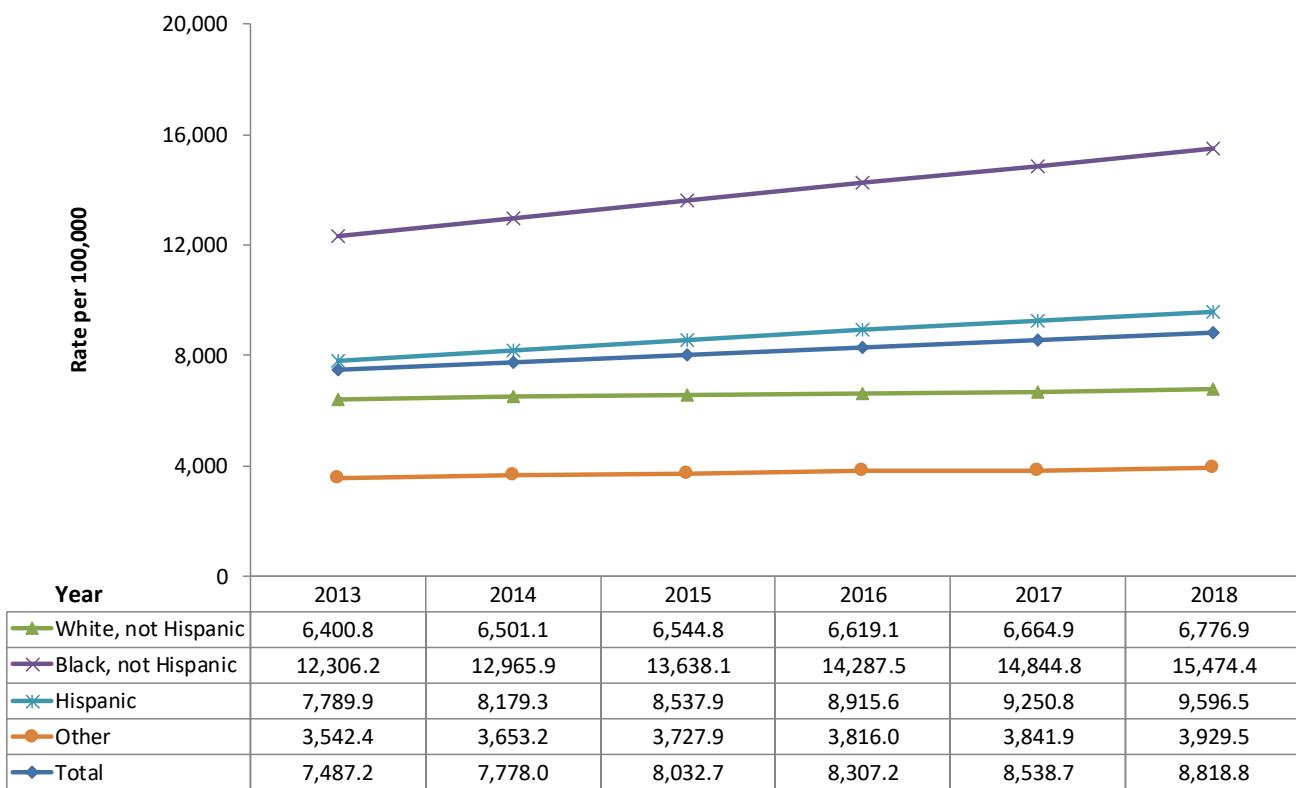
Rates of New HIV Diagnoses Among Men who have Sex with Men by Race/Ethnicity in Texas, 2013-2018



Rates of AIDS Diagnoses Among Men who have Sex with Men by Race/Ethnicity in Texas, 2013-2018



Rates of Persons Living with HIV Among Men who have Sex with Men by Race/Ethnicity in Texas, 2013-2018



25 Counties with the Highest Cases, 2018

Rank	HIV Diagnoses		AIDS		People Living with HIV	
	County	Cases	County	Cases	County	Cases
1	Harris	1,193	Harris	537	Harris	26,385
2	Dallas	811	Dallas	322	Dallas	18,684
3	Bexar	338	Bexar	139	Bexar	6,470
4	Tarrant	276	Tarrant	116	Tarrant	5,856
5	Travis	205	Travis	77	Travis	5,075
6	El Paso	137	Collin	47	El Paso	2,249
7	Collin	99	Hidalgo	43	Collin	1,939
8	Denton	89	Fort Bend	33	Fort Bend	1,589
9	Hidalgo	88	Denton	32	Denton	1,477
10	Fort Bend	85	El Paso	30	Hidalgo	1,427
11	Bell	68	Cameron	26	Galveston	1,229
12	Montgomery	53	Montgomery	25	Jefferson	947
13	Lubbock	53	Bell	22	Cameron	857
14	Jefferson	47	Jefferson	19	Montgomery	842
15	Nueces	42	Gregg	17	Bell	795
16	Cameron	41	Nueces	16	Williamson	787
17	Williamson	40	Lubbock	16	Brazoria	658
18	Galveston	35	Galveston	16	Nueces	654
19	Webb	34	Williamson	14	Lubbock	557
20	Brazoria	31	Smith	14	Gregg	499
21	Brazos	28	McLennan	14	McLennan	478
22	McLennan	27	Brazoria	12	Smith	469
23	Hays	27	Webb	11	Webb	466
24	Gregg	26	Johnson	11	Brazos	411
25	Ector	22	Ector	11	Hays	337

25 Counties with the Highest Case Rates*, 2018

Rank	HIV Diagnoses		AIDS		People Living with HIV	
	County	Rate**	County	Rate**	County	Rate***
1	Frio	45.4	Gregg	13.7	Dallas	708.3
2	Dallas	30.7	Bastrop	12.6	Harris	561.5
3	Harris	25.4	Dallas	12.2	Houston	448.9
4	Gregg	21.0	Harris	11.4	Travis	406.4
5	Walker	20.7	Orange	8.4	Gregg	403.4
6	Bell	19.1	Coryell	8.0	Jefferson	371.4
7	Jefferson	18.4	Jefferson	7.5	Galveston	363.7
8	Lubbock	17.2	Bowie	7.4	Bexar	325.8
9	Bexar	17.0	Bexar	7.0	Tarrant	280.9
10	Waller	16.9	Ector	6.8	El Paso	267.5
11	Tom Green	16.9	Potter	6.7	Polk	237.9
12	Travis	16.4	Johnson	6.4	Potter	234.0
13	El Paso	16.3	Bell	6.2	Bowie	229.0
14	Bastrop	14.9	Travis	6.2	Bell	223.5
15	Atascosa	13.9	Cameron	6.1	Marion	221.6
16	Angelina	13.8	Smith	6.1	Kinney	212.4
17	Nacogdoches	13.7	Tarrant	5.6	Matagorda	205.2
18	Ector	13.6	McLennan	5.5	Smith	203.7
19	Tarrant	13.2	Lubbock	5.2	Austin	203.4
20	Brazos	12.3	Hidalgo	5.0	Cameron	202.2
21	Webb	12.3	Brazos	4.9	Fort Bend	201.7
22	Hays	12.1	Galveston	4.7	Madison	201.1
23	Lamar	12.1	Collin	4.7	Kaufman	199.0
24	Coryell	12.0	Ellis	4.5	Bastrop	198.9
25	Polk	12.0	Nueces	4.4	Collin	192.9

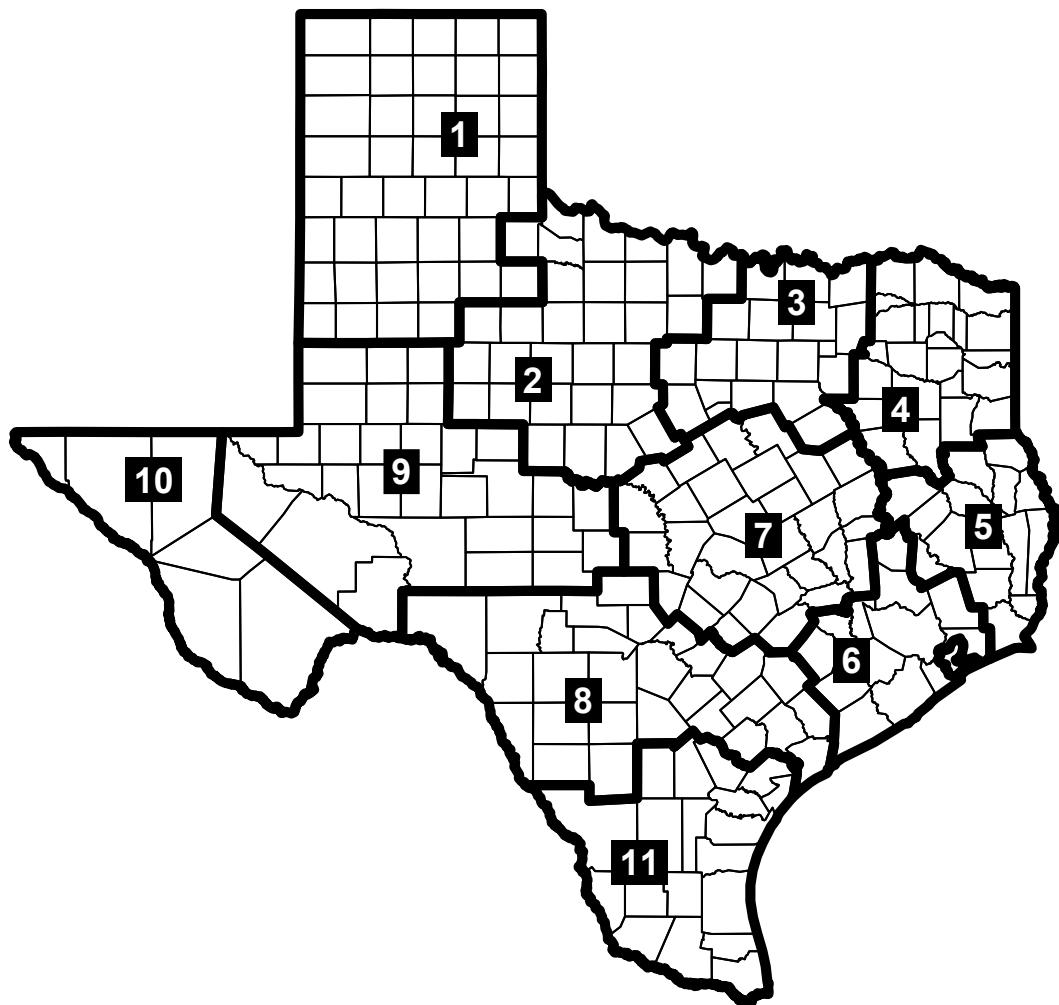
* Rates represent cases per 100,000 population.

**Rates for counties with >5 cases

***Rates for counties with >5 cases and populations >1000

**Rates for counties with >5 cases

TEXAS PUBLIC HEALTH REGIONS



**New HIV/AIDS Diagnoses, People Living with HIV, and Cumulative Diagnoses,
by Public Health Region, 2018**

Public Health Region	HIV Diagnoses*		People Living with HIV**		Cumulative HIV Diagnoses**	AIDS*	
	Cases	Rate †	Cases	Rate †	Cases	Cases	Rate †
Region 1	83	9.5	1,227	140.6	2,064	33	3.8
Region 2	41	7.5	619	112.6	1,056	14	2.5
Region 3	1,355	17.2	29,674	377.0	44,123	559	7.1
Region 4	98	8.5	2,153	186.7	3,226	68	5.9
Region 5	100	12.8	1,869	239.4	3,216	47	6.0
Region 6	1,442	20.1	31,316	436.8	53,825	642	9.0
Region 7	450	12.8	8,770	249.4	12,946	177	5.0
Region 8	392	13.1	7,585	252.5	11,582	166	5.5
Region 9	59	9.0	765	117.3	1,221	25	3.8
Region 10	140	16.2	2,274	262.5	3,376	30	3.5
Region 11	218	9.6	3,731	164.5	5,672	98	4.3
ICE Facility^	31		568		365	11	
Fed Prisons	17		570		412	5	
TDCJ ‡	94		2,985		4,631	32	
State Total	4,520	15.7	94,106	327.9	147,715	1,907	6.6

* 2018 diagnoses.

** Through December 31, 2018.

† Rates represent cases per 100,000 population.

^ Immigration and Customs Enforcement.

‡ Texas Department of Criminal Justice.

**Top 50 HIV Diagnoses and AIDS Diagnoses by City of Residence*,
2018**

City of Residence	HIV	AIDS
HOUSTON	968	461
DALLAS	580	233
SAN ANTONIO	295	123
AUSTIN	188	70
EL PASO	128	29
FORT WORTH	121	62
TDCJ^	105	32
ARLINGTON	82	29
IRVING	48	13
LUBBOCK	47	17
KILLEEN	43	13
HUMBLE	39	17
CORPUS CHRISTI	38	14
LAREDO	36	11
SPRING	36	12
GARLAND	35	16
KATY	35	11
GRAND PRAIRIE	33	17
ICE**	32	11
PLANO	31	16
BEAUMONT	30	14
MESQUITE	28	12
LONGVIEW	26	16
WACO	25	14
MCALLEN	25	10
FED PRISONS	21	5
DENTON	21	8
CONROE	20	9
MISSOURI CITY	19	8
CARROLLTON	18	10
ODESSA	18	10
AMARILLO	17	12
PASADENA	17	8
TYLER	17	10
LEWISVILLE	16	6
SAN ANGELO	16	4
BAYTOWN	15	4
BRYAN	15	7
EDINBURG	15	5
RICHARDSON	15	8
ROUND ROCK	15	4
HARLINGEN	15	13
BROWNSVILLE	14	5
CEDAR HILL	14	8
FRISCO	14	10
MIDLAND	14	6
MISSION	14	7
LUFKIN	14	3
DESOTO	13	3
MCKINNEY	13	6

* Top cities by total number of HIV/AIDS cases diagnosed; ^Texas Department of Criminal Justice; **Immigration and Customs Enforcement