

**2019**

# **SUBURBAN REGION ANNUAL HIV EPIDEMIOLOGICAL PROFILE**

**Data reported through  
June 30, 2020**

**CENTER FOR HIV  
SURVEILLANCE,  
EPIDEMIOLOGY AND  
EVALUATION**

Infectious Disease Prevention and  
Health Services Bureau  
Prevention and Health Promotion  
Administration



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## On the Web

<https://phpa.health.maryland.gov/OIDEOR/CHSE/SiteAssets/Pages/statistics/Suburban-Region-Annual-HIV-Epidemiological-Profile-2019>

## Additional Information and Reporting Instructions

<https://phpa.health.maryland.gov/OIDEOR/CHSE/pages/Home.aspx>

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## Section I – Summary of Analyses and Technical Notes

### Highlights of Analyses

The Center for HIV Surveillance, Epidemiology and Evaluation in the Maryland Department of Health is responsible for the collection, analysis, and dissemination of HIV surveillance data for the state of Maryland. The annual epidemiological profiles, fact sheets, maps and other reports attempt to summarize information about the HIV epidemic in Maryland.

All rates are per 100,000 population.

#### HIV Diagnoses

During 2019, there were 424 reported HIV diagnoses in the Suburban Region. The Suburban Region includes Montgomery County and Prince George's County. Data presented below describe HIV diagnoses in the Suburban Region, among people age 13 years and older, during 2019.

- Geographic distribution: Prince George's County accounted for the highest number (289, 68.2%) and rate (38.0) of HIV diagnoses in the Suburban Region.
- Age: Persons aged 20-39 years accounted for the highest number (249, 58.7%) of HIV diagnoses. The highest rate was among 20-29-year-olds (53.1).
- Sex at Birth: Males accounted for the highest number (290, 68.4%) of HIV diagnoses. The rate among males was 37.1 and 15.6 among females.
- Race/Ethnicity: Non-Hispanic Blacks accounted for the highest number (324, 76.4%) and the highest rate (50.4) of HIV diagnoses.
- Exposure Category: Male-to-male sexual contact accounted for the highest number (207, 48.9%) of diagnoses.

#### People living with Diagnosed HIV

At the end of 2019, there were 11,470 people living with diagnosed HIV in the Suburban Region. Data presented below describe people living with diagnosed HIV, aged 13 years and older, in the Suburban Region.

- Geographic distribution: Prince George's County accounted for the highest number (7,926, 69.1%) of people living with diagnosed HIV, as well as the highest rate (1,041.5).
- Age: Persons aged 40-59 years accounted for the highest number (5,840, 50.8%) of people living with diagnosed HIV. The highest rate was among 50-59-year-olds (1,128.6).
- Sex at Birth: Males accounted for the highest number (7,574, 66.0%) of people living with diagnosed HIV. The rate among males was 969.8 and 454.3 among females.
- Race/Ethnicity: Non-Hispanic Blacks accounted for the highest number (8,790, 76.6%) of the people living with diagnosed HIV, as well as the highest rate (1,368.1).
- Exposure Category: Male-to-male sexual contact (5,166, 45.0%) and heterosexual sexual contact (5,108, 44.5%) accounted for the majority of the total people living with diagnosed HIV in the Suburban Region.

#### Engagement in HIV Care

- HIV diagnosed: Among people living with HIV in the Suburban Region, it is estimated that 89.2% have been diagnosed, while an estimated 1,389 people with HIV in the Suburban Region remain undiagnosed.
- Linked to care: During 2019, 88.7% of reported HIV diagnoses were linked to HIV care within one month of their HIV diagnosis.
- Retained in care: Among people living with diagnosed HIV, 77.9% were retained in care during 2019.
- Viral suppression: In 2019, 68.4% of people living with diagnosed HIV achieved viral suppression.

## Technical Notes

### HIV/AIDS Reporting

The Maryland HIV/AIDS Reporting Act of 2007 requires that people living with HIV be reported by name to the Maryland Department of Health. As per the reporting requirements of Health-General Articles 18-201.1, 18-202.1, and 18-205 of the Annotated Code of Maryland, as specified in the Code of Maryland Regulations (COMAR) 10.18.02, physicians are required to report patients in their care with diagnoses of HIV or AIDS and infants born to mothers living with HIV, clinical and infection control practitioners in medical and correctional facilities are required to report patients in the care of the institution with diagnoses of HIV or AIDS, and laboratory directors are required to report all HIV diagnostic and HIV-related monitoring test results, including HIV negative test results.

### Report Changes

In order to be responsive to changing data needs, the following updates have been made to this report:

- The Background Information section has been replaced with the Summary of Analyses and Technical Notes section.
- Tables describing new HIV diagnoses by geography have been restructured. All new HIV and AIDS diagnoses will appear in Table 1. All laboratory data and outcomes for new HIV diagnoses will be described in Table 2. In the county level reports, only ZIP codes with at least five new HIV diagnoses during the specified year will be included in tables describing laboratory data and outcomes.
- Tables describing people living with diagnosed HIV by sex at birth and race/ethnicity have been added to the demographics section (Section VI).
- Mean years from HIV to AIDS diagnosis and the percentage of late HIV diagnoses among AIDS diagnoses is no longer presented in tables. Aggregate disease progression data by year is presented in Figure 10.

- The population pyramids figure describing people living with diagnosed HIV by race/ethnicity, sex at birth, and age is no longer included in this report.
- The treemap figure presenting data by sex at birth, race/ethnicity, and exposure category is no longer included in this report.

### Data Specifications

Surveillance is the ongoing systematic collection, analysis, interpretation, and dissemination of data. Data are only available for people that have been diagnosed with HIV by a health care provider, were residents of Maryland at the time of diagnosis or are current residents of Maryland as of December 31, 2019, are receiving medical care (often only at facilities in Maryland), and only includes information that has been reported to the health department.

Data presented were reported to the Maryland Department of Health through June 30, 2020. Reported new diagnoses and estimates of people living with diagnosed HIV are as of December 31, 2019.

This report presents data with a six-month reporting delay. This lag allows for time to report case and laboratory data and to complete investigations. Due to reporting delays, estimates by exposure category and mortality are preliminary.

Please read all table titles and footnotes carefully to ensure a complete understanding of the displayed data.

#### New HIV Infections

The Centers for Disease Control and Prevention (CDC), using national surveillance data, estimates that the number of people living with undiagnosed HIV infection, among people living with HIV, is 13.8 percent in the United States.<sup>1</sup> Applying the same estimation method to Maryland surveillance data, the estimated number of people living with undiagnosed HIV infection in Maryland is 10.8 percent in 2018.

<sup>1</sup>Centers for Disease Control and Prevention. Estimated HIV incidence and prevalence in the United States, 2014–2018. HIV Surveillance Supplemental Report 2020;25(No. 1). <http://www.cdc.gov/hiv/library/reports/hiv-surveillance.html>. Published May 2020. Accessed May 2020

### AIDS Diagnoses

CD4+ T-lymphocyte tests are measures of a person's immune system function. An adult living with diagnosed HIV is considered to have AIDS if they have less than 200 CD4+ cells per microliter of blood or if the percent of T-Lymphocyte cells that are CD4+ is less than 14 percent.

### Mortality

People are assumed to be alive unless reported as deceased to the Maryland Department of Health. Caution should be exercised when interpreting mortality estimates for recent years due to delays in reporting.

### Engagement in HIV Care

Treatment recommendations are that a person in HIV medical care should have their CD4 and viral load levels measured regularly, at least once per year. The presence of these lab tests is used as an indicator that someone has been "linked to care" after diagnosis or is "retained in care."

### Viral Suppression

Viral load tests are measures of the amount of HIV in a person's body. The goal of HIV treatment is to have a low number of copies of virus per milliliter of blood, below what the test can measure, which is called an undetectable level. Low levels of viral load, such as less than 200 copies per milliliter of blood, is known as viral suppression. Estimates of viral suppression among people living with diagnosed HIV are inclusive of people diagnosed in the specified year; therefore, they may not have had sufficient time to engage in HIV care and/or achieve viral suppression.

### Geographic Distribution

Residence at diagnosis is used exclusively to describe new HIV and AIDS diagnoses. Estimates describing the number of people living with diagnosed HIV use current residence. Current residence estimates are restricted to people for which there is a case report form or laboratory test reported since January 1, 2009. Restricting address data to recent years presents the most accurate data available and helps to account for people that may have moved out of state whose data would no longer be reported in Maryland. However, current residence data excludes people that may still be residents of Maryland but have not received any HIV care since prior to 2009.

In addition, residence is dynamic and people living with diagnosed HIV may have resided at multiple addresses that cannot all be represented in single time point estimates.

### Residents of Correctional Facilities

People living with diagnosed HIV who were reported to be residing in a state or federal prison will be described for Maryland only. For surveillance purposes, pre- or post-incarceration residential addresses are used for people living with diagnosed HIV who were incarcerated in local jails and detention centers.

### Gender Identity

This epidemiological profile describes people by gender identity. Gender identity is one's internal understanding of one's own gender or the gender with which a person identifies. Historically, it has been difficult to present data by gender identity. No reliable system exists for collecting or reporting gender identity and some agencies do not collect or have complete data on gender identity. This report is likely underreporting the number gender diverse people (defined as people who have a gender identity or gender expression that differs from their assigned sex at birth) living with diagnosed HIV because of challenges in accurately identifying and reporting gender identity in HIV surveillance.

### Race/Ethnicity

The completeness of reporting for race/ethnicity is variable in surveillance data. Definitions of race/ethnicity categories may vary across agencies and some agencies do not collect or have complete data on race/ethnicity.

### Country of Birth

The completeness of reporting a person's country of birth is variable in surveillance data. Not all agencies collect or have complete data on nativity. In addition, some individuals may immigrate to the U.S. with HIV. HIV testing data from other countries is often unavailable for these people; therefore, they are counted as a new diagnosis following their first HIV related lab test in the United States, even if they were first diagnosed elsewhere.

### HIV Exposure Categories

The CDC developed a hierarchy of exposure categories for surveillance purposes. Persons with more than one reported risk factor are classified in the exposure category listed first in the hierarchy and therefore counted only once. Men who report a history of sexual contact with other men and report injection drug use constitutes a separate transmission category.

### Sources of Data

Information on HIV and AIDS diagnoses, including residence, age, race/ethnicity, sex at birth, current gender, country of birth, vital status, HIV exposure category, and CD4 and HIV viral load test results are from the Maryland Department of Health's Enhanced HIV/AIDS Reporting System (eHARS), as of June 30, 2020.

Population data by sex, age, and race/ethnicity are from the July 1, 2019 U.S. Census Estimates. Population data by country-of-birth are from the Census Bureau's 2018 American Community Survey. This produces a difference in total population due to the different source. Due to estimation limitations, some population totals may not equal the sum of its components. When needed, age groups were divided by assuming uniform age distribution within the age group. Non-Hispanic multiple race and Non-Hispanic some other race from the Census were combined into one group.

### Tabulation of Column Totals

Numbers in figures, tables and generally in the text have been rounded. Discrepancies in tables between totals and sums of components are due to rounding.

### Data Suppression

In order to protect the confidentiality of people living with diagnosed HIV, data are suppressed in the following instances:

- Data describing a demographic group or geographic area (e.g. ZIP code) with a population less than 1,000 people.
- All clinical/laboratory information if it is describing less than five people.
- If any cell is suppressed, additional cells are also suppressed as necessary to prevent back calculation of the suppressed cell(s).

Tables presenting clinical/laboratory information for reported new diagnoses by ZIP code will present only ZIP codes with at least five people.

Exposure/risk data is not suppressed due to statistical adjustments resulting in the presentation of estimated or probable risk.

### Multiple Imputation

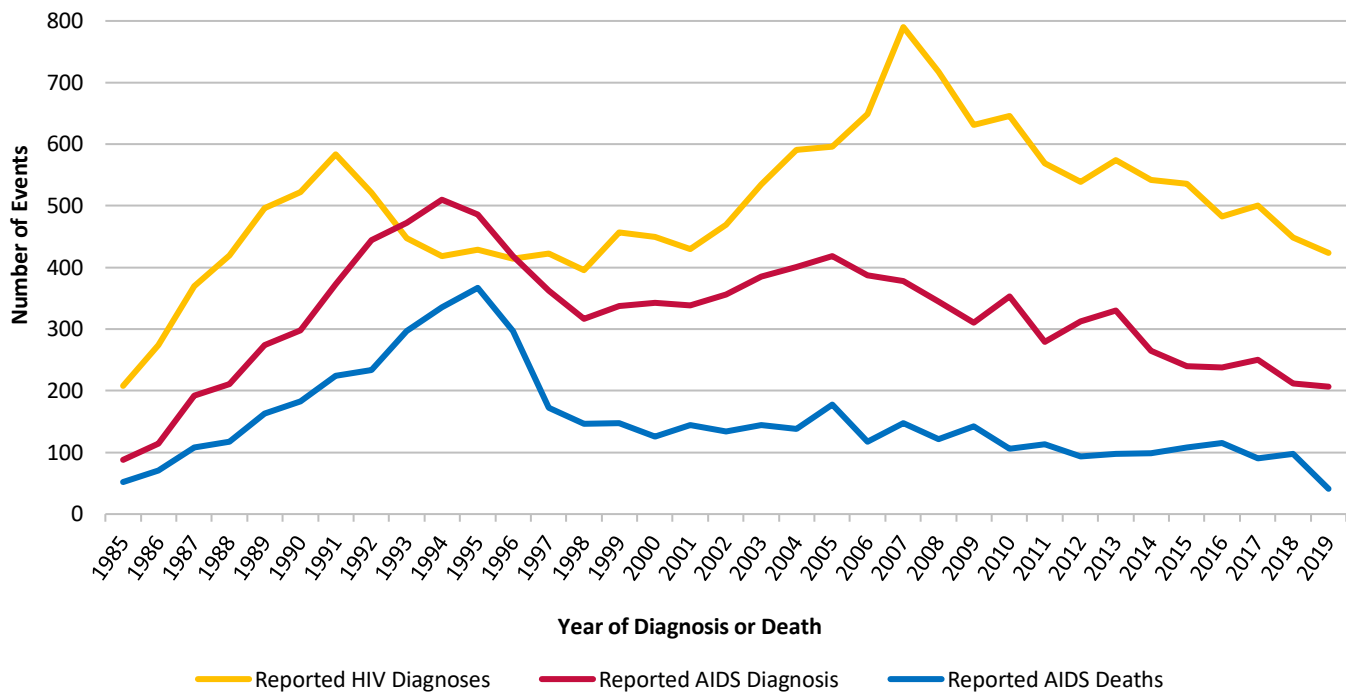
Not all exposure data is reported and is therefore missing in some instances. Multiple imputation is a statistical method by which missing exposure categories are replaced with estimated or probable exposure categories. Perinatal transmission and other exposure categories are never estimated or adjusted and depict the reported exposure category.



## Section II – Trends 1985-2019

**Figure 1 – Trends in Reported HIV and AIDS Diagnoses and Deaths, Among Residents at Diagnosis, 1985-2019, Reported through June 30, 2020**

People Diagnosed with HIV (Reported HIV Diagnoses) by Year of HIV Diagnosis, People Diagnosed with HIV with an AIDS Diagnosis (Reported AIDS Diagnoses) by Year of AIDS Diagnosis, and People Diagnosed with HIV with an AIDS Diagnosis Reported to have Died of Any Cause (Reported AIDS Deaths) by Year of Death, from 1985 through 2019, as Reported through June 30, 2020

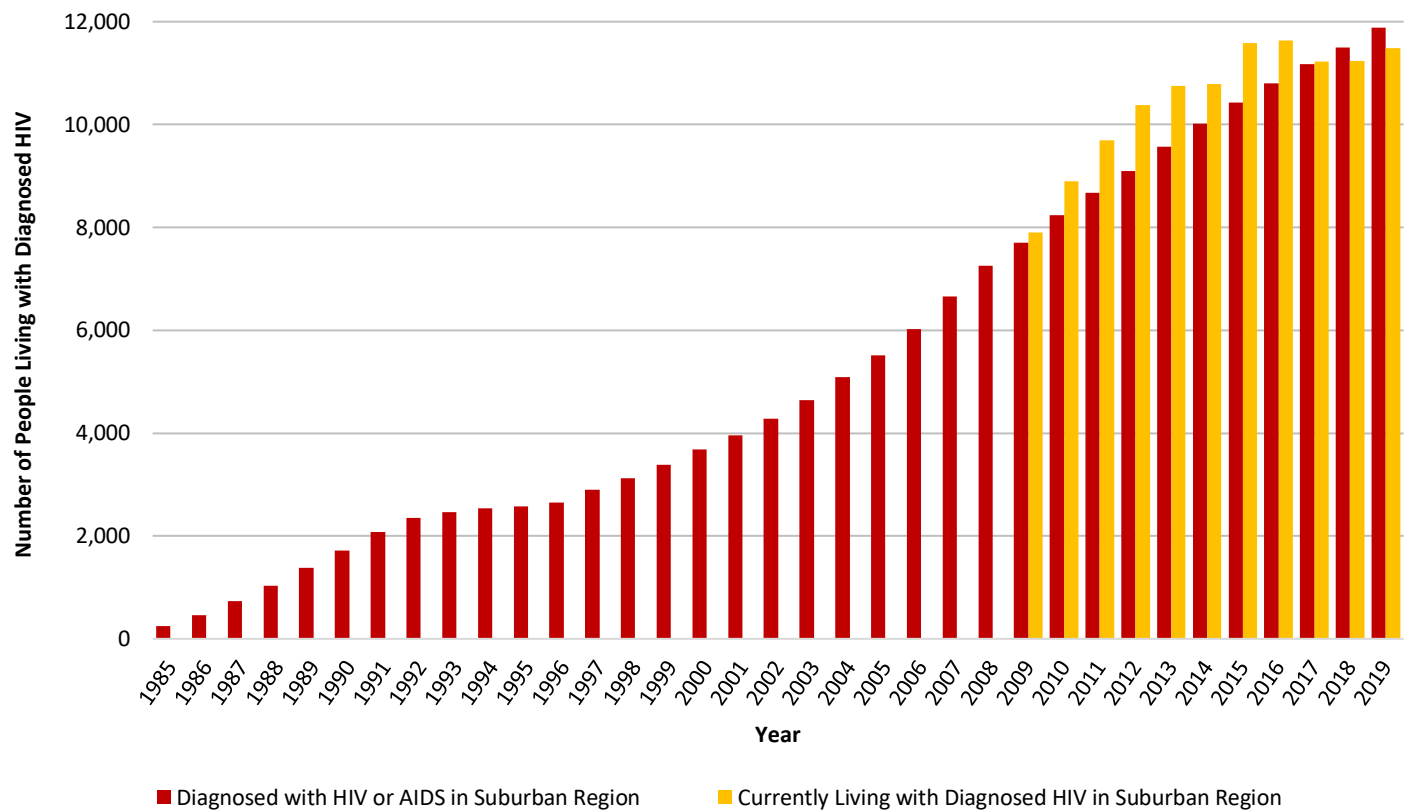


Year of Diagnosis or Death	Reported HIV Diagnoses	Reported AIDS Diagnoses	Reported AIDS Deaths	Year of Diagnosis or Death	Reported HIV Diagnoses	Reported AIDS Diagnoses	Reported AIDS Deaths
<1985	116	56	27	2002	469	356	134
1985	208	88	52	2003	535	385	144
1986	274	114	71	2004	591	401	138
1987	370	192	108	2005	596	418	178
1988	420	211	117	2006	649	387	117
1989	496	274	163	2007	790	378	148
1990	522	298	183	2008	717	345	122
1991	584	373	224	2009	631	311	142
1992	521	444	234	2010	646	353	106
1993	448	472	297	2011	569	279	113
1994	418	510	335	2012	539	313	94
1995	429	486	367	2013	574	330	98
1996	414	419	297	2014	542	265	99
1997	423	362	172	2015	536	240	108
1998	396	317	146	2016	483	238	115
1999	457	338	148	2017	500	250	90
2000	450	343	126	2018*	449	212	98
2001	430	339	144	2019*	424	207	41
				<b>Total</b>	<b>17,616</b>	<b>11,304</b>	<b>5,296</b>

\*2018-2019 reported AIDS deaths are preliminary

**Figure 2 – Trends in People Living with Diagnosed HIV, Among Residents at Diagnosis, 1985-2019, Reported through June 30, 2020**

People Living with Diagnosed HIV in the Suburban Region and Not Reported to have Died as of December 31st of Each Year (People who were Diagnosed with HIV or AIDS in the Suburban Region and/or People who are Currently Living with Diagnosed HIV in the Suburban Region) from 1985 through 2019, as Reported through June 30, 2020

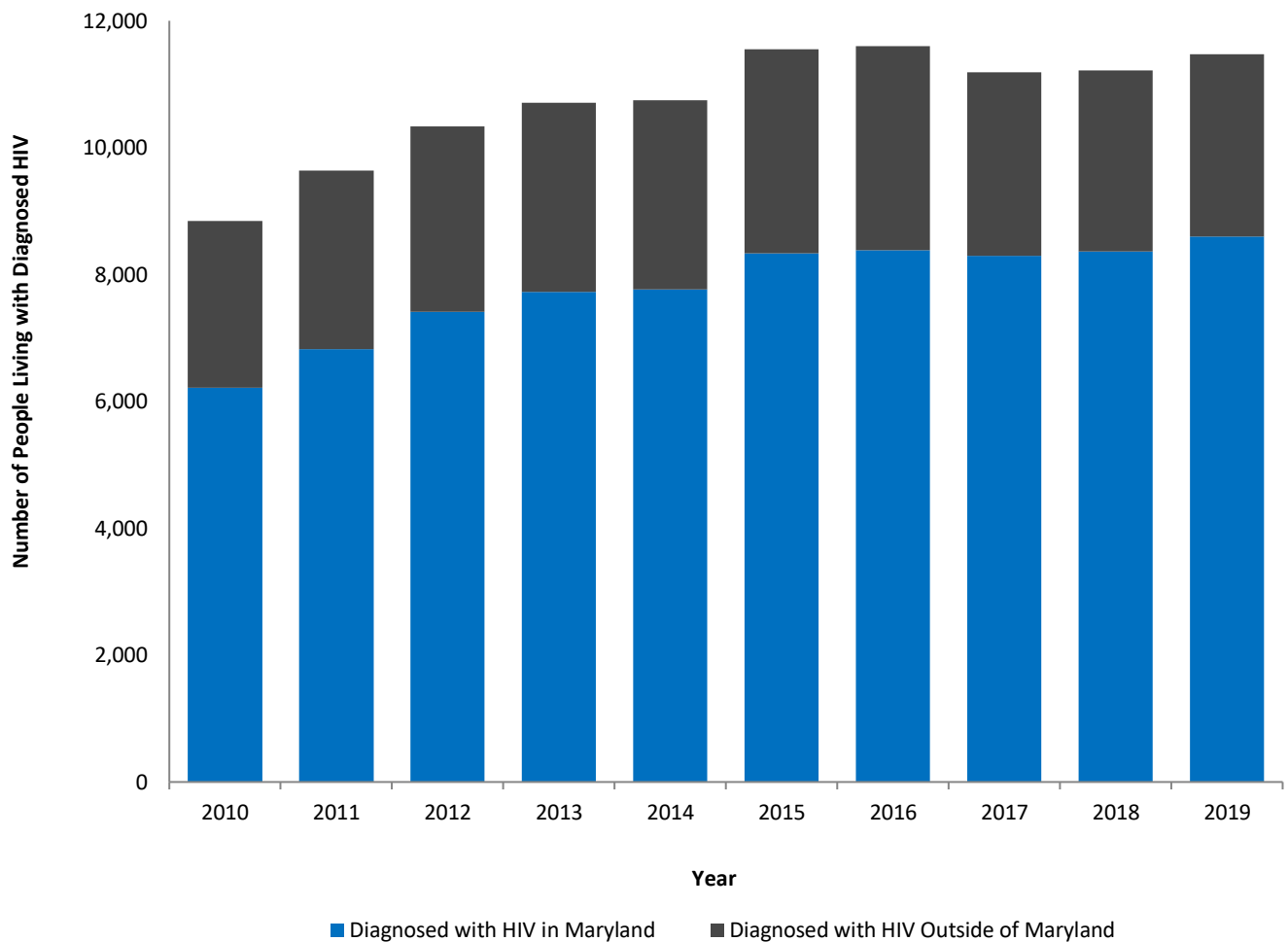


People Living with Diagnosed HIV			People Living with Diagnosed HIV		
Year	Diagnosed with HIV or AIDS in the Suburban Region	Current Residents	Year	Diagnosed with HIV or AIDS in the Suburban Region	Current Residents
1985	253	--	2003	4,639	--
1986	456	--	2004	5,086	--
1987	729	--	2005	5,508	--
1988	1,034	--	2006	6,019	--
1989	1,380	--	2007	6,661	--
1990	1,717	--	2008	7,250	--
1991	2,075	--	2009	7,702	7,897
1992	2,349	--	2010	8,234	8,898
1993	2,464	--	2011	8,677	9,691
1994	2,535	--	2012	9,102	10,383
1995	2,571	--	2013	9,565	10,747
1996	2,654	--	2014	10,018	10,785
1997	2,894	--	2015	10,427	11,588
1998	3,123	--	2016	10,801	11,638
1999	3,386	--	2017	11,173	11,218
2000	3,685	--	2018	11,500	11,239
2001	3,961	--	2019	11,884	11,488
2002	4,274	--			

Note. Current residence for people living with diagnosed HIV is unavailable prior to 2009.

### Figure 3 – Trends in People Aged 13+ Living with Diagnosed HIV, Among Current Residents, 2010-2019, Reported through June 30, 2020

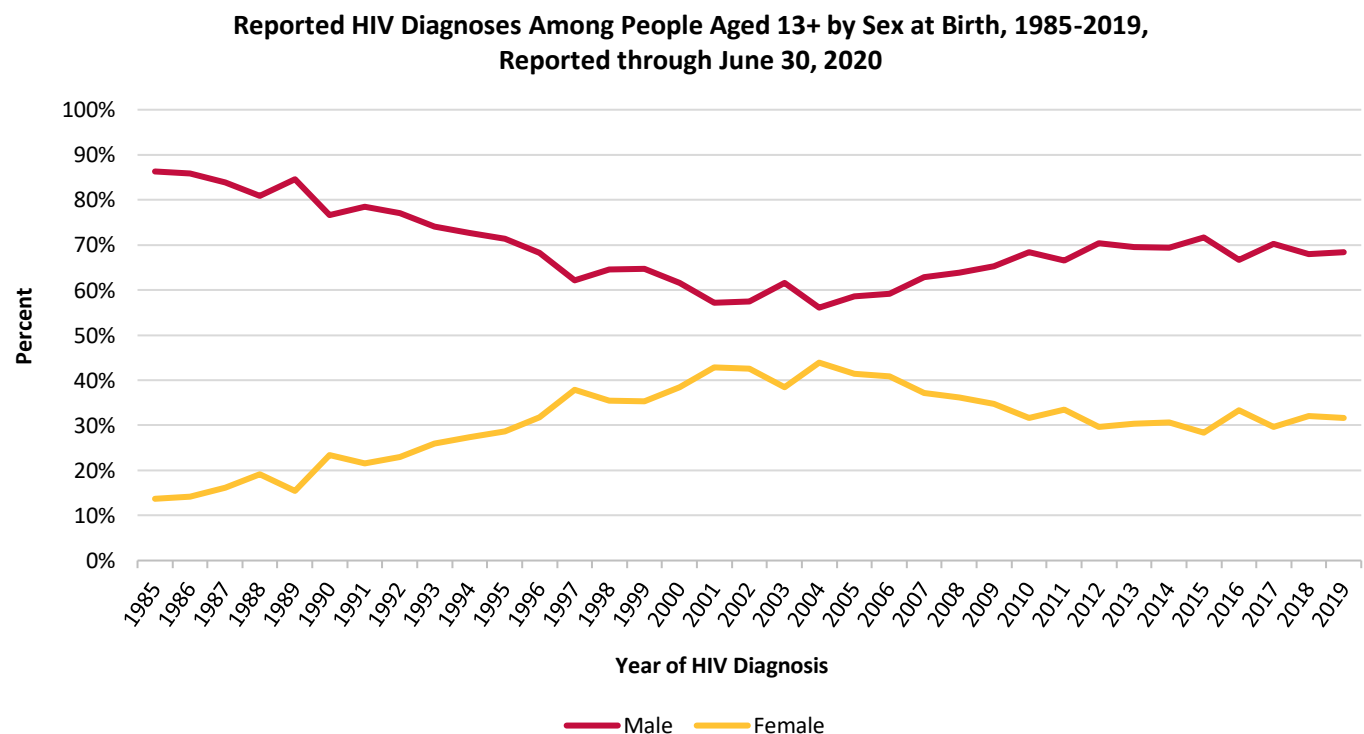
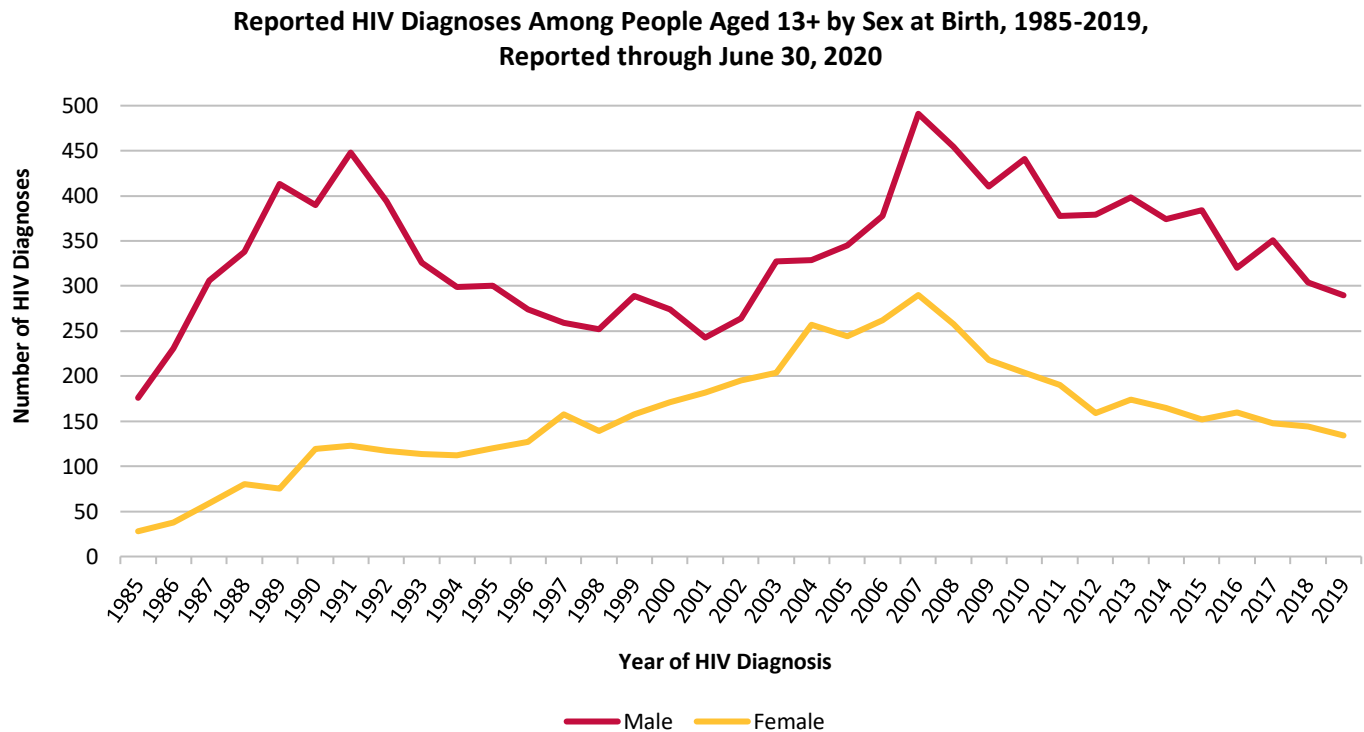
People Living with Diagnosed HIV in the Suburban Region and Not Reported to have Died as of December 31<sup>st</sup> of Each Year from 2010 through 2019, as Reported through June 30, 2020



Year	Population Age 13+	Suburban Region Residents Aged 13+ as of December 31st of the Specified Year			
		Diagnosed with HIV in Maryland	Diagnosed with HIV Outside of Maryland	Total	Rate
2010	1,527,818	6,219	2,625	8,844	578.9
2011	1,549,075	6,819	2,822	9,641	622.4
2012	1,569,180	7,413	2,925	10,338	658.8
2013	1,585,709	7,727	2,982	10,709	675.3
2014	1,599,846	7,765	2,983	10,748	671.8
2015	1,613,757	8,336	3,220	11,556	716.1
2016	1,621,657	8,382	3,220	11,602	715.4
2017	1,631,263	8,291	2,895	11,186	685.7
2018	1,634,500	8,361	2,855	11,216	686.2
2019	1,638,441	8,601	2,869	11,470	700.1

## Figure 4 – Trends in Reported HIV Diagnoses, Among Residents at Diagnosis Aged 13+, by Sex at Birth, 1985-2019, Reported through June 30, 2020

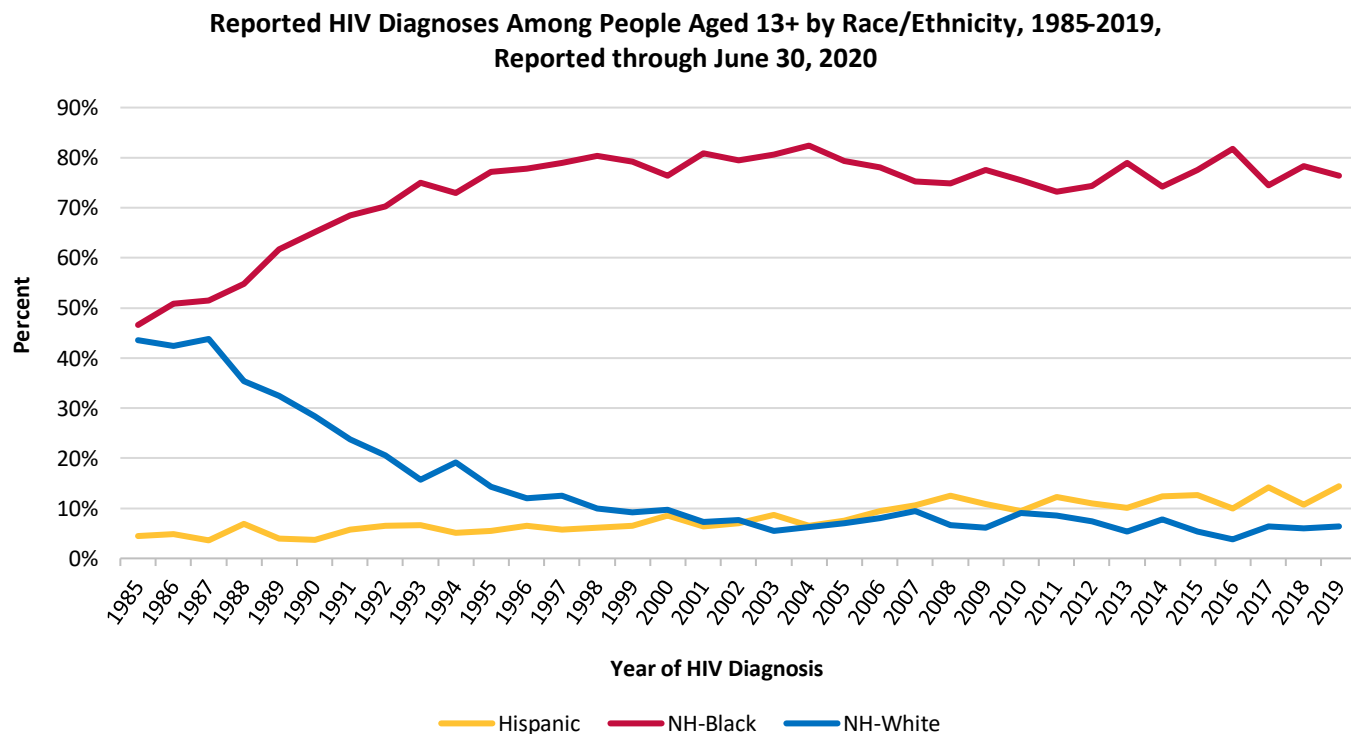
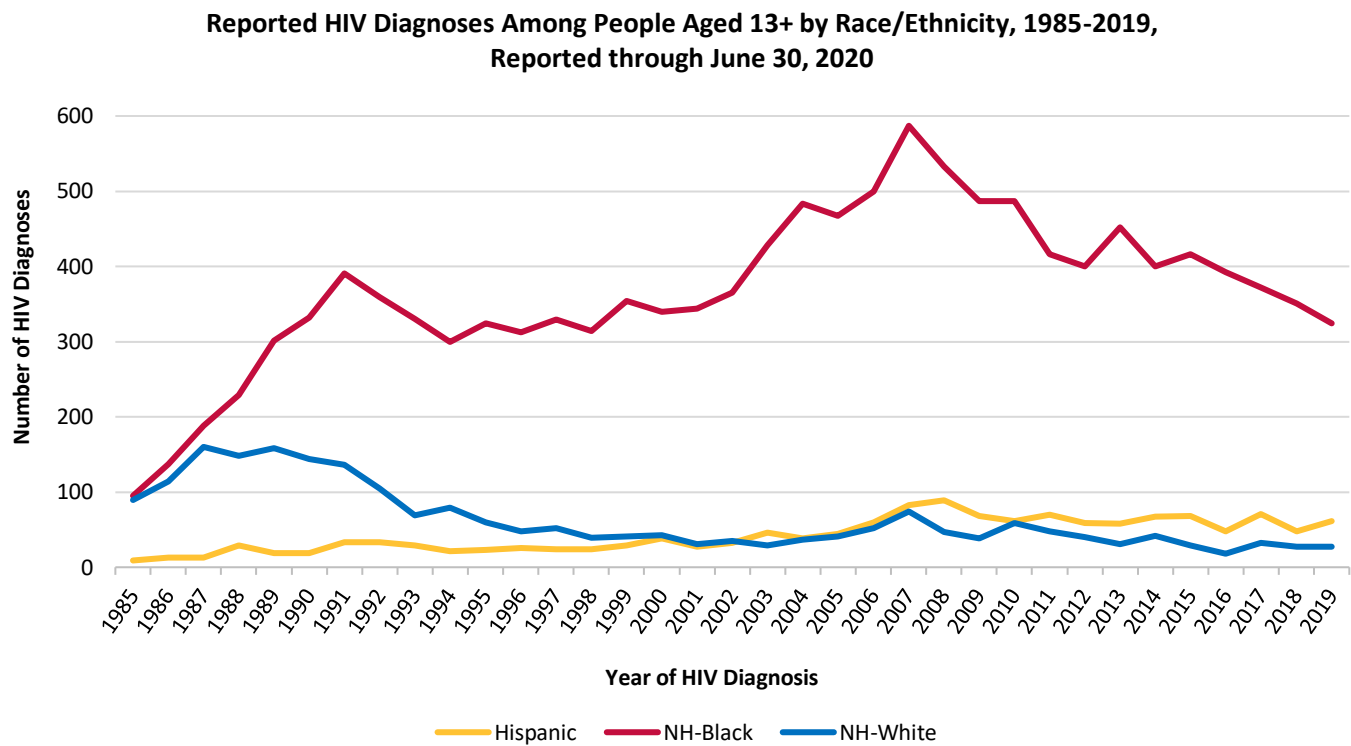
Number and Percent by Sex at Birth of People Diagnosed with HIV, Age 13+ at HIV Diagnosis, by Year of HIV Diagnosis from 1985 through 2019, as Reported through June 30, 2020



Reported HIV Diagnoses Among People Aged 13+					
Year of HIV Diagnosis	Number	Sex at Birth			
		Male		Female	
		Number	Percent	Number	Percent
<1985	113	102	90.3%	11	9.7%
1985	204	176	86.3%	28	13.7%
1986	269	231	85.9%	38	14.1%
1987	365	306	83.8%	59	16.2%
1988	418	338	80.9%	80	19.1%
1989	488	413	84.6%	75	15.4%
1990	509	390	76.6%	119	23.4%
1991	571	448	78.5%	123	21.5%
1992	511	394	77.1%	117	22.9%
1993	440	326	74.1%	114	25.9%
1994	411	299	72.7%	112	27.3%
1995	420	300	71.4%	120	28.6%
1996	401	274	68.3%	127	31.7%
1997	417	259	62.1%	158	37.9%
1998	391	252	64.5%	139	35.5%
1999	447	289	64.7%	158	35.3%
2000	445	274	61.6%	171	38.4%
2001	425	243	57.2%	182	42.8%
2002	459	264	57.5%	195	42.5%
2003	531	327	61.6%	204	38.4%
2004	586	329	56.1%	257	43.9%
2005	589	345	58.6%	244	41.4%
2006	640	378	59.1%	262	40.9%
2007	781	491	62.9%	290	37.1%
2008	712	454	63.8%	258	36.2%
2009	628	410	65.3%	218	34.7%
2010	645	441	68.4%	204	31.6%
2011	568	378	66.5%	190	33.5%
2012	538	379	70.4%	159	29.6%
2013	572	398	69.6%	174	30.4%
2014	539	374	69.4%	165	30.6%
2015	536	384	71.6%	152	28.4%
2016	480	320	66.7%	160	33.3%
2017	499	351	70.3%	148	29.7%
2018	448	304	67.9%	144	32.1%
2019	424	290	68.4%	134	31.6%
Total	17,420	11,931	68.5%	5,489	31.5%

**Figure 5 – Trends in Reported HIV Diagnoses, Among Residents at Diagnosis Aged 13+, by Race/Ethnicity, 1985-2019, Reported through June 30, 2020**

Number and Percent by Race/Ethnicity of People Diagnosed with HIV, Age 13+ at HIV Diagnosis, by Year of HIV Diagnosis from 1985 through 2019, as Reported through June 30, 2020

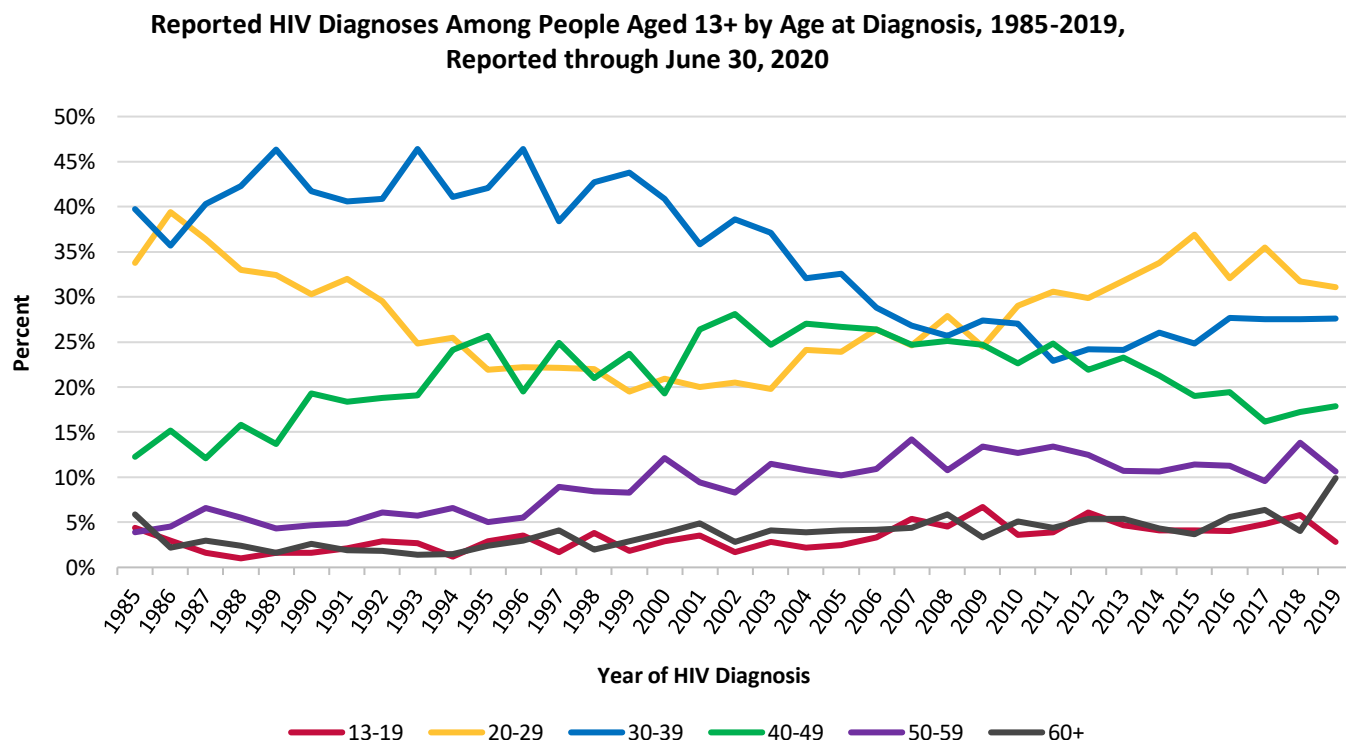
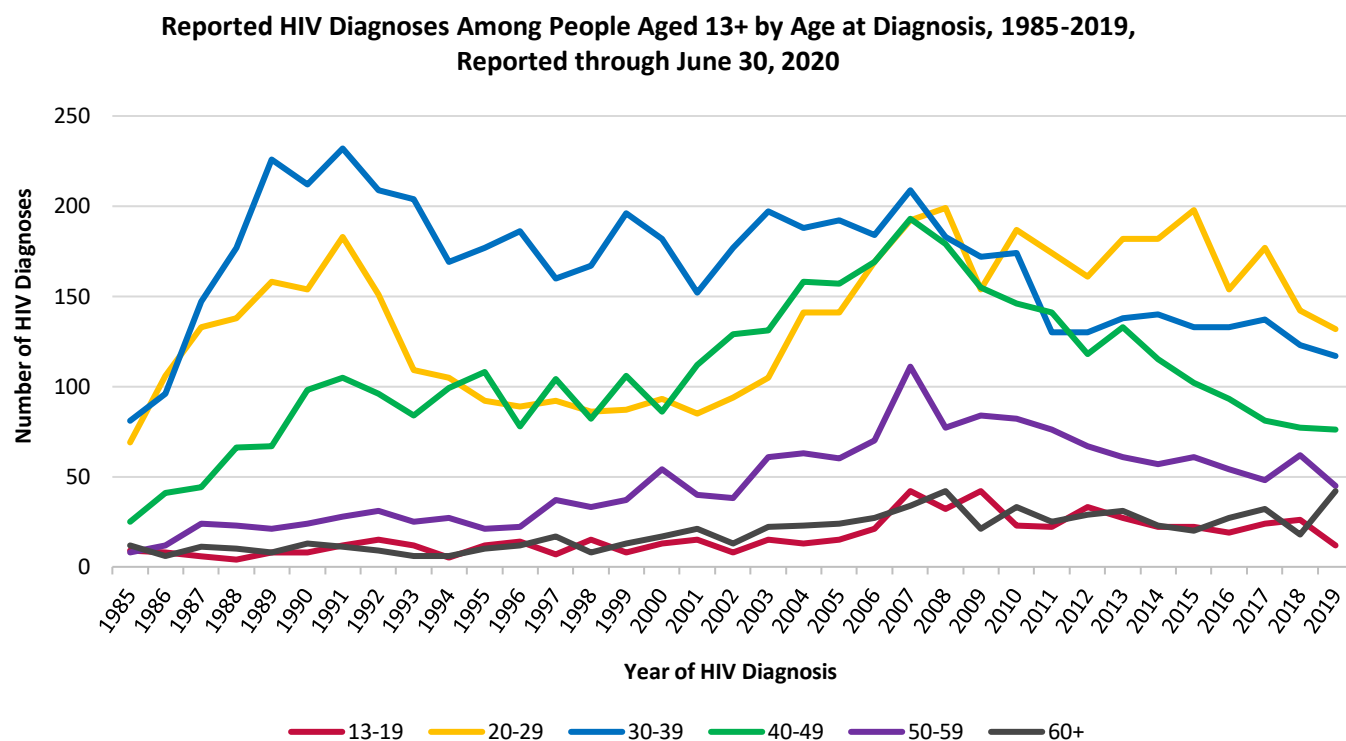


Non-Hispanic Other race not shown

Reported HIV Diagnoses Among People Aged 13+									
Year of HIV Diagnosis	No.	Race/Ethnicity							
		Hispanic		Non-Hispanic Black, only		Non-Hispanic White, only		Non-Hispanic Other Race	
		No.	%	No.	%	No.	%	No.	%
<1985	113	4	3.5%	66	58.4%	37	32.7%	6	5.3%
1985	204	9	4.4%	95	46.6%	89	43.6%	11	5.4%
1986	269	13	4.8%	137	50.9%	114	42.4%	5	1.9%
1987	365	13	3.6%	188	51.5%	160	43.8%	4	1.1%
1988	418	29	6.9%	229	54.8%	148	35.4%	12	2.9%
1989	488	19	3.9%	301	61.7%	158	32.4%	10	2.0%
1990	509	19	3.7%	332	65.2%	144	28.3%	14	2.8%
1991	571	33	5.8%	391	68.5%	136	23.8%	11	1.9%
1992	511	33	6.5%	359	70.3%	105	20.5%	14	2.7%
1993	440	29	6.6%	330	75.0%	69	15.7%	12	2.7%
1994	411	21	5.1%	300	73.0%	79	19.2%	11	2.7%
1995	420	23	5.5%	324	77.1%	60	14.3%	13	3.1%
1996	401	26	6.5%	312	77.8%	48	12.0%	15	3.7%
1997	417	24	5.8%	329	78.9%	52	12.5%	12	2.9%
1998	391	24	6.1%	314	80.3%	39	10.0%	14	3.6%
1999	447	29	6.5%	354	79.2%	41	9.2%	23	5.1%
2000	445	38	8.5%	340	76.4%	43	9.7%	24	5.4%
2001	425	27	6.4%	344	80.9%	31	7.3%	23	5.4%
2002	459	32	7.0%	365	79.5%	35	7.6%	27	5.9%
2003	531	46	8.7%	428	80.6%	29	5.5%	28	5.3%
2004	586	38	6.5%	483	82.4%	37	6.3%	28	4.8%
2005	589	44	7.5%	467	79.3%	41	7.0%	37	6.3%
2006	640	60	9.4%	500	78.1%	52	8.1%	28	4.4%
2007	781	83	10.6%	587	75.2%	74	9.5%	37	4.7%
2008	712	89	12.5%	533	74.9%	47	6.6%	43	6.0%
2009	628	68	10.8%	487	77.5%	38	6.1%	35	5.6%
2010	645	61	9.5%	487	75.5%	59	9.1%	38	5.9%
2011	568	70	12.3%	416	73.2%	48	8.5%	34	6.0%
2012	538	59	11.0%	400	74.3%	40	7.4%	39	7.2%
2013	572	58	10.1%	452	79.0%	31	5.4%	31	5.4%
2014	539	67	12.4%	400	74.2%	42	7.8%	30	5.6%
2015	536	68	12.7%	416	77.6%	29	5.4%	23	4.3%
2016	480	48	10.0%	392	81.7%	18	3.8%	22	4.6%
2017	499	71	14.2%	372	74.5%	32	6.4%	24	4.8%
2018	448	48	10.7%	351	78.3%	27	6.0%	22	4.9%
2019	424	61	14.4%	324	76.4%	27	6.4%	12	2.8%
Total	17,420	1,484	8.5%	12,905	74.1%	2,259	13.0%	772	4.4%

**Figure 6 – Trends in Reported HIV Diagnoses, Among Residents at Diagnosis Aged 13+, 1985-2019, Reported through June 30, 2020**

Number and Percent by Age at HIV Diagnosis of People Diagnosed with HIV, Age 13+ at HIV Diagnosis, by Year of HIV Diagnosis from 1985 through 2019, as Reported through June 30, 2020

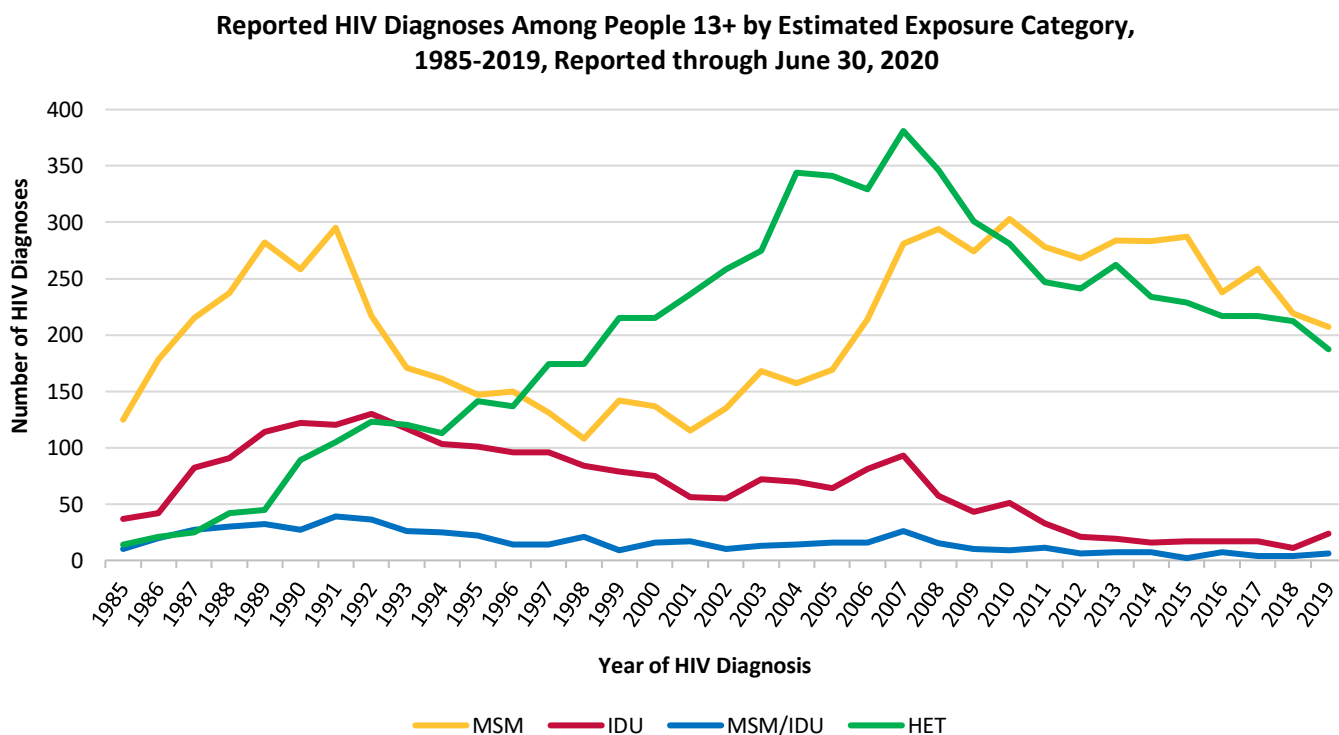
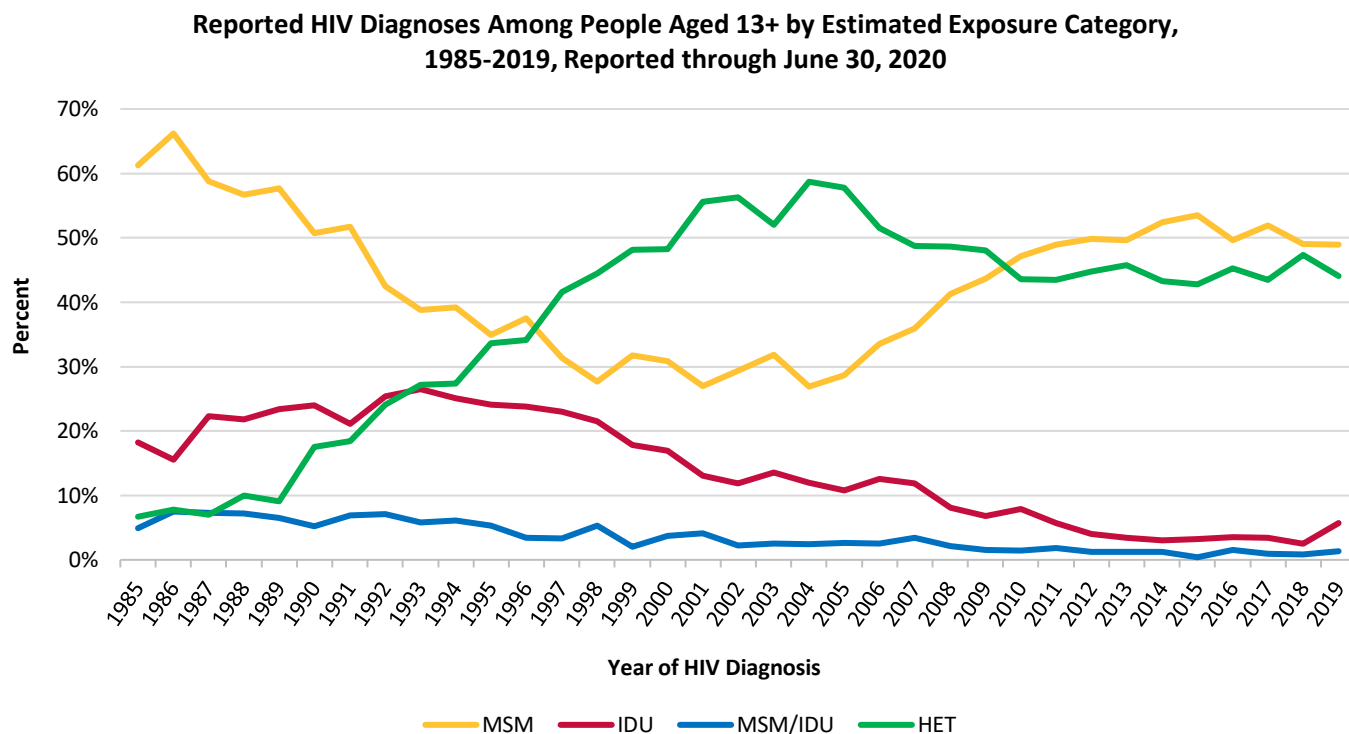




Reported HIV Diagnoses Among People Aged 13+													
Year of HIV Diagnosis	No.	Age at HIV Diagnosis											
		13-19		20-29		30-39		40-49		50-59		60+	
		No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
<1985	113	11	9.7%	42	37.2%	34	30.1%	19	16.8%	4	3.5%	3	2.7%
1985	204	9	4.4%	69	33.8%	81	39.7%	25	12.3%	8	3.9%	12	5.9%
1986	269	8	3.0%	106	39.4%	96	35.7%	41	15.2%	12	4.5%	6	2.2%
1987	365	6	1.6%	133	36.4%	147	40.3%	44	12.1%	24	6.6%	11	3.0%
1988	418	4	1.0%	138	33.0%	177	42.3%	66	15.8%	23	5.5%	10	2.4%
1989	488	8	1.6%	158	32.4%	226	46.3%	67	13.7%	21	4.3%	8	1.6%
1990	509	8	1.6%	154	30.3%	212	41.7%	98	19.3%	24	4.7%	13	2.6%
1991	571	12	2.1%	183	32.0%	232	40.6%	105	18.4%	28	4.9%	11	1.9%
1992	511	15	2.9%	151	29.5%	209	40.9%	96	18.8%	31	6.1%	9	1.8%
1993	440	12	2.7%	109	24.8%	204	46.4%	84	19.1%	25	5.7%	6	1.4%
1994	411	5	1.2%	105	25.5%	169	41.1%	99	24.1%	27	6.6%	6	1.5%
1995	420	12	2.9%	92	21.9%	177	42.1%	108	25.7%	21	5.0%	10	2.4%
1996	401	14	3.5%	89	22.2%	186	46.4%	78	19.5%	22	5.5%	12	3.0%
1997	417	7	1.7%	92	22.1%	160	38.4%	104	24.9%	37	8.9%	17	4.1%
1998	391	15	3.8%	86	22.0%	167	42.7%	82	21.0%	33	8.4%	8	2.0%
1999	447	8	1.8%	87	19.5%	196	43.8%	106	23.7%	37	8.3%	13	2.9%
2000	445	13	2.9%	93	20.9%	182	40.9%	86	19.3%	54	12.1%	17	3.8%
2001	425	15	3.5%	85	20.0%	152	35.8%	112	26.4%	40	9.4%	21	4.9%
2002	459	8	1.7%	94	20.5%	177	38.6%	129	28.1%	38	8.3%	13	2.8%
2003	531	15	2.8%	105	19.8%	197	37.1%	131	24.7%	61	11.5%	22	4.1%
2004	586	13	2.2%	141	24.1%	188	32.1%	158	27.0%	63	10.8%	23	3.9%
2005	589	15	2.5%	141	23.9%	192	32.6%	157	26.7%	60	10.2%	24	4.1%
2006	640	21	3.3%	169	26.4%	184	28.8%	169	26.4%	70	10.9%	27	4.2%
2007	781	42	5.4%	192	24.6%	209	26.8%	193	24.7%	111	14.2%	34	4.4%
2008	712	32	4.5%	199	27.9%	183	25.7%	179	25.1%	77	10.8%	42	5.9%
2009	628	42	6.7%	154	24.5%	172	27.4%	155	24.7%	84	13.4%	21	3.3%
2010	645	23	3.6%	187	29.0%	174	27.0%	146	22.6%	82	12.7%	33	5.1%
2011	568	22	3.9%	174	30.6%	130	22.9%	141	24.8%	76	13.4%	25	4.4%
2012	538	33	6.1%	161	29.9%	130	24.2%	118	21.9%	67	12.5%	29	5.4%
2013	572	27	4.7%	182	31.8%	138	24.1%	133	23.3%	61	10.7%	31	5.4%
2014	539	22	4.1%	182	33.8%	140	26.0%	115	21.3%	57	10.6%	23	4.3%
2015	536	22	4.1%	198	36.9%	133	24.8%	102	19.0%	61	11.4%	20	3.7%
2016	480	19	4.0%	154	32.1%	133	27.7%	93	19.4%	54	11.3%	27	5.6%
2017	499	24	4.8%	177	35.5%	137	27.5%	81	16.2%	48	9.6%	32	6.4%
2018	448	26	5.8%	142	31.7%	123	27.5%	77	17.2%	62	13.8%	18	4.0%
2019	424	12	2.8%	132	31.1%	117	27.6%	76	17.9%	45	10.6%	42	9.9%
Total	17,420	600	3.4%	4,856	27.9%	5,864	33.7%	3,773	21.7%	1,648	9.5%	679	3.9%

## Figure 7 – Trends in Reported HIV Diagnoses, Among Residents at Diagnosis Aged 13+, by Estimated Exposure Category, 1985-2019, Reported through June 30, 2020

Number and Percent by Estimated Exposure Category<sup>§</sup> of People Diagnosed with HIV, Age 13+ at HIV Diagnosis, by Year of HIV Diagnosis from 1985 through 2019, as Reported through June 30, 2020



Other exposure category not shown

§ Multiple imputation was used to estimate and adjust for missing exposure category.

Year of HIV Diagnosis	Reported HIV Diagnoses Among People Aged 13+											
	No.	% with No Reported Exposure <sup>*</sup>	Estimated Exposure Category <sup>§</sup>									
			MSM		IDU		MSM/IDU		HET		Other Exposure	
			No.	%	No.	%	No.	%	No.	%	No.	%
<1985	113	9.7%	76	67.2%	15	13.5%	9	8.3%	9	7.5%	4	3.5%
1985	204	6.9%	125	61.3%	37	18.2%	10	4.9%	14	6.7%	18	8.8%
1986	269	3.7%	178	66.2%	42	15.5%	20	7.5%	21	7.8%	8	3.0%
1987	365	3.3%	215	58.8%	82	22.3%	27	7.3%	25	7.0%	17	4.7%
1988	418	6.5%	237	56.7%	91	21.8%	30	7.2%	42	10.0%	18	4.3%
1989	488	7.0%	282	57.7%	114	23.4%	32	6.5%	45	9.1%	16	3.3%
1990	509	5.3%	258	50.7%	122	24.0%	27	5.2%	89	17.5%	13	2.6%
1991	571	7.5%	295	51.7%	120	21.1%	39	6.9%	105	18.4%	11	1.9%
1992	511	11.0%	217	42.5%	130	25.4%	36	7.1%	123	24.1%	5	1.0%
1993	440	9.8%	171	38.8%	117	26.5%	26	5.8%	120	27.2%	8	1.8%
1994	411	9.5%	161	39.2%	103	25.1%	25	6.1%	113	27.4%	9	2.2%
1995	420	12.6%	147	34.9%	101	24.1%	22	5.3%	141	33.6%	9	2.1%
1996	401	15.7%	150	37.5%	96	23.8%	14	3.4%	137	34.1%	5	1.2%
1997	417	16.3%	131	31.3%	96	23.0%	14	3.3%	174	41.6%	3	0.7%
1998	391	18.4%	108	27.7%	84	21.5%	21	5.3%	174	44.5%	4	1.0%
1999	447	15.2%	142	31.7%	79	17.8%	9	2.0%	215	48.1%	2	0.4%
2000	445	18.0%	137	30.8%	75	16.9%	16	3.7%	215	48.2%	2	0.4%
2001	425	16.7%	115	27.0%	56	13.1%	17	4.1%	236	55.6%	1	0.2%
2002	459	13.5%	135	29.4%	55	11.9%	10	2.2%	258	56.3%	1	0.2%
2003	531	13.4%	168	31.8%	72	13.6%	13	2.5%	275	52.0%	1	0.2%
2004	586	19.8%	157	26.9%	70	12.0%	14	2.4%	344	58.7%	0	0.0%
2005	589	20.9%	169	28.7%	64	10.8%	16	2.6%	341	57.8%	0	0.0%
2006	640	28.4%	214	33.5%	81	12.6%	16	2.5%	329	51.5%	0	0.0%
2007	781	29.6%	281	35.9%	93	11.9%	26	3.4%	381	48.7%	1	0.1%
2008	712	36.9%	294	41.3%	57	8.1%	15	2.1%	346	48.6%	0	0.0%
2009	628	35.7%	274	43.7%	43	6.8%	10	1.5%	301	48.0%	0	0.0%
2010	645	37.4%	303	47.1%	51	7.9%	9	1.4%	281	43.6%	0	0.0%
2011	568	38.2%	278	48.9%	33	5.7%	11	1.8%	247	43.5%	0	0.0%
2012	538	25.5%	268	49.8%	21	4.0%	6	1.2%	241	44.8%	1	0.2%
2013	572	21.5%	284	49.6%	19	3.4%	7	1.2%	262	45.8%	0	0.0%
2014	539	20.6%	283	52.4%	16	3.0%	7	1.2%	234	43.3%	0	0.0%
2015	536	13.6%	287	53.5%	17	3.2%	2	0.4%	229	42.8%	1	0.2%
2016	480	18.5%	238	49.6%	17	3.5%	7	1.5%	217	45.3%	1	0.2%
2017	499	19.6%	259	51.9%	17	3.4%	4	0.9%	217	43.5%	1	0.2%
2018	448	17.2%	219	49.0%	11	2.5%	4	0.8%	212	47.3%	2	0.4%
2019	424	43.4%	207	48.9%	24	5.7%	6	1.3%	187	44.1%	0	0.0%
Total	17,420	19.6%	7,463	42.8%	2,321	13.3%	577	3.3%	6,900	39.6%	162	0.9%

§ Multiple imputation was used to estimate and adjust for missing transmission category.

\*Percent with no reported exposure prior to multiple imputation adjustment.

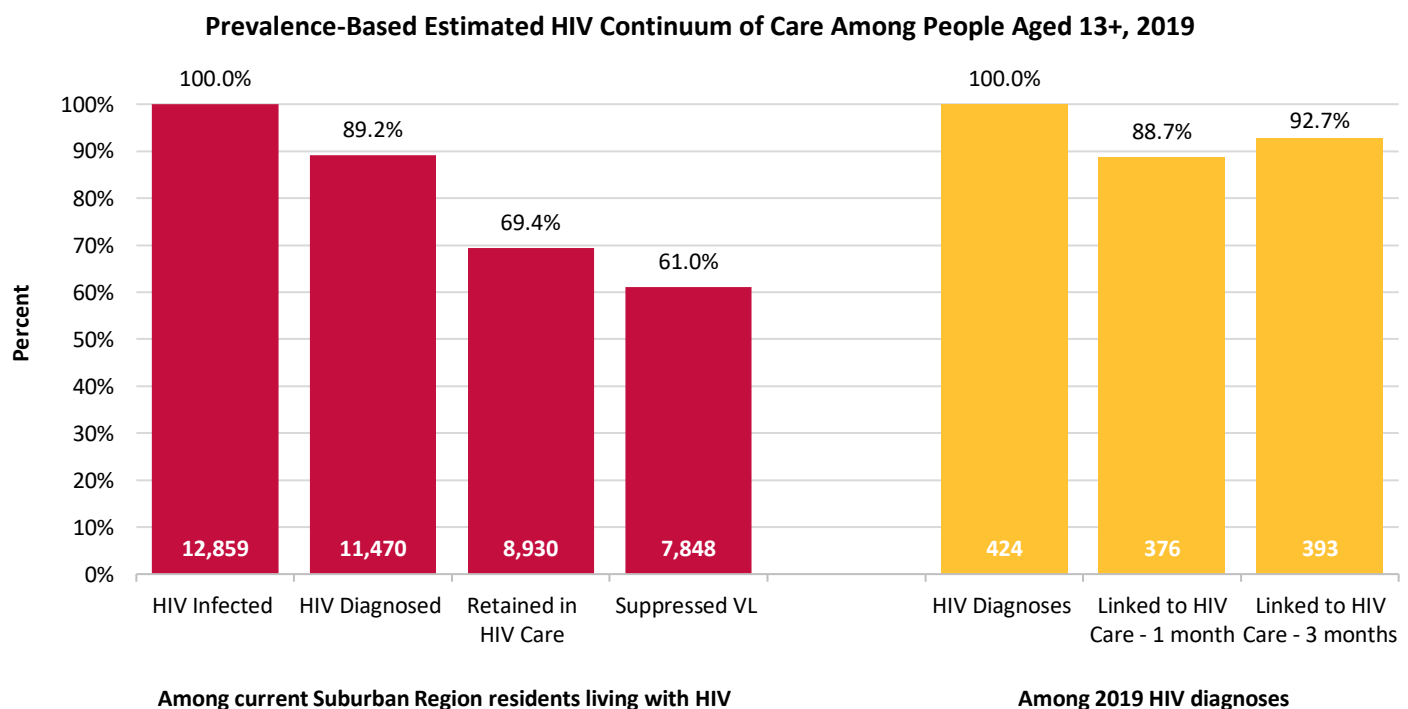
Note. Discrepancies in the table between total HIV diagnoses and the sums by exposure category are due to less than 1 percent of people missing transmission category after multiple imputation.

## Section III – Continuum of Care Cascades

In their 2011 article in Clinical Infectious Diseases, Gardner et al.<sup>1</sup> utilize a continuum of care “cascade” to illustrate estimates of the number of persons living with HIV who belong to each of the stages of engagement in HIV care.

### Figure 8 – Prevalence-Based Estimated 2019 HIV Continuum of Care Cascades, Among Current Suburban Region Residents Aged 13+, Reported through June 30, 2020

The prevalence-based Suburban Region Engagement in HIV Care Cascades (below) apply the Centers for Disease Control and Prevention (CDC) CD4 depletion model to Maryland surveillance data, reported through June 30, 2020, to estimate the number of people living with undiagnosed HIV (10.8 percent) and the estimated number of people living with HIV currently residing in the Suburban Region. Maryland surveillance data is then used to describe the number and percentage of persons living with HIV in the Suburban Region on December 31, 2019 and the number and percentage of new HIV diagnoses in 2019 who belong to each of the stages of engagement in HIV care.

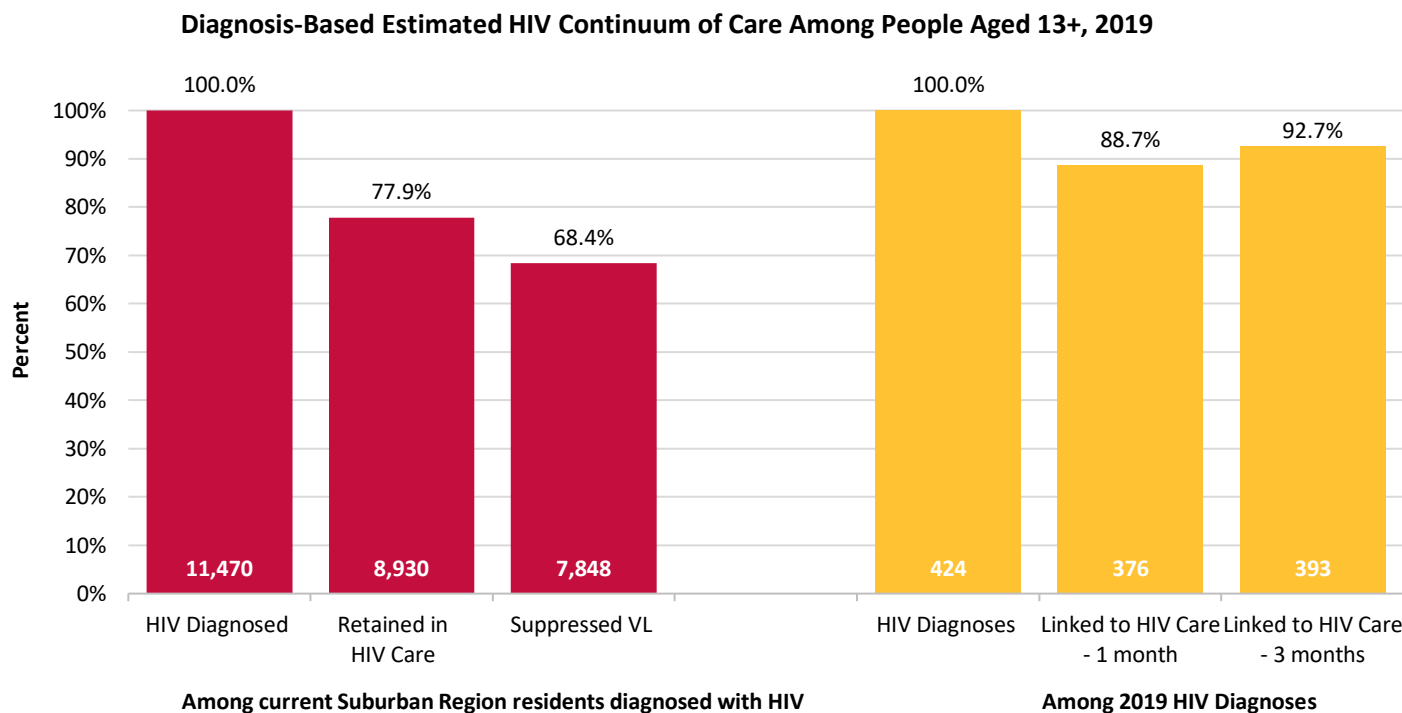


Continuum of Care Stage	People Aged 13+ Living with HIV		Continuum of Care Stage	Reported 2019 HIV Diagnoses	
	Number	Percent		Number	Percent
HIV Infected	12,859	100.0%	New HIV Diagnoses	424	100.0%
HIV Diagnosed	11,470	89.2%	Linked to HIV Care – 1 Month	376	88.7%
Retained in HIV Care	8,930	69.4%	Linked to HIV Care – 3 Months	393	92.7%
Suppressed VL	7,848	61.0%			

<sup>1</sup> Gardner et al, “The Spectrum of Engagement in HIV Care and its Relevance to Test-and-Treat Strategies for Prevention of HIV Infection.” Clin Infect Dis. 2011; 52 (6): 793-800.

## Figure 9 – Diagnosis-Based Estimated 2019 HIV Continuum of Care Cascades, Among Current Suburban Region Residents Aged 13+, Reported through June 30, 2020

The diagnosis-based Suburban Region Engagement in HIV Care Cascade (below) uses Maryland surveillance data for current Suburban Region residents to describe the number and percentage of persons living with diagnosed HIV in the Suburban Region on December 31, 2019 and the number and percentage of new HIV diagnoses in 2019 who belong to each of the stages of engagement in HIV care.



Continuum of Care Stage	People Aged 13+ Living with HIV		Continuum of Care Stage	Reported 2019 HIV Diagnoses	
	Number	Percent		Number	Percent
HIV Diagnosed	11,470	100.0%	New HIV Diagnoses	424	100.0%
Retained in HIV Care	8,930	77.9%	Linked to HIV Care – 1 Month	376	88.7%
Suppressed VL	7,848	68.4%	Linked to HIV Care – 3 Months	393	92.7%

## Section IV – By Jurisdiction

**Table 1 – Reported HIV Diagnoses and Reported AIDS Diagnoses, Among People Aged 13+ During 2019, by Jurisdiction of Residence at Diagnosis, Reported through June 30, 2020**

Jurisdiction of Residence at Diagnosis	Population Age 13+	Reported HIV Diagnoses Among People Aged 13+			Reported AIDS Diagnoses Among People Aged 13+		
		No.	% of Total	Rate	No.	% of Total	Rate
Montgomery	877,406	135	31.8%	15.4	72	35.5%	8.2
Prince George's	761,035	289	68.2%	38.0	131	64.5%	17.2
<b>Total</b>	1,638,441	424	100.0%	25.9	203	100.0%	12.4

**Table 2 – Reported HIV Diagnoses, Among People Aged 13+ During 2019, Linked to Care, Late Diagnosis, First CD4 Test Result, and Mean Years from HIV Diagnosis by Jurisdiction of Residence at Diagnosis, Reported through June 30, 2020**

Jurisdiction of Residence at HIV Diagnosis	No.	Reported HIV Diagnoses Among People Aged 13+				
		Linked to Care		% Late HIV Diagnoses	First CD4 Test Result	
		% 1 month	% 3 months		% with Test	Median Count
Montgomery	135	90.4%	94.8%	33.3%	92.6%	287
Prince George's	289	87.9%	91.7%	21.8%	92.0%	395
<b>Total</b>	424	88.7%	92.7%	25.5%	92.2%	373

**Table 3 – People Aged 13+ Living with Diagnosed HIV, Alive on December 31, 2019, by Jurisdiction of Residence at Diagnosis and Current Residence, Reported through June 30, 2020**

Jurisdiction of Residence	Population Age 13+	Total People Aged 13+ Living with Diagnosed HIV							
		Residence at Diagnosis				Current Residence			
		No.	% of Total	Rate	Ratio (1 in X)	No.	% of Total	Rate	Ratio (1 in X)
Montgomery	877,406	4,091	34.5%	466.3	214	3,544	30.9%	403.9	248
Prince George's	761,035	7,779	65.5%	1,022.2	98	7,926	69.1%	1,041.5	96
<b>Total</b>	1,638,441	11,870	100.0%	724.5	138	11,470	100.0%	700.1	143

**Table 4 – CD4 Test Results During 2019 for People Aged 13+ Living with Diagnosed HIV, Alive on December 31, 2019, by Jurisdiction of Current Residence, Reported through June 30, 2020**

Jurisdiction of Current Residence	No.	Total People Aged 13+ Living with Diagnosed HIV						
		Recent CD4 Test Result				<200	200-349	350-499
		No. with Test	% with Test	Median Count				
Montgomery	3,544	2,569	72.5%	605	7.2%	11.3%	16.7%	64.8%
Prince George's	7,926	6,108	77.1%	617	7.3%	11.3%	16.3%	65.1%
<b>Total</b>	11,470	8,677	75.6%	612	7.2%	11.3%	16.4%	65.0%

**Table 5 – Viral Load Test Results During 2019 for People Aged 13+ Living with Diagnosed HIV, Alive on December 31, 2019, by Jurisdiction of Current Residence, Reported through June 30, 2020**

Jurisdiction of Current Residence	Total People Aged 13+ Living with Diagnosed HIV				
	No.	Recent Viral Load Test Result			Median Unsuppressed
		No. with Test	% with Test	% Suppressed	
Montgomery	3,544	2,586	73.0%	91.0%	10,868
Prince George's	7,926	6,183	78.0%	88.9%	7,500
<b>Total</b>	<b>11,470</b>	<b>8,769</b>	<b>76.5%</b>	<b>89.5%</b>	<b>7,935</b>

## Section V – By Age

**Table 6 – Reported HIV Diagnoses During 2019, Linked to Care, Late Diagnosis, and First CD4 Test Result by Age at HIV Diagnosis, Reported through June 30, 2020**

Age at HIV Diagnosis	Population	Reported HIV Diagnoses							
		No.	% of Total	Rate	Linked to Care		Late HIV Diagnoses	First CD4 Test Result	
					% 1 month	% 3 months		% with Test	Median Count
<5 (Pediatric)	123,794	0	0.0%	0.0	--	--	--	--	--
5-12 (Pediatric)	197,780	0	0.0%	0.0	--	--	--	--	--
13-19	171,384	12	2.8%	7.0	91.7%	91.7%	0.0%	91.7%	367
20-29	248,570	132	31.1%	53.1	87.9%	92.4%	15.2%	90.2%	419
30-39	270,603	117	27.6%	43.2	91.5%	95.7%	28.2%	94.0%	348
40-49	260,882	76	17.9%	29.1	86.8%	89.5%	35.5%	92.1%	266
50-59	270,861	45	10.6%	16.6	91.1%	93.3%	28.9%	95.6%	419
60+	416,141	42	9.9%	10.1	83.3%	90.5%	35.7%	90.5%	347
<b>Total</b>	<b>1,960,015</b>	<b>424</b>	<b>100.0%</b>	<b>21.6</b>	<b>88.7%</b>	<b>92.7%</b>	<b>25.5%</b>	<b>92.2%</b>	<b>373</b>

**Table 7 – People Living with Diagnosed HIV, Alive on December 31, 2019, by Age on December 31, 2019, Reported through June 30, 2020**

Age on December 31, 2019	Population	Total People Living with Diagnosed HIV			
		No.	% of Total	Rate	Ratio (1 in X)
<5 (Pediatric)	123,794	2	0.0%	1.6	61,897
5-12 (Pediatric)	197,780	16	0.1%	8.1	12,361
13-19	171,384	70	0.6%	40.8	2,448
20-29	248,570	1,121	9.8%	451.0	222
30-39	270,603	2,446	21.3%	903.9	111
40-49	260,882	2,783	24.2%	1,066.8	94
50-59	270,861	3,057	26.6%	1,128.6	89
60+	416,141	1,993	17.3%	478.9	209
<b>Total</b>	<b>1,960,015</b>	<b>11,488</b>	<b>100.0%</b>	<b>586.1</b>	<b>171</b>

**Table 8 – CD4 Test Results During 2019 for People Aged 13+ Living with Diagnosed HIV, Alive on December 31, 2019, by Age on December 31, 2019, Reported through June 30, 2020**

Age on December 31, 2019	Total People Aged 13+ Living with Diagnosed HIV							
	No.	Recent CD4 Test Results						
		No. with Test	% with Test	Median Count	<200	200-349	350-499	500+
13-19	70	58	82.9%	650	1.7%	6.9%	19.0%	72.4%
20-29	1,121	864	77.1%	650	7.8%	7.3%	16.3%	68.6%
30-39	2,446	1,801	73.6%	618	7.3%	10.6%	16.3%	65.8%
40-49	2,783	2,084	74.9%	611	7.6%	11.4%	16.3%	64.7%
50-59	3,057	2,348	76.8%	604	7.4%	12.6%	16.3%	63.8%
60+	1,993	1,522	76.4%	603	6.3%	12.6%	17.0%	64.1%
Total	11,470	8,677	75.6%	612	7.2%	11.3%	16.4%	65.0%



**Table 9 – Viral Load Test Results During 2019 for People Living with Diagnosed HIV, Alive on December 31, 2019, by Age on December 31, 2019, Reported through June 30, 2020**

Age on December 31, 2019	Total People Aged 13+ Living with Diagnosed HIV				
	No.	Recent Viral Load Test Result			Median Unsuppressed
		No. with Test	% with Test	% Suppressed	
13-19	70	61	87.1%	77.0%	2,165
20-29	1,121	884	78.9%	79.2%	12,200
30-39	2,446	1,827	74.7%	87.1%	11,479
40-49	2,783	2,102	75.5%	90.5%	7,990
50-59	3,057	2,366	77.4%	91.5%	3,340
60+	1,993	1,529	76.7%	94.5%	4,184
<b>Total</b>	<b>11,470</b>	<b>8,769</b>	<b>76.5%</b>	<b>89.5%</b>	<b>7,935</b>

## Section VI – By Demographics

**Table 10 – Reported HIV Diagnoses, Among People Aged 13+ During 2019, Linked to Care, Late Diagnosis, and First CD4 Test Result by Sex at Birth, Gender, Race/Ethnicity, and Country of Birth, Reported through June 30, 2020**

Demographic Characteristics	Population Age 13+	Reported HIV Diagnoses Among People Aged 13+							
		No.	% of Total	Rate	Linked to Care		Late HIV Diagnoses	First CD4 Test Result	
					% 1 month	% 3 months	%	% with Test	Median Count
Sex at Birth									
Male	780,950	290	68.4%	37.1	89.0%	92.4%	19.7%	91.4%	392
Female	857,491	134	31.6%	15.6	88.1%	93.3%	38.1%	94.0%	296
Gender									
Male	780,950	289	68.2%	37.0	***	***	***	***	***
Female	857,491	134	31.6%	15.6	88.1%	93.3%	38.1%	94.0%	296
Transfeminine	--	1	0.2%	0.0	***	***	***	***	***
Transmasculine	--	0	0.0%	0.0	--	--	--	--	--
Another Gender Identity	--	0	0.0%	0.0	--	--	--	--	--
Race/Ethnicity									
Hispanic	291,063	61	14.4%	21.0	86.9%	93.4%	32.8%	91.8%	274
Non-Hispanic	1,347,378	363	85.6%	26.9	89.0%	92.6%	24.2%	92.3%	380
American Indian/Alaska Native, only	3,456	1	0.2%	28.9	***	***	***	***	***
Asian, only	173,842	7	1.7%	4.0	100.0%	100.0%	***	100.0%	451
Black, only	642,476	324	76.4%	50.4	88.6%	92.3%	24.1%	92.6%	382
Native Hawaiian/Other Pacific Islander, only	747	0	0.0%	0.0	--	--	--	--	--
White, only	494,710	27	6.4%	5.5	92.6%	96.3%	22.2%	88.9%	329
Multiracial/Other	32,147	4	0.9%	12.4	***	***	***	***	***
Total	1,638,441	424	100.0%	25.9	88.7%	92.7%	25.5%	92.2%	373
Country of Birth									
United States	1,106,868	271	63.9%	24.5	91.1%	94.5%	20.3%	92.6%	388
Foreign-Born	515,502	105	24.8%	20.4	87.6%	92.4%	38.1%	93.3%	289
Africa	--	70	16.5%	--	85.7%	90.0%	37.1%	91.4%	360
Asia	--	3	0.7%	--	***	***	***	***	***
Caribbean	--	5	1.2%	--	***	***	***	***	***
Central America	--	19	4.5%	--	89.5%	94.7%	36.8%	94.7%	264
Other	--	8	1.9%	--	100.0%	100.0%	***	100.0%	364
Unknown	--	48	11.3%	--	77.1%	83.3%	27.1%	87.5%	311
Total	1,622,371	424	100.0%	26.1	88.7%	92.7%	25.5%	92.2%	373

Note. Population data by sex at birth, age, and race/ethnicity are from the 2019 U.S. Census population estimates. Population data by gender are unavailable. Population data by country of birth are from the 2018 American Community Survey.

\*\*\* Data withheld due to low population counts and/or small numbers

**Table 11 – Reported HIV Diagnoses, Among People Aged 13+ During 2019, by Sex at Birth and Race/Ethnicity, Reported through June 30, 2020**

Reported HIV Diagnoses Among People Aged 13+								
Race/Ethnicity	Sex at Birth							
	Male				Female			
	Population 13+	No.	% of Total	Rate	Population 13+	No.	% of Total	Rate
<b>Hispanic</b>	151,231	42	14.5%	27.8	139,832	19	14.2%	13.6
<b>Non-Hispanic</b>	629,719	248	85.5%	39.4	717,659	115	85.8%	39.4
American Indian/Alaska Native, only	1,618	1	0.3%	61.8	1,838	0	0.0%	0.0
Asian, only	80,690	7	2.4%	8.7	93,153	0	0.0%	0.0
Black, only	292,345	214	73.8%	73.2	350,131	110	82.1%	31.4
Native Hawaiian/Other Pacific Islander, only	318	0	0.0%	0.0	429	0	0.0%	0.0
White, only	239,957	23	7.9%	9.6	254,753	4	3.0%	1.6
Multiracial/Other	14,792	3	1.0%	20.3	17,355	1	0.7%	5.8
<b>Total</b>	780,950	290	100.0%	37.1	857,491	134	100.0%	37.1

Note. Population data by sex at birth, age, and race/ethnicity are from the 2019 U.S. Census population estimates.

**Table 12 – People Aged 13+ Living with Diagnosed HIV Alive on December 31, 2019, by Sex at Birth, Gender, Race/Ethnicity, and Country of Birth, Reported through June 30, 2020**

Demographic Characteristics	Population Age 13+	Total People Aged 13+ Living with Diagnosed HIV			
		No.	% of Total	Rate	Ratio (1 in X)
Sex at Birth					
Male	780,950	7,574	66.0%	969.8	103
Female	857,491	3,896	34.0%	454.3	220
Gender					
Male	780,950	7,503	65.4%	960.8	104
Female	857,491	3,892	33.9%	453.9	220
Transfeminine	--	71	0.6%	--	--
Transmasculine	--	4	0.0%	--	--
Another Gender Identity	--	0	0.0%	--	--
Race/Ethnicity					
Hispanic	291,063	1,172	10.2%	402.7	248
Non-Hispanic	1,347,378	10,298	89.8%	764.3	131
American Indian/Alaska Native, only	3,456	***	***	***	***
Asian, only	173,842	120	1.0%	69.0	1,449
Black, only	642,476	8,790	76.6%	1,368.1	73
Native Hawaiian/Other Pacific Islander, only	747	***	***	***	***
White, only	494,710	854	7.4%	172.6	579
Multiracial/Other	32,147	523	4.6%	1,626.9	61
Total	1,638,441	11,470	100.0%	700.1	143
Country of Birth					
United States	1,106,868	8,590	74.9%	776.1	129
Foreign-Born	515,502	2,473	21.6%	479.7	208
Africa	--	1,682	14.7%	--	--
Asia	--	88	0.8%	--	--
Caribbean	--	153	1.3%	--	--
Central America	--	372	3.2%	--	--
Other	--	178	1.6%	--	--
Unknown	--	407	3.5%	--	--
Total	1,622,371	11,470	100.0%	707.0	141

Note. Population data by sex at birth, age, and race/ethnicity are from the 2019 U.S. Census population estimates. Population data by gender are unavailable. Population data by country of birth are from the 2018 American Community Survey.

\*\*\* Data withheld due to low population counts and/or small numbers

**Table 13 – People Aged 13+ Living with Diagnosed HIV Alive on December 31, 2019, by Sex at Birth and Race/Ethnicity, Reported through June 30, 2020**

Total People Aged 13+ Living with Diagnosed HIV								
Race/Ethnicity	Sex at Birth							
	Male				Female			
	Population 13+	No.	% of Total	Rate	Population 13+	No.	% of Total	Rate
<b>Hispanic</b>	151,231	917	12.1%	606.4	139,832	255	6.5%	182.4
<b>Non-Hispanic</b>	629,719	6,657	87.9%	1,057.1	717,659	3,641	93.5%	507.3
American Indian/Alaska Native, only	1,618	***	***	***	1,838	***	***	***
Asian, only	80,690	103	1.4%	127.6	93,153	17	0.4%	18.2
Black, only	292,345	5,423	71.6%	1,855.0	350,131	3,367	86.4%	961.6
Native Hawaiian/Other Pacific Islander, only	318	***	***	***	429	***	***	***
White, only	239,957	732	9.7%	305.1	254,753	122	3.1%	47.9
Multiracial/Other	14,792	390	5.1%	2,636.6	17,355	133	3.4%	766.3
<b>Total</b>	780,950	7,574	100.0%	969.8	857,491	3,896	100.0%	454.3

Note. Population data by sex at birth, age, and race/ethnicity are from the 2019 U.S. Census population estimates.

\*\*\* Data withheld due to low population counts and/or small numbers

**Table 14 – CD4 Test Results During 2019 for People Aged 13+ Living with Diagnosed HIV, Alive on December 31, 2019, by Sex at Birth, Gender, Race/Ethnicity and Country of Birth, Reported through June 30, 2020**

Demographic Characteristics	Total People Aged 13+ Living with Diagnosed HIV							
	No.	Recent CD4 Test Result						
		No. with Test	% with Test	Median Count	<200	200-349	350-499	500+
Sex at Birth								
Male	7,574	5,724	75.6%	598	7.3%	11.9%	17.0%	63.8%
Female	3,896	2,953	75.8%	638	7.0%	10.2%	15.3%	67.5%
Gender								
Male	7,503	5,673	75.6%	598	7.4%	11.9%	17.0%	63.8%
Female	3,892	2,949	75.8%	638	7.1%	10.2%	15.3%	67.4%
Transfeminine	71	***	***	***	***	***	***	***
Transmasculine	4	***	***	***	***	***	***	***
Another Gender Identity	0	--	--	--	--	--	--	--
Race/Ethnicity								
Hispanic	1,172	893	76.2%	608	7.5%	11.4%	16.7%	64.4%
Non-Hispanic	10,298	7,784	75.6%	613	7.2%	11.3%	16.4%	65.1%
American Indian/Alaska Native, only	***	***	***	***	***	***	***	***
Asian, only	120	87	72.5%	585	5.7%	11.5%	18.4%	64.4%
Black, only	8,790	6,665	75.8%	608	7.6%	11.6%	16.7%	64.1%
Native Hawaiian/Other Pacific Islander, only	***	***	***	***	***	***	***	***
White, only	854	609	71.3%	684	3.9%	7.4%	13.3%	75.4%
Multiracial/Other	523	415	79.3%	602	6.3%	12.0%	15.2%	66.5%
Country of Birth								
United States	8,590	6,583	76.6%	624	7.2%	10.9%	15.8%	66.1%
Foreign-Born	2,473	1,814	73.4%	585	7.2%	12.8%	18.4%	61.6%
Africa	1,682	1,217	72.4%	569	7.4%	13.6%	19.7%	59.3%
Asia	88	71	80.7%	609	8.5%	7.0%	16.9%	67.6%
Caribbean	153	126	82.4%	698	9.5%	5.6%	11.9%	73.0%
Central America	372	278	74.7%	575	5.8%	13.7%	18.7%	61.9%
Other	178	122	68.5%	613	4.9%	13.9%	12.3%	68.9%
Unknown	407	280	68.8%	594	8.9%	11.4%	17.5%	62.1%
Total	11,470	8,677	75.6%	612	7.2%	11.3%	16.4%	65.0%

\*\*\* Data withheld due to low population counts and/or small numbers

**Table 15 – Viral Load Test Results During 2019 for People Aged 13+ Living with Diagnosed HIV, Alive on December 31, 2019, by Sex at Birth, Gender, Race/Ethnicity and Country of Birth, Reported through June 30, 2020**

Demographic Characteristics	Total People Aged 13+ Living with Diagnosed HIV				
	No.	Recent Viral Load Test Result			Median Unsuppressed
		No. with Test	% with Test	% Suppressed	
Sex at Birth					
Male	7,574	5,787	76.4%	89.5%	9,935
Female	3,896	2,982	76.5%	89.5%	5,114
Gender					
Male	7,503	5,733	76.4%	89.6%	9,630
Female	3,892	2,978	76.5%	89.5%	5,114
Transfeminine	71	***	***	***	***
Transmasculine	4	***	***	***	***
Another Gender Identity	0	--	--	--	--
Race/Ethnicity					
Hispanic	1,172	900	76.8%	89.4%	7,014
Non-Hispanic	10,298	7,869	76.4%	89.5%	8,247
American Indian/Alaska Native, only	***	***	***	***	***
Asian, only	120	88	73.3%	94.3%	41,300
Black, only	8,790	6,733	76.6%	88.9%	8,269
Native Hawaiian/Other Pacific Islander, only	***	***	***	***	***
White, only	854	616	72.1%	94.3%	9,394
Multiracial/Other	523	423	80.9%	91.5%	7,520
Country of Birth					
United States	8,590	6,661	77.5%	89.0%	9,330
Foreign-Born	2,473	1,828	73.9%	91.8%	3,710
Africa	1,682	1,221	72.6%	91.0%	3,600
Asia	88	72	81.8%	97.2%	2,805
Caribbean	153	127	83.0%	93.7%	4,105
Central America	372	284	76.3%	91.9%	3,938
Other	178	124	69.7%	95.2%	25,165
Unknown	407	280	68.8%	87.5%	14,200
Total	11,470	8,769	76.5%	89.5%	7,935

\*\*\* Data withheld due to low population counts and/or small numbers

**Table 16 – Males Living with Diagnosed HIV by Age on December 31, 2019 and Race/Ethnicity, Alive on December 31, 2019, and Reported through June 30, 2020**

Total Males Living with Diagnosed HIV						
Age on December 31, 2019		Race/Ethnicity				Total Males by Age Group
		Hispanic	Non-Hispanic Black, only	Non-Hispanic White, only	Non-Hispanic Other Race	
<13 (Pediatric)	Population	49,910	57,902	35,042	21,276	164,130
	Number	2	4	1	0	7
	Rate	4.0	6.9	2.9	0.0	4.3
	Ratio (1 in X)	24,955	14,476	35,042	--	23,447
13-19	Population	21,943	31,624	22,209	11,661	87,437
	Number	3	40	1	0	44
	Rate	13.7	126.5	4.5	0.0	50.3
	Ratio (1 in X)	7,314	791	22,209	--	1,987
20-29	Population	27,992	50,678	30,729	15,565	124,964
	Number	123	696	31	47	897
	Rate	439.4	1,373.4	100.9	302.0	717.8
	Ratio (1 in X)	228	73	991	331	139
30-39	Population	33,320	48,814	33,743	17,170	133,047
	Number	249	1,349	101	120	1,819
	Rate	747.3	2,763.6	299.3	698.9	1,367.2
	Ratio (1 in X)	134	36	334	143	73
40-49	Population	31,812	46,217	32,105	16,108	126,242
	Number	262	1,092	137	116	1,607
	Rate	823.6	2,362.8	426.7	720.1	1,273.0
	Ratio (1 in X)	121	42	234	139	79
50-59	Population	20,505	50,929	41,108	14,821	127,363
	Number	189	1,382	268	139	1,978
	Rate	921.7	2,713.6	651.9	937.9	1,553.0
	Ratio (1 in X)	108	37	153	107	64
60+	Population	15,659	64,083	80,063	22,092	181,897
	Number	91	864	194	80	1,229
	Rate	581.1	1,348.3	242.3	362.1	675.7
	Ratio (1 in X)	172	74	413	276	148
Total Males by Race/Ethnicity	Population	201,141	350,247	274,999	118,693	945,080
	Number	919	5,427	733	502	7,581
	Rate	456.9	1,549.5	266.5	422.9	802.2
	Ratio (1 in X)	219	65	375	236	125



**Table 17 – Females Living with Diagnosed HIV by Age on December 31, 2019 and Race/Ethnicity, Alive on December 31, 2019, and Reported through June 30, 2020**

Total Females Living with Diagnosed HIV					
Age on December 31, 2019		Race/Ethnicity			
		Hispanic	Non-Hispanic Black, only	Non-Hispanic White, only	Non-Hispanic Other Race
<13 (Pediatric)	Population	47,527	56,805	32,915	20,197
	Number	1	8	1	1
	Rate	2.1	14.1	3.0	5.0
	Ratio (1 in X)	47,527	7,101	32,915	20,197
13-19	Population	20,388	31,312	21,017	11,230
	Number	2	22	1	1
	Rate	9.8	70.3	4.8	8.9
	Ratio (1 in X)	10,194	1,423	21,017	11,230
20-29	Population	25,550	53,213	29,027	15,816
	Number	22	192	3	7
	Rate	86.1	360.8	10.3	44.3
	Ratio (1 in X)	1,161	277	9,676	2,259
30-39	Population	28,710	55,348	33,962	19,536
	Number	48	533	21	25
	Rate	167.2	963.0	61.8	128.0
	Ratio (1 in X)	598	104	1,617	781
40-49	Population	26,514	55,508	32,767	19,851
	Number	85	1,009	26	56
	Rate	320.6	1,817.8	79.3	282.1
	Ratio (1 in X)	312	55	1,260	354
50-59	Population	19,177	63,120	42,980	18,221
	Number	59	950	38	32
	Rate	307.7	1,505.1	88.4	175.6
	Ratio (1 in X)	325	66	1,131	569
60+	Population	19,493	91,630	95,000	28,121
	Number	39	661	33	31
	Rate	200.1	721.4	34.7	110.2
	Ratio (1 in X)	500	139	2,879	907
Total Females by Race/Ethnicity	Population	187,359	406,936	287,668	132,972
	Number	256	3,375	123	153
	Rate	136.6	829.4	42.8	115.1
	Ratio (1 in X)	732	121	2,339	869

## Section VII – By HIV Exposure Category

**Table 18 – Reported HIV Diagnoses, Among People Aged 13+ During 2019, Linked to Care, Late Diagnosis, and First CD4 Test Result, by Estimated or Reported Exposure Category and Sex at Birth, Reported through June 30, 2020**

Estimated or Reported Exposure Category	Reported HIV Diagnoses Among People Aged 13+						
	No.	% of Total	Linked to Care		Late HIV Diagnoses	First CD4 Test Result	
			% 1 month	% 3 months	%	% with Test	Median Count
Male-to-male Sexual Contact (MSM)	207	48.9%	87.7%	91.8%	14.9%	91.7%	410
Injection Drug Use (IDU)	24	5.7%	87.5%	90.4%	***	88.8%	384
Male-to-male Sexual Contact and Injection Drug Use (MSM/IDU)	6	1.3%	94.6%	98.2%	***	96.4%	566
Heterosexual Contact (HET)	187	44.1%	89.7%	93.7%	36.9%	93.2%	298
Perinatal Transmission	0	0.0%	--	--	--	--	--
Other Exposure	0	0.0%	--	--	--	--	--
No Estimated or Reported Exposure	0	0.0%	--	--	--	--	--
<b>Total</b>	<b>424</b>	<b>100.0%</b>	<b>88.7%</b>	<b>92.7%</b>	<b>25.5%</b>	<b>92.2%</b>	<b>373</b>
<b>Male Estimated or Reported Exposure Category</b>							
Male-to-male Sexual Contact (MSM)	207	71.5%	87.7%	91.8%	14.9%	91.7%	410
Injection Drug Use (IDU)	14	5.0%	88.2%	92.4%	***	87.5%	434
Male-to-male Sexual Contact and Injection Drug Use (MSM/IDU)	6	1.9%	94.6%	98.2%	***	96.4%	566
Heterosexual Contact (HET)	63	21.6%	92.7%	93.8%	34.9%	90.9%	268
Perinatal Transmission	0	0.0%	--	--	--	--	--
Other Exposure	0	0.0%	--	--	--	--	--
No Estimated or Reported Exposure	0	0.0%	--	--	--	--	--
<b>Total</b>	<b>290</b>	<b>100.0%</b>	<b>89.0%</b>	<b>92.4%</b>	<b>19.7%</b>	<b>91.4%</b>	<b>392</b>
<b>Female Estimated or Reported Exposure Category</b>							
Injection Drug Use (IDU)	10	7.2%	86.5%	87.5%	***	90.6%	235
Heterosexual Contact (HET)	124	92.8%	88.2%	93.7%	***	94.3%	306
Perinatal Transmission	0	0.0%	--	--	--	--	--
Other Exposure	0	0.0%	--	--	--	--	--
No Estimated or Reported Exposure	0	0.0%	--	--	--	--	--
<b>Total</b>	<b>134</b>	<b>100.0%</b>	<b>88.1%</b>	<b>93.3%</b>	<b>38.1%</b>	<b>94.0%</b>	<b>296</b>

*Note.* Data for 2019 are preliminary because they are based on a 6-month reporting delay and should not be used to assess trends. Data have been statistically adjusted to account for missing transmission category, therefore, values may not sum to column total. Exposure category estimates are rounded to whole numbers after percentages are calculated. This may be more noticeable in the precision of estimates calculated for small numbers of people. Median count is weighted based on statistical adjustment. For exposure category by gender, please see the Maryland HIV Epidemiological Profile Gender Diverse People Supplement.

\*\*\* Data withheld due to low population counts and/or small numbers

**Table 19 – People Aged 13+ Living with Diagnosed HIV, Alive on December 31, 2019, by Estimated or Reported Exposure Category and Sex at Birth, Reported through June 30, 2020**

Estimated or Reported Exposure Category	Total People Aged 13+ Living with Diagnosed HIV	
	No.	% of Total
Male-to-male Sexual Contact (MSM)	5,166	45.0%
Injection Drug Use (IDU)	763	6.7%
Male-to-male Sexual Contact and Injection Drug Use (MSM/IDU)	263	2.3%
Heterosexual Contact (HET)	5,108	44.5%
Perinatal Transmission	128	1.1%
Other Exposure	12	0.1%
No Estimated or Reported Exposure	30	0.3%
<b>Total</b>	<b>11,470</b>	<b>100.0%</b>
<b>Male Estimated or Reported Exposure Category</b>		
Male-to-male Sexual Contact (MSM)	5,166	68.2%
Injection Drug Use (IDU)	421	5.6%
Male-to-male Sexual Contact and Injection Drug Use (MSM/IDU)	263	3.5%
Heterosexual Contact (HET)	1,641	21.7%
Perinatal Transmission	59	0.8%
Other Exposure	4	0.1%
No Estimated or Reported Exposure	20	0.3%
<b>Total</b>	<b>7,574</b>	<b>100.0%</b>
<b>Female Estimated or Reported Exposure Category</b>		
Injection Drug Use (IDU)	342	8.8%
Heterosexual Contact (HET)	3,467	89.0%
Perinatal Transmission	69	1.8%
Other Exposure	8	0.2%
No Estimated or Reported Exposure	10	0.3%
<b>Total</b>	<b>3,896</b>	<b>100.0%</b>

Note. Data have been statistically adjusted to account for missing transmission category, therefore, values may not sum to column total. For exposure category by gender, please see the Maryland HIV Epidemiological Profile Gender Diverse People Supplement.

**Table 20 – People Aged 13+ Living with Diagnosed HIV by Estimated or Reported Exposure Category, Race/Ethnicity, and Sex at Birth, Alive on December 31, 2019, and Reported through June 30, 2020**

Estimated or Reported Exposure Category	Total People Aged 13+ Living with Diagnosed HIV					
	Race/Ethnicity					
	Hispanic		Non-Hispanic, Black, only		Non-Hispanic, White, only	
	No.	% of Total	No.	% of Total	No.	% of Total
Male-to-male Sexual Contact (MSM)	636	54.3%	3,525	40.1%	620	72.6%
Injection Drug Use (IDU)	38	3.3%	641	7.3%	48	5.6%
Male-to-male Sexual Contact and Injection Drug Use (MSM/IDU)	23	2.0%	185	2.1%	37	4.3%
Heterosexual Contact (HET)	462	39.4%	4,298	48.9%	141	16.5%
Perinatal Transmission	10	0.9%	109	1.2%	4	0.5%
Other Exposure	1	0.1%	7	0.1%	2	0.2%
No Estimated or Reported Exposure	1	0.1%	25	0.3%	3	0.4%
<b>Total</b>	<b>1,171</b>	<b>100.0%</b>	<b>8,790</b>	<b>100.0%</b>	<b>855</b>	<b>100.0%</b>

Male Estimated or Reported Exposure Category						
Male-to-male Sexual Contact (MSM)	636	69.4%	3,525	65.0%	620	84.6%
Injection Drug Use (IDU)	24	2.6%	351	6.5%	28	3.9%
Male-to-male Sexual Contact and Injection Drug Use (MSM/IDU)	23	2.6%	185	3.4%	37	5.0%
Heterosexual Contact (HET)	228	24.9%	1,293	23.8%	43	5.9%
Perinatal Transmission	4	0.4%	51	0.9%	2	0.3%
Other Exposure	1	0.1%	1	0.0%	1	0.1%
No Estimated or Reported Exposure	0	0.0%	18	0.3%	1	0.1%
<b>Total</b>	<b>916</b>	<b>100.0%</b>	<b>5,424</b>	<b>100.0%</b>	<b>732</b>	<b>100.0%</b>

Female Estimated or Reported Exposure Category						
Injection Drug Use (IDU)	14	5.6%	291	8.6%	19	15.9%
Heterosexual Contact (HET)	234	91.6%	3,005	89.3%	98	80.0%
Perinatal Transmission	6	2.4%	58	1.7%	2	1.6%
Other Exposure	0	0.0%	6	0.2%	1	0.8%
No Estimated or Reported Exposure	1	0.4%	7	0.2%	2	1.6%
<b>Total</b>	<b>255</b>	<b>100.0%</b>	<b>3,367</b>	<b>100.0%</b>	<b>122</b>	<b>100.0%</b>

Note. Data have been statistically adjusted to account for missing transmission category, therefore, values may not sum to column total. For exposure category by gender, please see the Maryland HIV Epidemiological Profile Gender Diverse People Supplement.

**Table 21 – CD4 Test Results During 2019 for People Aged 13+ Living with Diagnosed HIV, Alive on December 31, 2019, by Estimated or Reported Exposure Category, Reported through June 30, 2020**

Estimated or Reported Exposure Category	Total People Aged 13+ with Living Diagnosed HIV							
	No.	Recent CD4 Test Results						
		No. with Test	% with Test	Median Count	<200	200-349	350-499	500+
Male-to-male Sexual Contact (MSM)	5,166	3,955	76.6%	627	6.0%	10.5%	15.9%	67.6%
Injection Drug Use (IDU)	763	555	72.8%	597	10.5%	12.6%	15.0%	61.9%
Male-to-male Sexual Contact and Injection Drug Use (MSM/IDU)	263	206	78.1%	546	8.6%	12.7%	22.7%	56.0%
Heterosexual Contact (HET)	5,108	3,829	75.0%	602	7.7%	12.0%	17.0%	63.3%
Perinatal Transmission	128	100	78.1%	660	17.0%	7.0%	7.0%	69.0%
Other Exposure	12	10	83.3%	460	10.0%	10.0%	40.0%	40.0%
No Estimated or Reported Exposure	30	22	73.3%	629	9.1%	4.5%	22.7%	63.6%
<b>Total</b>	<b>11,470</b>	<b>8,677</b>	<b>75.6%</b>	<b>612</b>	<b>7.2%</b>	<b>11.3%</b>	<b>16.4%</b>	<b>65.0%</b>

Note. Data have been statistically adjusted to account for missing transmission category, therefore, values may not sum to column total. Median count is weighted based on statistical adjustment.

**Table 22 – Viral Load Test Results During 2019 for People Aged 13+ Living with Diagnosed HIV, Alive on December 31, 2019, by Estimated or Reported Exposure Category, Reported through June 30, 2020**

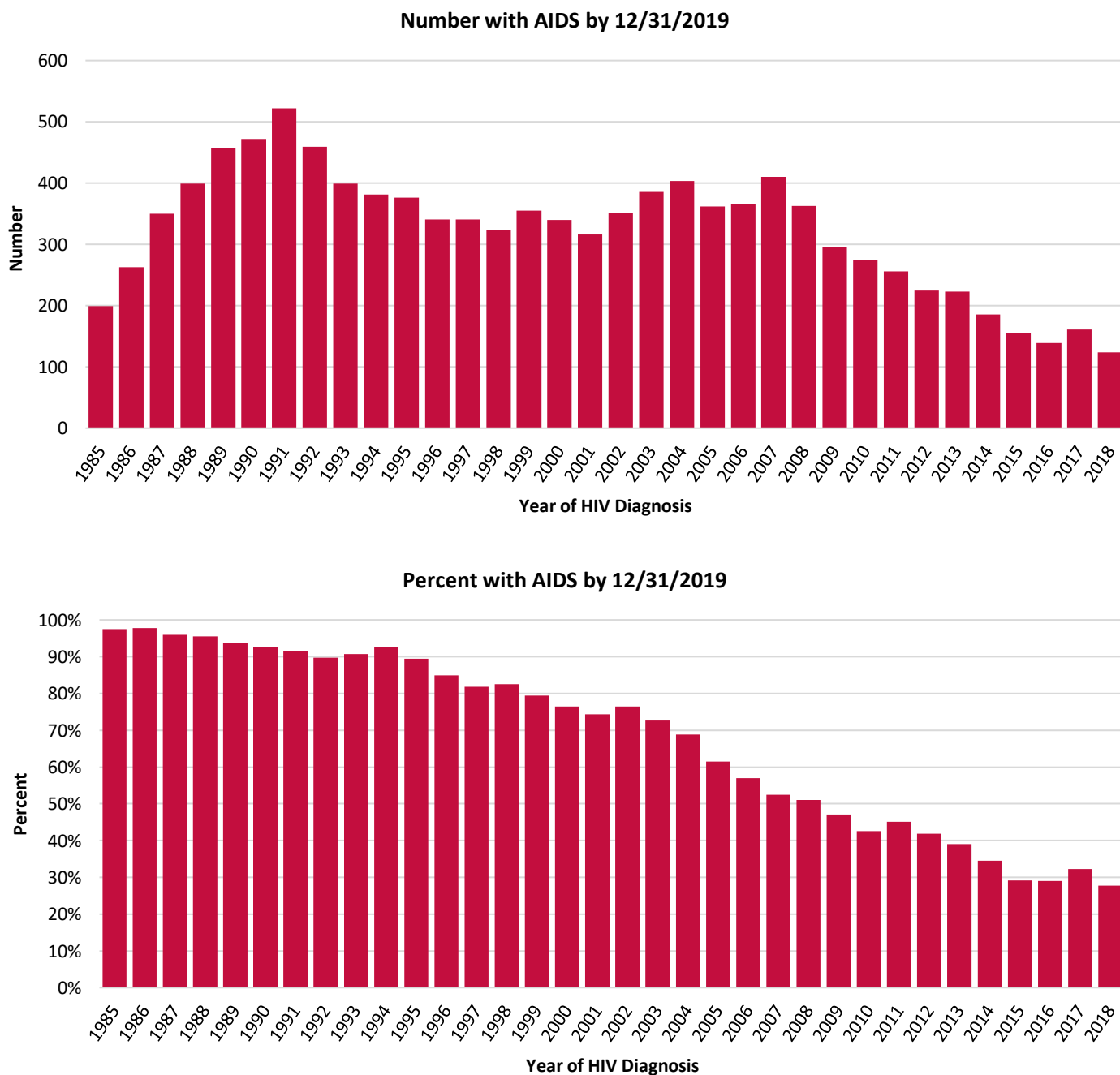
Estimated or Reported Exposure Category	Total People Aged 13+ with Living Diagnosed HIV				
	No.	Recent Viral Load Test Results			
		No. with Test	% with Test	% Suppressed	Median Unsuppressed
Male-to-male Sexual Contact (MSM)	5,166	4,015	77.7%	89.4%	13,000
Injection Drug Use (IDU)	763	559	73.2%	89.2%	6,652
Male-to-male Sexual Contact and Injection Drug Use (MSM/IDU)	263	205	78.0%	88.5%	1,840
Heterosexual Contact (HET)	5,108	3,856	75.5%	90.2%	5,480
Perinatal Transmission	128	101	78.9%	74.3%	6,500
Other Exposure	12	10	83.3%	90.0%	250
No Estimated or Reported Exposure	30	23	76.7%	78.3%	2,650
<b>Total</b>	<b>11,470</b>	<b>8,769</b>	<b>76.5%</b>	<b>89.5%</b>	<b>7,935</b>

Note. Data have been statistically adjusted to account for missing transmission category, therefore, values may not sum to column total. Median unsuppressed is weighted based on statistical adjustment.

## Section VIII – Disease Progression and Mortality

**Figure 10 – Trends in Disease Progression by Year of HIV Diagnosis, 1985-2018, Reported through June 30, 2020**

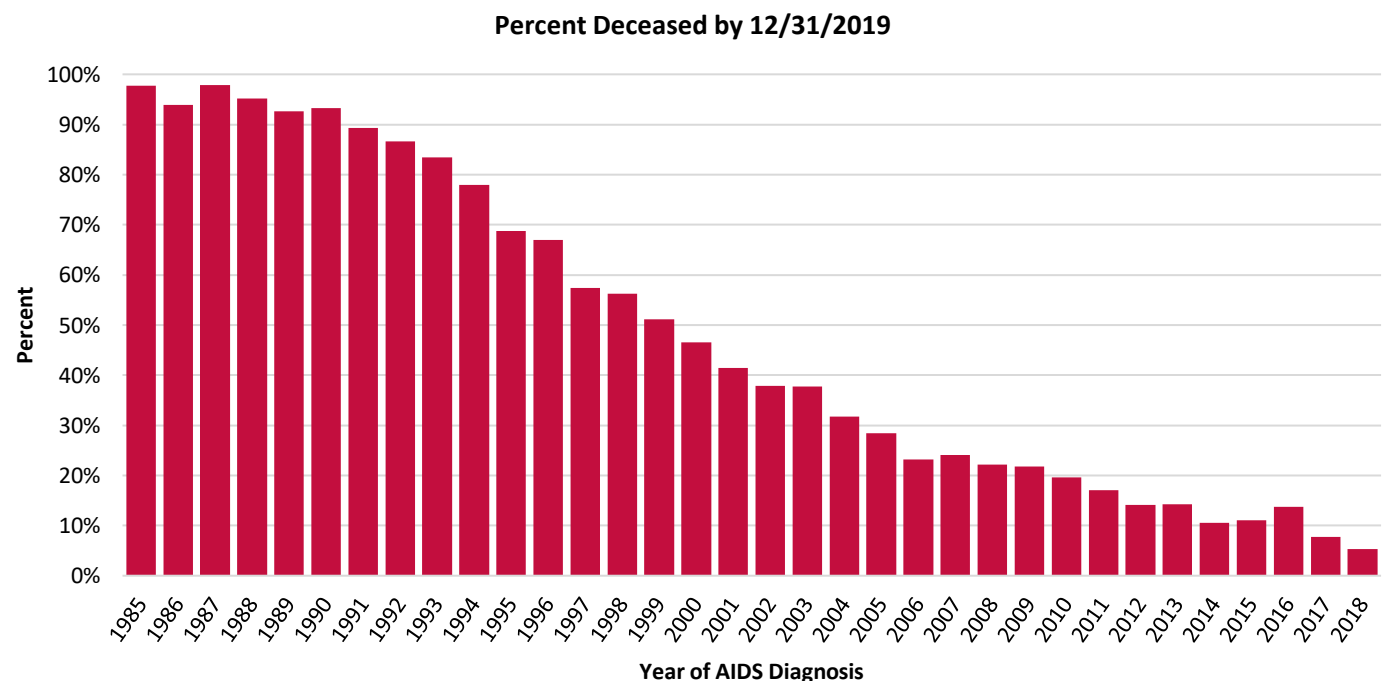
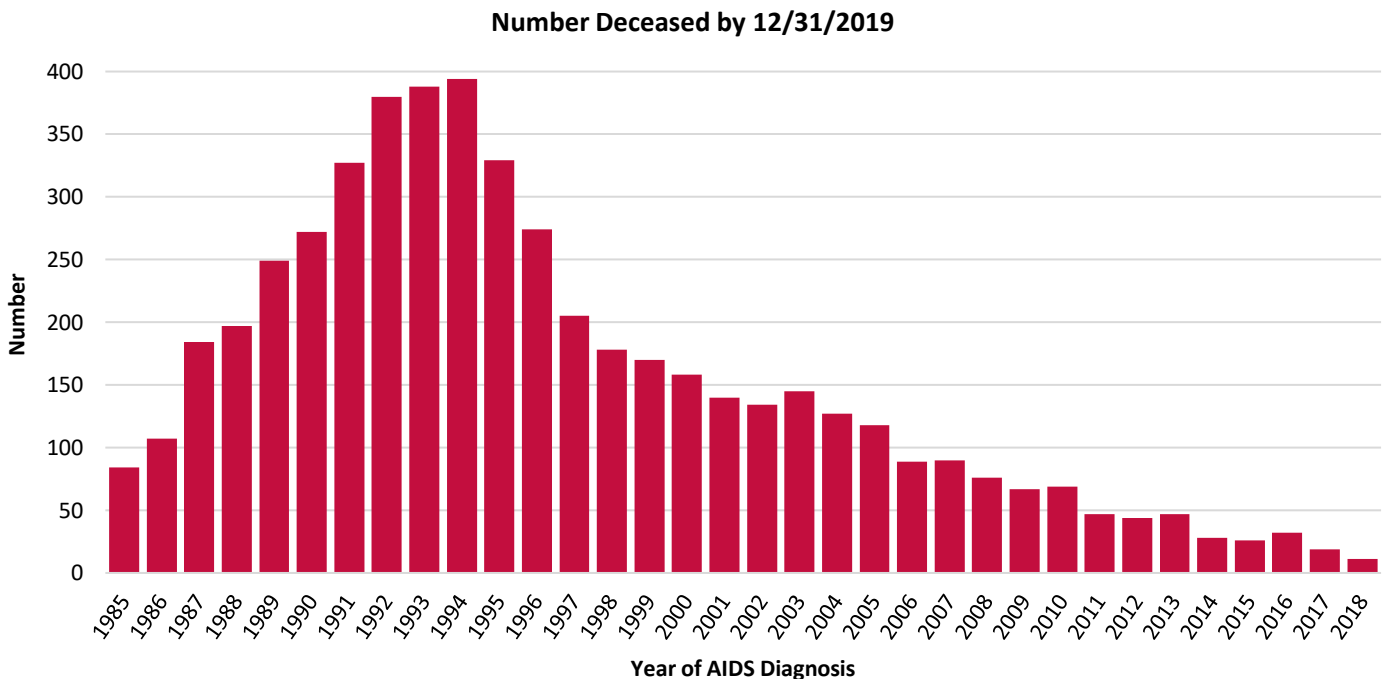
Number of People Aged 13+ with Diagnosed HIV, Age 13+ at HIV Diagnosis, (Reported HIV Diagnoses Among People Aged 13+), Number of People Aged 13+ with Diagnosed HIV with an AIDS Diagnosis by December 31, 2019 (Reported AIDS Diagnoses), Percent by Year of HIV Diagnosis of Reported HIV Diagnoses with a Reported AIDS Diagnosis Among People Aged 13+ by December 31, 2019, the Average Years from HIV Diagnosis to AIDS Diagnosis for People with an AIDS Diagnosis, and the Percent by Year of HIV Diagnosis of Reported HIV Diagnoses with a Reported AIDS Diagnosis Among People Aged 13+ at 1 Year, 2 Years, 5 Years, and 10 Years after HIV Diagnosis, by Year of HIV Diagnosis from 1985 through 2018, Reported through June 30, 2020



Reported HIV Diagnoses Among People Aged 13+								
Year of HIV Diagnosis	No.	Reported AIDS Diagnoses			Percent with AIDS by Years After HIV Diagnosis			
		No.	% with AIDS	Mean Years from HIV to AIDS	1 Year	2 Years	5 Years	10 Years
<1985	113	106	93.8%	7.9	40.7%	40.7%	43.4%	57.5%
1985	204	199	97.5%	5.7	42.2%	43.6%	50.0%	77.5%
1986	269	263	97.8%	4.8	43.5%	44.2%	55.0%	86.6%
1987	365	350	95.9%	3.9	47.7%	48.5%	64.4%	86.6%
1988	418	399	95.5%	3.3	48.6%	53.1%	72.7%	88.8%
1989	488	458	93.9%	3.0	49.0%	52.0%	73.6%	88.5%
1990	509	472	92.7%	3.0	48.3%	55.2%	73.5%	87.0%
1991	571	522	91.4%	2.5	51.8%	60.6%	78.6%	85.8%
1992	511	459	89.8%	3.0	48.5%	56.6%	73.2%	82.4%
1993	440	399	90.7%	2.2	60.0%	65.9%	77.3%	85.7%
1994	411	381	92.7%	2.0	66.7%	71.8%	78.6%	87.3%
1995	420	376	89.5%	2.0	65.2%	70.7%	75.5%	84.5%
1996	401	341	85.0%	1.9	63.6%	65.3%	72.8%	80.8%
1997	417	341	81.8%	2.0	60.2%	64.0%	70.0%	77.5%
1998	391	323	82.6%	2.1	58.8%	62.9%	70.1%	77.2%
1999	447	355	79.4%	1.8	60.0%	64.0%	68.9%	74.5%
2000	445	340	76.4%	2.1	55.3%	58.4%	64.3%	71.7%
2001	425	316	74.4%	2.1	52.7%	55.1%	63.3%	69.2%
2002	459	351	76.5%	1.5	60.6%	64.5%	69.1%	73.0%
2003	531	386	72.7%	1.7	55.6%	57.6%	62.9%	68.9%
2004	586	403	68.8%	1.7	51.5%	54.3%	58.5%	66.2%
2005	589	362	61.5%	1.4	48.4%	50.8%	55.0%	59.8%
2006	640	365	57.0%	1.8	40.6%	43.4%	49.2%	54.4%
2007	781	410	52.5%	1.9	36.4%	38.7%	44.2%	50.2%
2008	712	363	51.0%	1.4	36.2%	39.3%	46.3%	50.4%
2009	628	296	47.1%	1.8	32.5%	34.7%	40.0%	46.7%
2010	645	275	42.6%	1.3	30.7%	33.8%	38.3%	--
2011	568	256	45.1%	1.3	33.5%	36.6%	40.1%	--
2012	538	225	41.8%	1.0	32.5%	35.1%	39.2%	--
2013	572	223	39.0%	0.8	32.7%	34.4%	37.2%	--
2014	539	186	34.5%	0.8	26.3%	28.6%	33.6%	--
2015	536	156	29.1%	0.5	25.0%	26.5%	--	--
2016	480	139	29.0%	0.5	25.0%	26.7%	--	--
2017	499	161	32.3%	0.2	30.5%	32.1%	--	--
2018	448	124	27.7%	0.2	26.3%	--	--	--
Total	16,996	11,081	65.2%	2.2	44.3%	47.5%	54.8%	61.7%

**Figure 11 – Trends in Survival Times by Year of AIDS Diagnosis, 1985-2018, Reported through June 30, 2020**

Number of People Aged 13+ with Diagnosed HIV, Age 13+ at HIV Diagnosis, with an AIDS Diagnosis by December 31, 2018 (Reported AIDS Diagnoses), Number of Reported AIDS Diagnosis Among People Aged 13+ Reported to Have Died of Any Cause by December 31, 2019 (Reported AIDS Deaths), Percent by Year of AIDS Diagnosis of Reported AIDS Diagnoses with a Reported AIDS Death (Percent Dead) Among People Aged 13+ by December 31, 2019, the Average Years from AIDS Diagnosis to Death for People that have Died, and the Percent by Year of AIDS Diagnosis of Reported AIDS Diagnoses Among People Aged 13+ Not Reported to Have Died (Percent Alive) at 1 Year, 2 Years, 5 Years, and 10 Years after AIDS Diagnosis, by Year of AIDS Diagnosis from 1985 through 2018, Reported through June 30, 2020





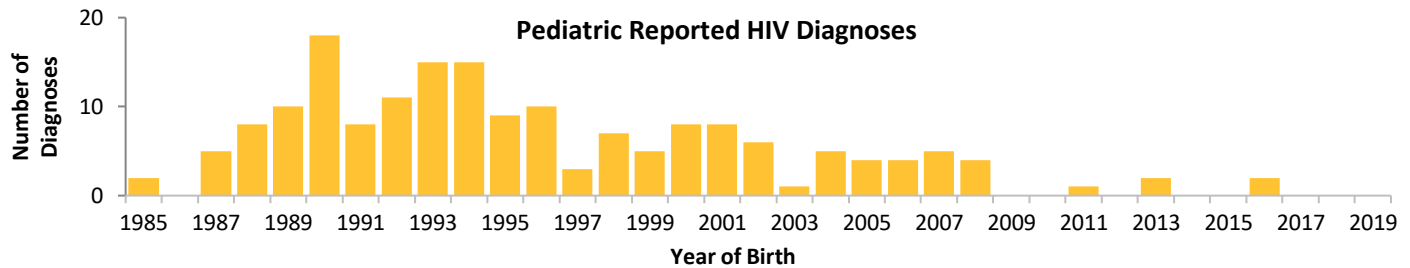
Reported AIDS Diagnoses Among People Aged 13+								
Year of AIDS Diagnosis	No.	Reported AIDS Deaths			Percent Alive by Years After AIDS Diagnosis			
		No.	% Deceased	Mean Years from AIDS to Death	1 Year	2 Years	5 Years	10 Years
<1985	53	53	100.0%	0.9	34.0%	5.7%	1.9%	0.0%
1985	86	84	97.7%	1.4	39.5%	15.1%	11.6%	3.5%
1986	114	107	93.9%	1.9	51.8%	32.5%	12.3%	8.8%
1987	188	184	97.9%	2.1	51.6%	29.3%	10.6%	6.4%
1988	207	197	95.2%	2.0	62.8%	37.2%	14.0%	7.2%
1989	269	249	92.6%	3.2	68.8%	51.3%	22.3%	13.8%
1990	292	272	93.2%	2.9	64.7%	48.3%	21.2%	13.4%
1991	366	327	89.3%	2.8	68.0%	52.5%	19.7%	15.0%
1992	439	380	86.6%	3.4	74.0%	53.3%	26.2%	21.0%
1993	465	388	83.4%	3.6	72.9%	57.4%	33.8%	25.6%
1994	505	394	78.0%	3.8	75.8%	55.8%	40.8%	30.5%
1995	478	329	68.8%	5.0	75.7%	66.1%	55.6%	43.9%
1996	409	274	67.0%	5.5	80.4%	74.6%	63.3%	46.9%
1997	357	205	57.4%	5.3	81.8%	76.2%	64.7%	54.1%
1998	316	178	56.3%	5.7	85.4%	81.3%	70.3%	55.1%
1999	333	170	51.1%	5.4	84.4%	78.7%	70.0%	58.6%
2000	340	158	46.5%	6.5	91.8%	89.4%	78.8%	64.7%
2001	337	140	41.5%	5.6	87.5%	84.0%	76.6%	68.0%
2002	354	134	37.9%	4.8	89.5%	86.7%	76.8%	69.2%
2003	384	145	37.8%	4.9	89.1%	84.1%	77.1%	70.1%
2004	399	127	31.8%	4.9	90.2%	87.2%	81.2%	74.7%
2005	415	118	28.4%	4.1	90.8%	88.7%	81.4%	75.2%
2006	384	89	23.2%	4.5	93.2%	91.1%	86.5%	79.2%
2007	374	90	24.1%	3.9	91.4%	88.5%	84.5%	78.1%
2008	342	76	22.2%	2.9	90.4%	87.4%	83.3%	78.9%
2009	308	67	21.8%	2.8	90.3%	88.6%	83.4%	78.9%
2010	352	69	19.6%	2.7	92.9%	90.3%	85.2%	--
2011	277	47	17.0%	2.5	94.2%	91.0%	85.6%	--
2012	311	44	14.1%	2.2	92.6%	91.0%	88.7%	--
2013	329	47	14.3%	1.8	93.0%	90.9%	87.2%	--
2014	265	28	10.6%	1.8	95.8%	93.6%	89.8%	--
2015	234	26	11.1%	1.0	92.7%	91.5%	--	--
2016	234	32	13.7%	0.7	90.2%	87.6%	--	--
2017	247	19	7.7%	0.6	94.3%	92.7%	--	--
2018*	208	11	5.3%	0.3	94.7%	--	--	--
Total	10,971	5,258	47.9%	3.8	83.2%	75.5%	64.5%	57.6%

\*2018 AIDS deaths are preliminary

## Section IX – Pediatrics

**Figure 12 – Trends in Reported HIV Diagnoses Among People Aged <13, 1985-2019, Reported through June 30, 2020**

Number of Pediatric HIV Diagnoses, Age <13 at HIV Diagnosis, (Pediatric Reported HIV Diagnoses) by Year of Birth, by Year of HIV Diagnosis, by Year of AIDS Diagnosis, and by Year of Death Due to Any Cause, and Number of Children with Diagnosed HIV, Age <13 at HIV Diagnosis, and Not Reported to have Died as of December 31<sup>st</sup> of Each Year (Total Living Pediatric Diagnoses) from 1985 through 2019, as Reported by Name through June 30, 2020



Year	Pediatric Reported HIV Diagnoses				Total Living Pediatric Diagnoses Alive on December 31st of Each Year
	No. by Year of Birth	No. by Year of HIV Diagnosis	No. by Year of AIDS Diagnosis	No. by Year of Death	
<1985	20	3	2	0	--
1985	2	4	2	1	6
1986	0	5	0	0	11
1987	5	5	3	0	17
1988	8	2	3	2	18
1989	10	8	5	2	24
1990	18	13	6	4	33
1991	8	13	7	2	43
1992	11	10	7	2	49
1993	15	8	8	4	52
1994	15	7	4	2	58
1995	9	9	9	5	61
1996	10	13	11	2	70
1997	3	6	5	1	75
1998	7	5	1	3	77
1999	5	10	6	0	86
2000	8	5	3	1	90
2001	8	5	2	2	93
2002	6	10	2	0	103
2003	1	4	1	4	103
2004	5	5	2	2	106
2005	4	7	3	1	112
2006	4	9	3	1	120
2007	5	9	3	1	129
2008	4	5	1	0	136
2009	0	3	3	0	139
2010	0	1	1	1	140
2011	1	1	1	0	142
2012	0	1	0	0	145
2013	2	2	1	0	147
2014	0	3	0	0	150
2015	0	0	6	0	150
2016	2	3	2	1	154
2017	0	1	1	0	157
2018	0	1	4	1	157
2019	0	0	2	1	159
<b>Total</b>	<b>196</b>	<b>196</b>	<b>120</b>	<b>46</b>	<b>--</b>

**Table 23 – People Aged <13 Living with Diagnosed HIV, Alive on December 31, 2019, by Jurisdiction of Current Residence, Reported through June 30, 2020**

Jurisdiction of Current Residence	Total People Aged <13 Living with Diagnosed HIV	
	No.	% of Total
Montgomery	7	38.9%
Prince George's	11	61.1%
<b>Total</b>	18	100.0%

**Table 24 – People Aged <13 Living with Diagnosed HIV, Alive on December 31, 2019, by Sex at Birth and Race/Ethnicity, Reported through June 30, 2020**

Demographic Characteristic	Total People Aged <13 Living with Diagnosed HIV	
	No.	% of Total
<b>Sex at Birth</b>		
Male	7	38.9%
Female	11	61.1%
<b>Race/Ethnicity</b>		
<b>Hispanic</b>	3	16.7%
<b>Non-Hispanic</b>	15	83.3%
American Indian/Alaska Native, only	0	0.0%
Asian, only	1	5.6%
Black, only	12	66.7%
Native Hawaiian/Other Pacific Islander, only	0	0.0%
White, only	2	11.1%
Multiracial/Other	0	0.0%
<b>Total</b>	18	100.0%

## Glossary of Terms

**Age at AIDS Diagnosis:** Age group at time of initial AIDS diagnosis.

**Age at HIV Diagnosis:** Age group at time of initial HIV diagnosis.

**Age on [date]:** Age group of people living with diagnosed HIV on the specified date.

**Another Gender Identity:** All other gender identities or gender expressions.

**CD4 Result Distribution (<200, 200-349, 350-499, 500+):** Percent of people living with diagnosed HIV with a CD4 test distributed by their CD4 count results (cells per microliter).

**CD4 With Test:** Number and percent of total people aged 13+ living with diagnosed HIV with a recent CD4 test result.

**Corrections:** Residence in a state or federal prison. Does not include local jails and detention centers.

**Current Residence:** Jurisdiction of residence from the most recent report since January 1, 2009.

**First CD4 Test Result Median Count:** Median CD4 count (cells per microliter) of the first CD4 test result reported within 12 months following initial HIV diagnosis.

**First CD4 Test Result Percent with Test:** Percent of reported HIV diagnoses among people aged 13+ with the first CD4 test result reported within 12 months following the initial HIV diagnosis.

**Gender Expression:** People's outward presentation of their gender which may or may not conform to socially defined behaviors and characteristics typically associated with being either masculine or feminine.

**Gender Identity:** Refers to one's internal understanding of one's own gender, or the gender with which a person identifies.

**Heterosexual Contact (HET):** Men or women who report a history of sexual contact with a person of the opposite sex who is known to be HIV positive or at increased risk for HIV transmission. Risk groups include bisexual men, IDUs and recipients of blood, blood components, transplants of organ or tissue, and artificial insemination.

**Injection Drug Use (IDU):** Men or women who report receiving an injection, either self-administered or given by another person, of a drug that was not prescribed by a physician.

**Jurisdiction of Current Residence:** Jurisdiction of residence from the most recent report since January 1, 2009.

**Jurisdiction of Residence:** Jurisdiction of residence at diagnosis or current residence.

**Jurisdiction of Residence at AIDS Diagnosis:** Jurisdiction of residence at time of initial AIDS diagnosis.

**Jurisdiction of Residence at Diagnosis:** Jurisdiction of residence at the later time of initial HIV diagnosis or time of initial AIDS diagnosis.

**Jurisdiction of Residence at HIV Diagnosis:** Jurisdiction of residence at time of initial HIV diagnosis.

**Late HIV Diagnosis:** Percent of adult/adolescent reported HIV diagnoses with an initial AIDS diagnosis less than or equal to 3 months after their initial HIV diagnosis.

**Linked to Care:** Percent of adult/adolescent reported HIV diagnoses with a reported CD4 or viral load test performed less than or equal to 1 month or 3 months after their initial HIV diagnosis.

**People Aged 13+ Living with Diagnosed HIV:** Reported HIV diagnoses, age 13 years or older as of December 31<sup>st</sup> of the specified year and not reported to have died as of December 31<sup>st</sup> of the specified year.

**People Living with Diagnosed HIV:** Reported HIV diagnoses not reported to have died as of December 31<sup>st</sup> of the specified year.

**Mean Years from HIV Diagnosis:** Mean or average number of years from initial HIV diagnosis to initial AIDS diagnosis for people living with a reported AIDS diagnosis.

**Mean Years from AIDS diagnosis to AIDS Death:** Mean or average number of years from initial AIDS diagnosis to death for adult/adolescent reported AIDS diagnoses with a reported death.

**Median Count:** Median CD4 count (cells per microliter), among total people aged 13+ living with diagnosed HIV, of the most recent CD4 test result measured in the specified year.

**Median Unsuppressed:** Median unsuppressed viral load (copies per milliliter) among people aged 13+ living with diagnosed HIV of the most recent viral load test result measured in the specified year of 200 copies per milliliter or greater.

**Male-to-male Sexual Contact (MSM):** Men who report a history of sexual contact with other men (homosexual contact) including men who report sexual contact with both men and women (bisexual contact).

**Male-to-male Sexual Contact/Injection Drug Use (MSM/IDU):** Men who report a history of sexual contact with other men who also have engaged in injection drug use.

**Other Exposure:** Includes men or women who received clotting factor for hemophilia/coagulation disorder, or received a transfusion of blood/blood components, or received a transplant of tissue/organs or artificial insemination, or worked in a health care or clinical laboratory setting.

**Percent Change:** The percent change in number of total people aged 13+ living with diagnosed HIV from residence at diagnosis to current residence.

**Percent Alive by Years after AIDS Diagnosis:** Percent of adult/adolescent reported AIDS diagnoses not reported to have died at 1 year, 2 years, 5 years and 10 years after initial AIDS diagnosis, by year of AIDS diagnosis.

**Percent Late HIV Diagnosis:** Percent of adult/adolescent reported AIDS diagnoses with an initial HIV diagnosis less than or equal to 3 months prior to their initial AIDS diagnosis.

**Percent Suppressed:** Percent of total people aged 13+ living with diagnosed HIV with a recent viral load test result measured in the specified year of less than 200 copies per milliliter.

**Percent with AIDS by Years after HIV Diagnosis:** Percent of adult/adolescent reported HIV diagnoses in the specified year with an initial AIDS diagnosis at 1 year, 2 years, 5 years and 10 years after HIV diagnosis.

**Perinatal Exposure:** Any baby born to a woman living with diagnosed HIV.

**Perinatal HIV Transmission Percent:** Percent of confirmed perinatal HIV transmissions among reported perinatal HIV exposures by year of birth.

**Perinatal HIV Transmission Rate:** Number of confirmed perinatal HIV transmissions divided by the number of live births multiplied by 100,000 by year of birth.

**Population:** Population estimate for July 1, 2019.

**Population Age 13+:** Population age 13 years or older, estimate for July 1, 2019.

**Rate:** Number of people living with diagnosed HIV divided by the population and multiplied by 100,000.

**Ratio (1 in X):** Number of people for every 1 person living with diagnosed HIV in the population, or 1 person living with diagnosed HIV in every X number of people.

**Recent CD4 Test Result:** The most recent CD4 test result measured in the specified year.

**Recent Viral Load Test Result:** The most recent viral load test result measured in the specified year.

**Reported AIDS Deaths:** Reported HIV diagnoses with an AIDS diagnosis, reported to have died of any cause during the specified year.

**Reported AIDS Diagnoses:** Reported HIV diagnoses with an initial AIDS diagnosis during the specified year.

**Reported AIDS Diagnoses Among People Aged 13+:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an initial AIDS diagnosis during the specified year.

**Reported HIV Diagnoses:** Reported HIV diagnoses with an initial HIV diagnosis during the specified year.

**Reported HIV Diagnoses Among People Aged 13+:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an initial HIV diagnosis during the specified year.

**Residence at Diagnosis:** Jurisdiction of residence at later time of initial HIV diagnosis or initial AIDS diagnosis.

**Retained in HIV Care:** HIV diagnosed with a reported CD4 or viral load test result performed or reported antiretroviral use in the specified year.

**Suppressed Viral Load:** HIV diagnosed with the most recent viral load measured in the specified year of less than 200 copies per milliliter.

**Total People Aged 13+ Living with Diagnosed HIV:** Reported HIV diagnoses, age 13 years or older as of December 31<sup>st</sup> of the specified year not reported to have died as of December 31<sup>st</sup> of the specified year.

**Total People Aged <13 Living with Diagnosed HIV:** Reported HIV diagnosis, age less than 13 years at HIV diagnosis and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Total People Living with Diagnosed HIV:** Reported HIV diagnoses not reported to have died as of December 31<sup>st</sup> of the specified year.

**Transfeminine:** A person whose sex assigned at birth is male but who identify as feminine.

**Transmasculine:** A person whose sex assigned at birth is female but who identify as masculine.

**Viral Load With Test:** Number and percent of total people aged 13+ living with diagnosed HIV with a recent viral load test result.