

2019

SOUTHERN 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/Southern-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 43 reported HIV diagnoses in the Southern Region. The Southern Region includes Calvert County, Charles County, and Saint Mary's County. Data presented below describe HIV diagnoses in the Southern Region, among people age 13 years and older, during 2019.

- Geographic distribution: Charles County accounted for the highest number (35, 81.4%) and highest rate (25.7) of HIV diagnoses.
- Age: Persons aged 20-29 years accounted for the highest number (17, 39.5%) and rate (36.3) of HIV diagnoses.
- Sex at Birth: Males accounted for the highest number (36, 83.7%) of HIV diagnoses. The rate among males was 24.0 and 4.4 among females.
- Race/Ethnicity: Non-Hispanic Blacks accounted for the highest number (30, 69.8%) and the highest rate (33.3) of HIV diagnoses.
- Exposure Category: Male-to-male sexual contact accounted for the highest number (26, 60.5%) of diagnoses.

People living with Diagnosed HIV

At the end of 2019, there were 903 people living with diagnosed HIV in the Southern Region. Data presented below describe people living with diagnosed HIV, aged 13 years and older, in the Southern Region.

- Geographic distribution: Charles County accounted for the highest number (616, 68.2%) of people living with diagnosed HIV, as well as the highest rate (452.9).
- Age: Persons aged 40-59 years accounted for the highest number (458, 50.5%) of people living with diagnosed HIV. The highest rate was among 50-59-year-olds (475.8).
- Sex at Birth: Males accounted for the highest number (608, 67.3%) of people living with diagnosed HIV. The rate among males was 405.3 and 186.7 among females.
- Race/Ethnicity: Non-Hispanic Blacks accounted for the highest number (647, 71.7%) of the people living with diagnosed HIV, as well as the highest rate (717.8).
- Exposure Category: Male-to-male sexual contact accounted for the highest number (414, 45.8%) of the total people living with diagnosed HIV.

Engagement in HIV Care

- HIV diagnosed: Among people living with HIV in the Southern Region, it is estimated that 89.2% have been diagnosed, while an estimated 98 people with HIV in the Southern Region remain undiagnosed.
- Linked to care: During 2019, 79.1% 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, 81.3% were retained in care during 2019.
- Viral suppression: In 2019, 72.1% 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.¹ 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.

¹Centers 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.

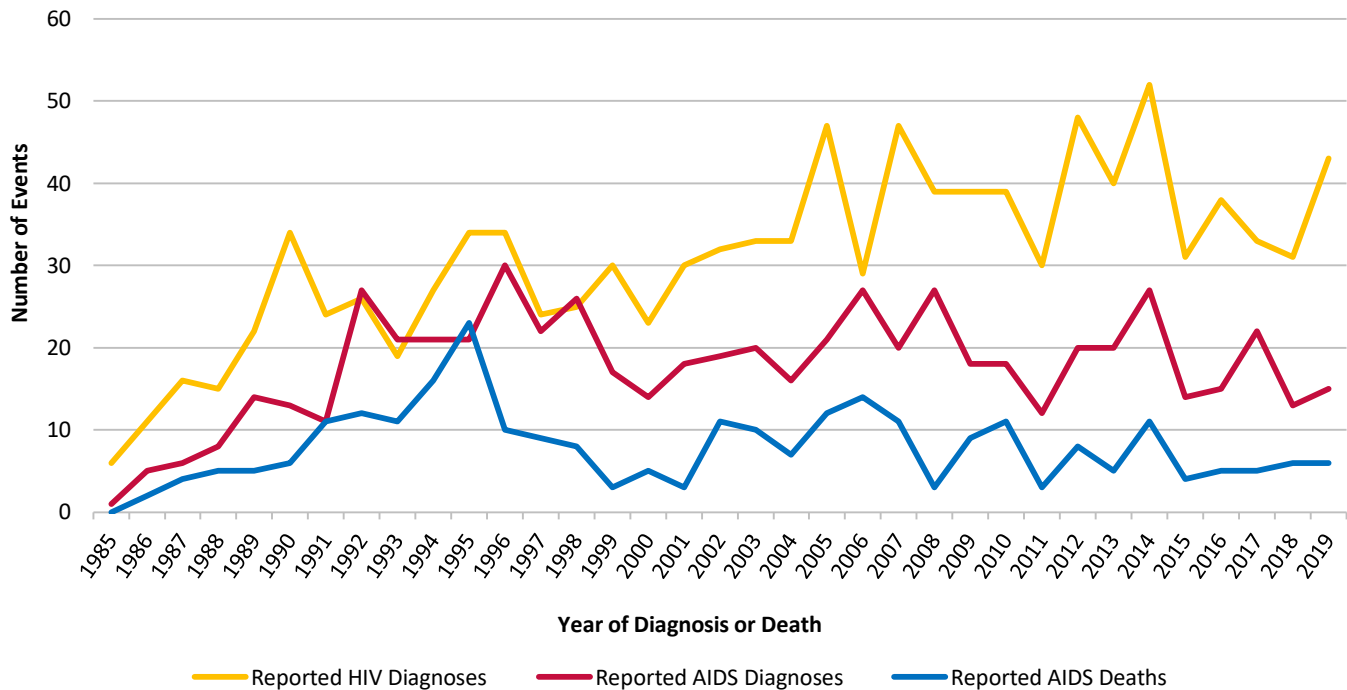
Multiple Imputation

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

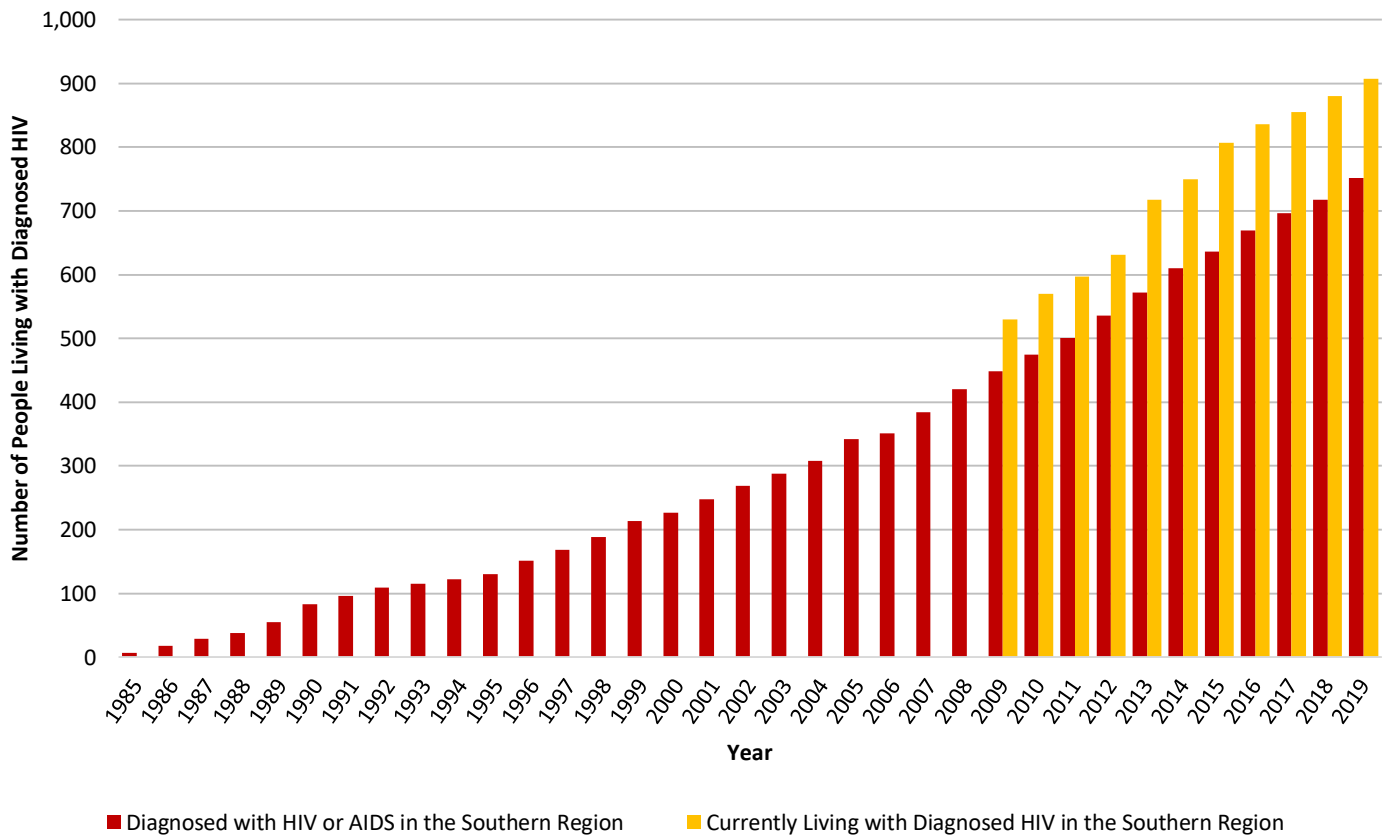


Year of Diagnosis or Death	Reported HIV Diagnoses	Reported AIDS Diagnoses	Reported AIDS Deaths	Year of Diagnosis or Death	Reported HIV Diagnoses	Reported AIDS Diagnoses	Reported AIDS Deaths
<1985	2	1	1	2002	32	19	11
1985	6	1	0	2003	33	20	10
1986	11	5	2	2004	33	16	7
1987	16	6	4	2005	47	21	12
1988	15	8	5	2006	29	27	14
1989	22	14	5	2007	47	20	11
1990	34	13	6	2008	39	27	3
1991	24	11	11	2009	39	18	9
1992	26	27	12	2010	39	18	11
1993	19	21	11	2011	30	12	3
1994	27	21	16	2012	48	20	8
1995	34	21	23	2013	40	20	5
1996	34	30	10	2014	52	27	11
1997	24	22	9	2015	31	14	4
1998	25	26	8	2016	38	15	5
1999	30	17	3	2017	33	22	5
2000	23	14	5	2018*	31	13	6
2001	30	18	3	2019*	43	15	6
				Total	1,086	620	275

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

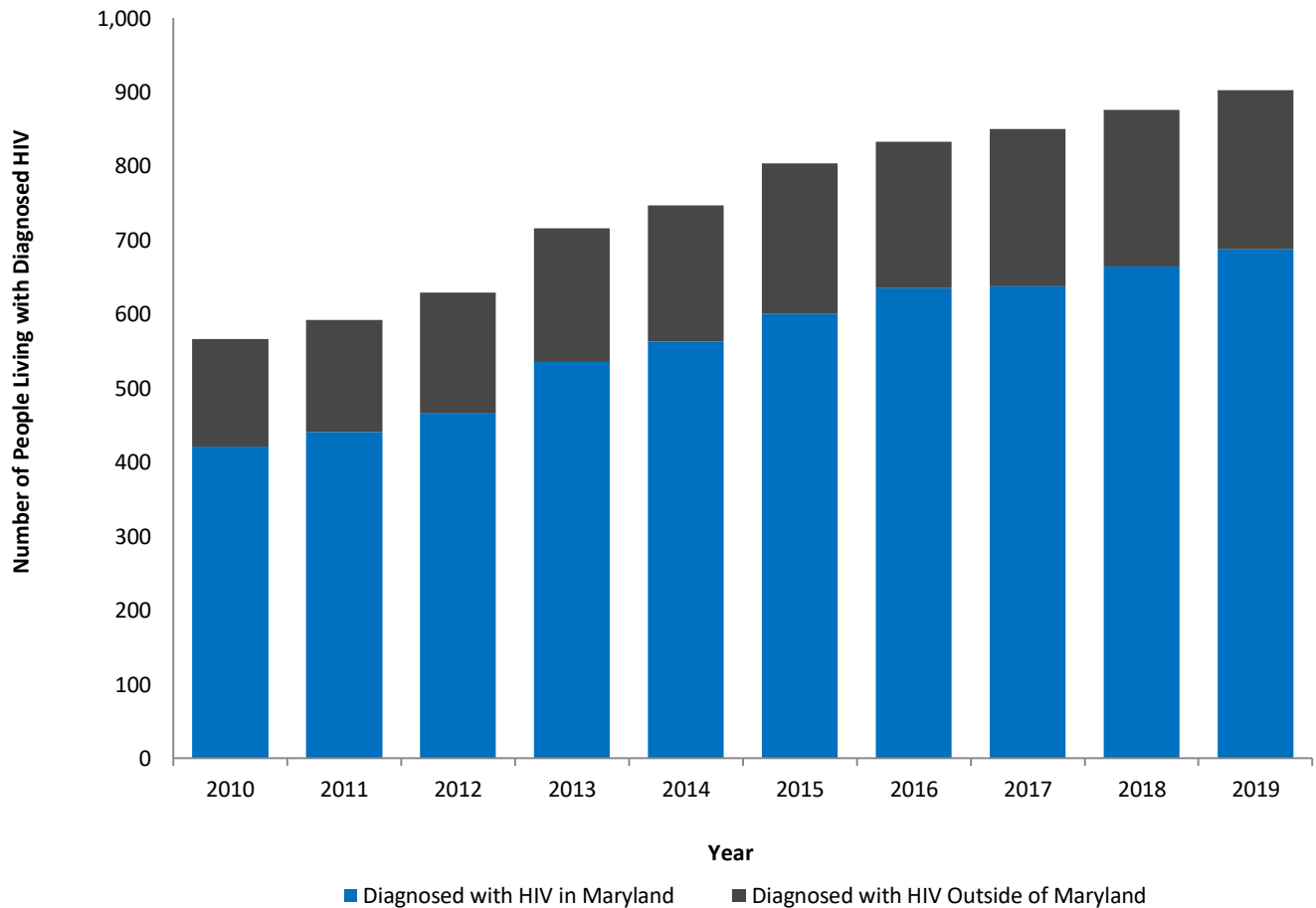


People Living with Diagnosed HIV				People Living with Diagnosed HIV			
Year	Diagnosed with HIV or AIDS in the Southern Region		Current Residents	Year	Diagnosed with HIV or AIDS in the Southern Region		Current Residents
	Diagnosed with HIV or AIDS in the Southern Region	Current Residents			Diagnosed with HIV or AIDS in the Southern Region	Current Residents	
1985	7	--		2003	288	--	
1986	18	--		2004	308	--	
1987	29	--		2005	342	--	
1988	38	--		2006	351	--	
1989	55	--		2007	384	--	
1990	83	--		2008	420	--	
1991	96	--		2009	449		530
1992	109	--		2010	475		570
1993	115	--		2011	501		597
1994	122	--		2012	536		631
1995	130	--		2013	572		718
1996	151	--		2014	610		750
1997	168	--		2015	636		807
1998	189	--		2016	669		836
1999	214	--		2017	696		855
2000	227	--		2018	718		880
2001	248	--		2019	752		907
2002	269	--					

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

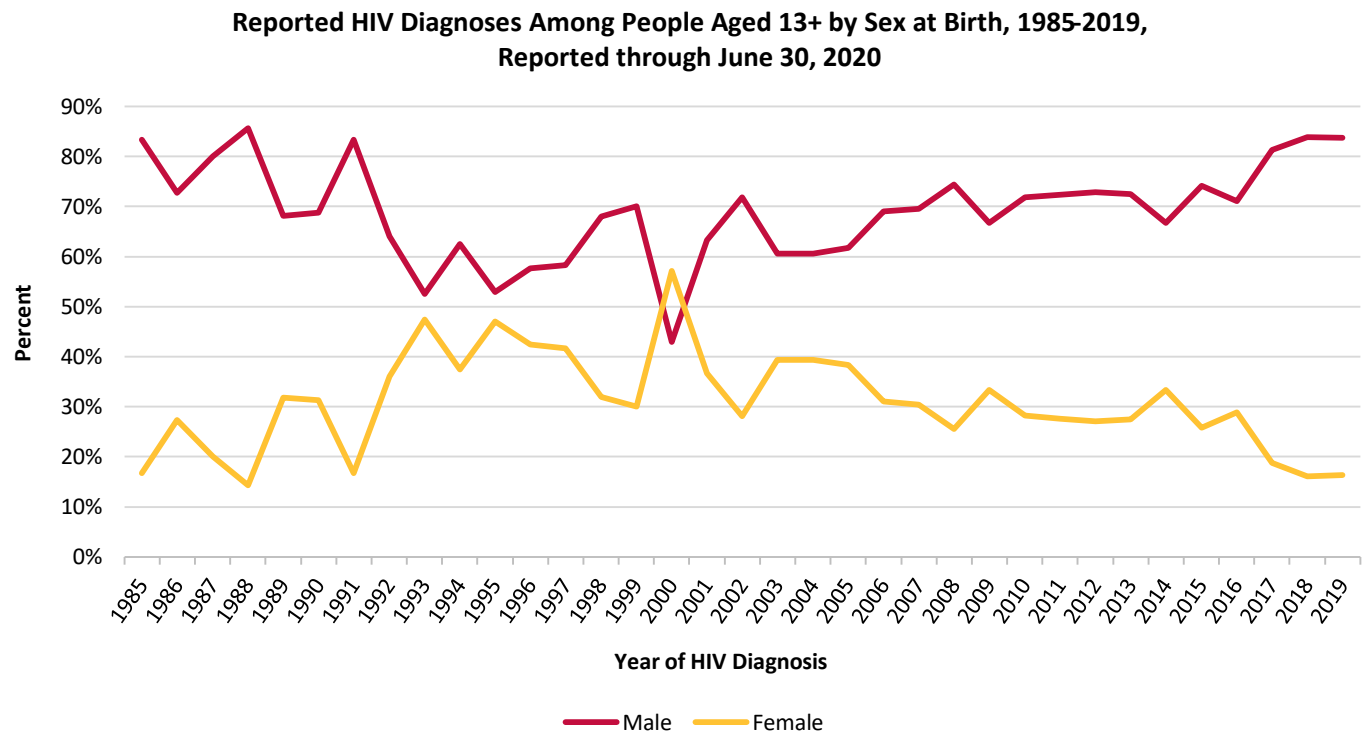
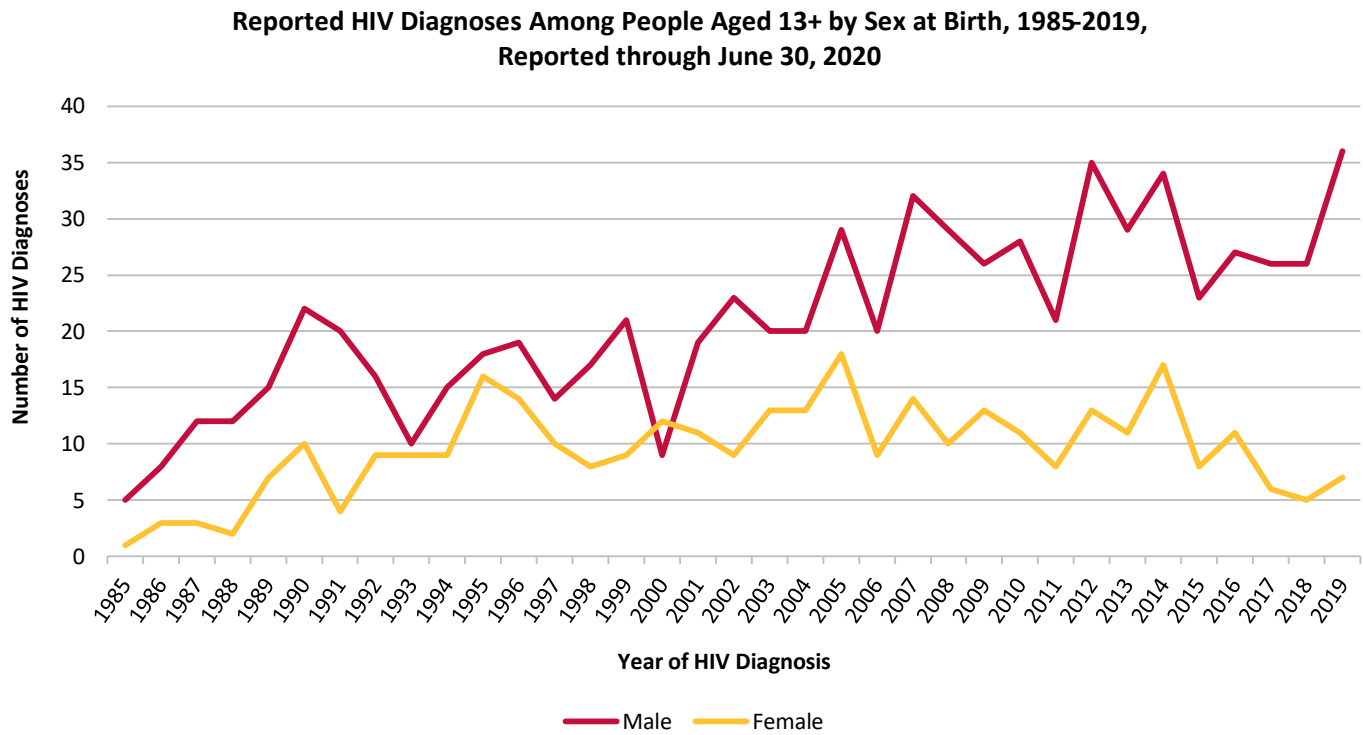
People Living with Diagnosed HIV in the Southern Region and Not Reported to have Died as of December 31st of Each Year from 2010 through 2019, as Reported through June 30, 2020



Year	Population Age 13+	Southern Region Residents Aged 13+ as of December 31st of the Specified Year				Rate
		Diagnosed with HIV in Maryland	Diagnosed with HIV Outside of Maryland	Total		
2010	279,790	421	146	567		202.7
2011	284,236	441	151	592		208.3
2012	287,691	466	163	629		218.6
2013	291,209	536	180	716		245.9
2014	293,950	563	184	747		254.1
2015	296,463	601	203	804		271.2
2016	299,377	635	198	833		278.2
2017	302,247	638	212	850		281.2
2018	305,217	665	211	876		287.0
2019	308,057	688	215	903		293.1

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

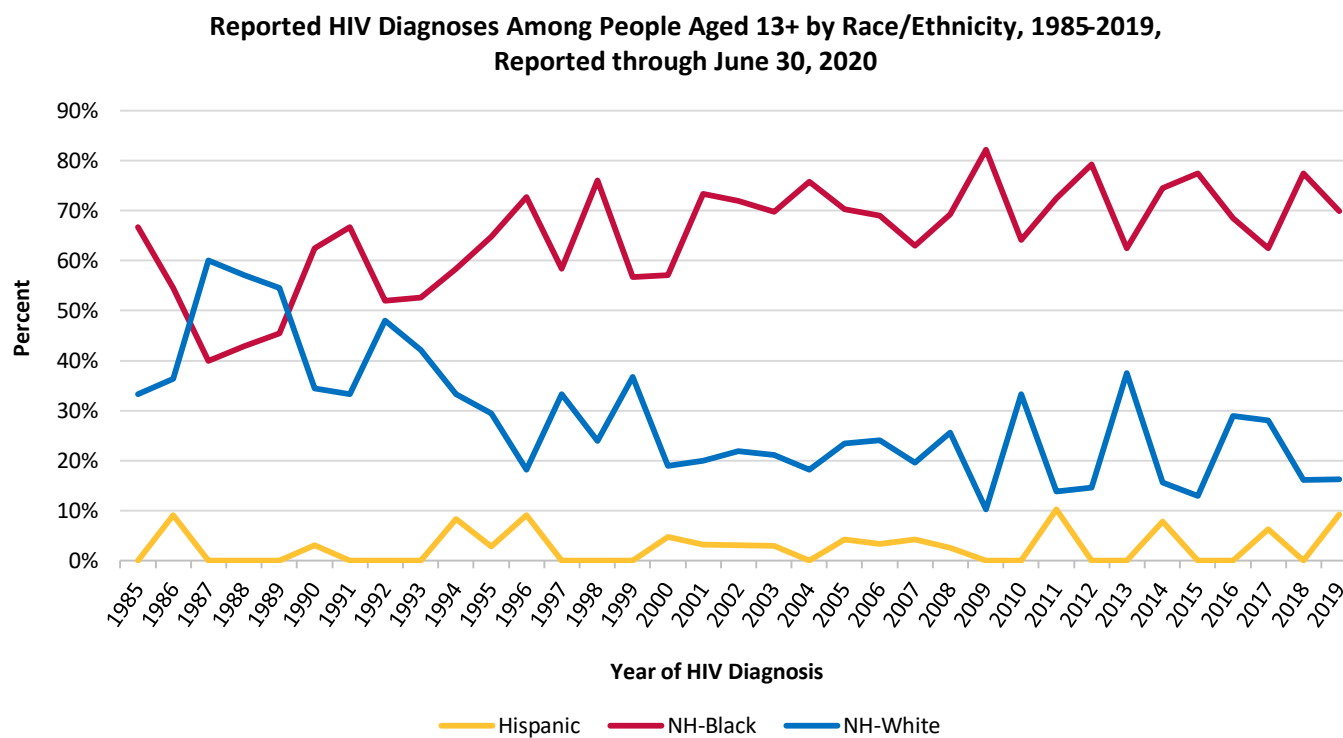
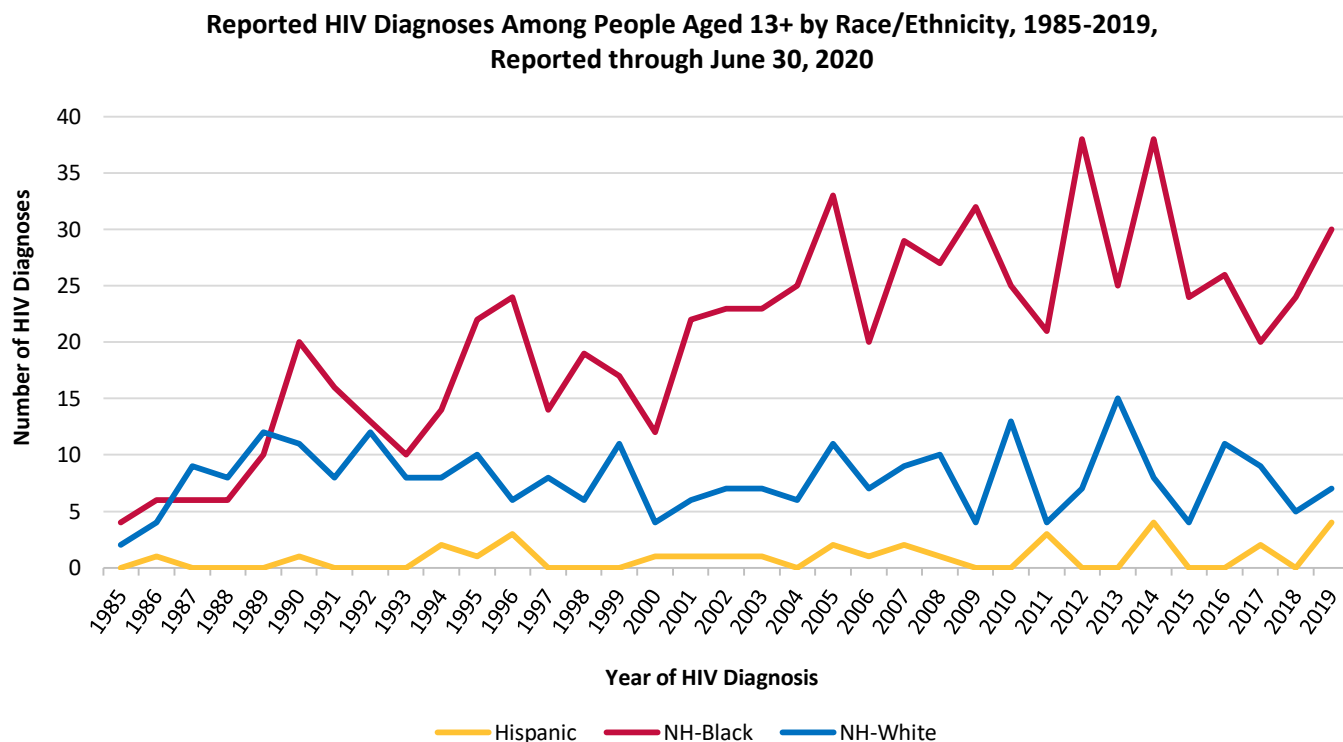
Number and Percent by Sex at Birth of People Diagnosed with HIV, Age 13+ at HIV Diagnosis, by Year of HIV Diagnosis from 1985 through 2019, as Reported through June 30, 2020



Reported HIV Diagnoses Among People Aged 13+					
Year of HIV Diagnosis	Number	Sex at Birth			
		Male		Female	
		Number	Percent	Number	Percent
<1985	2	2	100.0%	0	0.0%
1985	6	5	83.3%	1	16.7%
1986	11	8	72.7%	3	27.3%
1987	15	12	80.0%	3	20.0%
1988	14	12	85.7%	2	14.3%
1989	22	15	68.2%	7	31.8%
1990	32	22	68.8%	10	31.3%
1991	24	20	83.3%	4	16.7%
1992	25	16	64.0%	9	36.0%
1993	19	10	52.6%	9	47.4%
1994	24	15	62.5%	9	37.5%
1995	34	18	52.9%	16	47.1%
1996	33	19	57.6%	14	42.4%
1997	24	14	58.3%	10	41.7%
1998	25	17	68.0%	8	32.0%
1999	30	21	70.0%	9	30.0%
2000	21	9	42.9%	12	57.1%
2001	30	19	63.3%	11	36.7%
2002	32	23	71.9%	9	28.1%
2003	33	20	60.6%	13	39.4%
2004	33	20	60.6%	13	39.4%
2005	47	29	61.7%	18	38.3%
2006	29	20	69.0%	9	31.0%
2007	46	32	69.6%	14	30.4%
2008	39	29	74.4%	10	25.6%
2009	39	26	66.7%	13	33.3%
2010	39	28	71.8%	11	28.2%
2011	29	21	72.4%	8	27.6%
2012	48	35	72.9%	13	27.1%
2013	40	29	72.5%	11	27.5%
2014	51	34	66.7%	17	33.3%
2015	31	23	74.2%	8	25.8%
2016	38	27	71.1%	11	28.9%
2017	32	26	81.3%	6	18.8%
2018	31	26	83.9%	5	16.1%
2019	43	36	83.7%	7	16.3%
Total	1,071	738	68.9%	333	31.1%

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



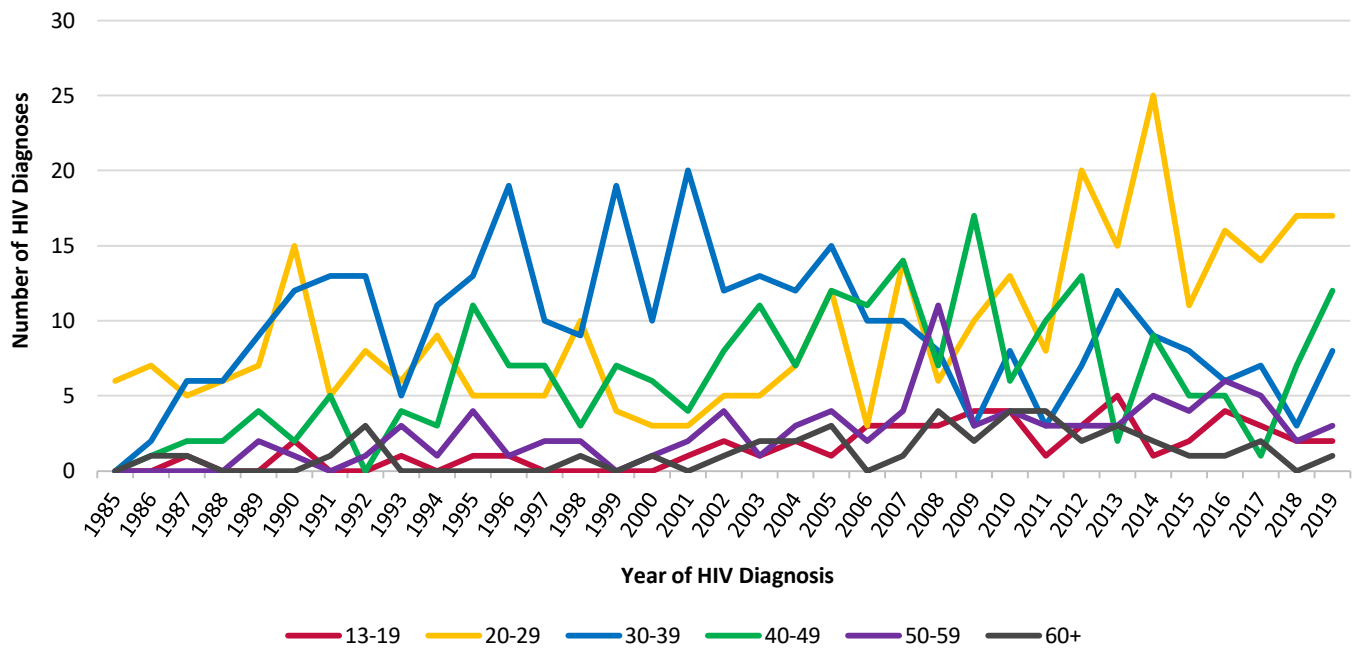
Non-Hispanic Other race not shown

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	2	0	0.0%	1	50.0%	1	50.0%	0	0.0%
1985	6	0	0.0%	4	66.7%	2	33.3%	0	0.0%
1986	11	1	9.1%	6	54.5%	4	36.4%	0	0.0%
1987	15	0	0.0%	6	40.0%	9	60.0%	0	0.0%
1988	14	0	0.0%	6	42.9%	8	57.1%	0	0.0%
1989	22	0	0.0%	10	45.5%	12	54.5%	0	0.0%
1990	32	1	3.1%	20	62.5%	11	34.4%	0	0.0%
1991	24	0	0.0%	16	66.7%	8	33.3%	0	0.0%
1992	25	0	0.0%	13	52.0%	12	48.0%	0	0.0%
1993	19	0	0.0%	10	52.6%	8	42.1%	1	5.3%
1994	24	2	8.3%	14	58.3%	8	33.3%	0	0.0%
1995	34	1	2.9%	22	64.7%	10	29.4%	1	2.9%
1996	33	3	9.1%	24	72.7%	6	18.2%	0	0.0%
1997	24	0	0.0%	14	58.3%	8	33.3%	2	8.3%
1998	25	0	0.0%	19	76.0%	6	24.0%	0	0.0%
1999	30	0	0.0%	17	56.7%	11	36.7%	2	6.7%
2000	21	1	4.8%	12	57.1%	4	19.0%	4	19.0%
2001	30	1	3.3%	22	73.3%	6	20.0%	1	3.3%
2002	32	1	3.1%	23	71.9%	7	21.9%	1	3.1%
2003	33	1	3.0%	23	69.7%	7	21.2%	2	6.1%
2004	33	0	0.0%	25	75.8%	6	18.2%	2	6.1%
2005	47	2	4.3%	33	70.2%	11	23.4%	1	2.1%
2006	29	1	3.4%	20	69.0%	7	24.1%	1	3.4%
2007	46	2	4.3%	29	63.0%	9	19.6%	6	13.0%
2008	39	1	2.6%	27	69.2%	10	25.6%	1	2.6%
2009	39	0	0.0%	32	82.1%	4	10.3%	3	7.7%
2010	39	0	0.0%	25	64.1%	13	33.3%	1	2.6%
2011	29	3	10.3%	21	72.4%	4	13.8%	1	3.4%
2012	48	0	0.0%	38	79.2%	7	14.6%	3	6.3%
2013	40	0	0.0%	25	62.5%	15	37.5%	0	0.0%
2014	51	4	7.8%	38	74.5%	8	15.7%	1	2.0%
2015	31	0	0.0%	24	77.4%	4	12.9%	3	9.7%
2016	38	0	0.0%	26	68.4%	11	28.9%	1	2.6%
2017	32	2	6.3%	20	62.5%	9	28.1%	1	3.1%
2018	31	0	0.0%	24	77.4%	5	16.1%	2	6.5%
2019	43	4	9.3%	30	69.8%	7	16.3%	2	4.7%
Total	1,071	31	2.9%	719	67.1%	278	26.0%	43	4.0%

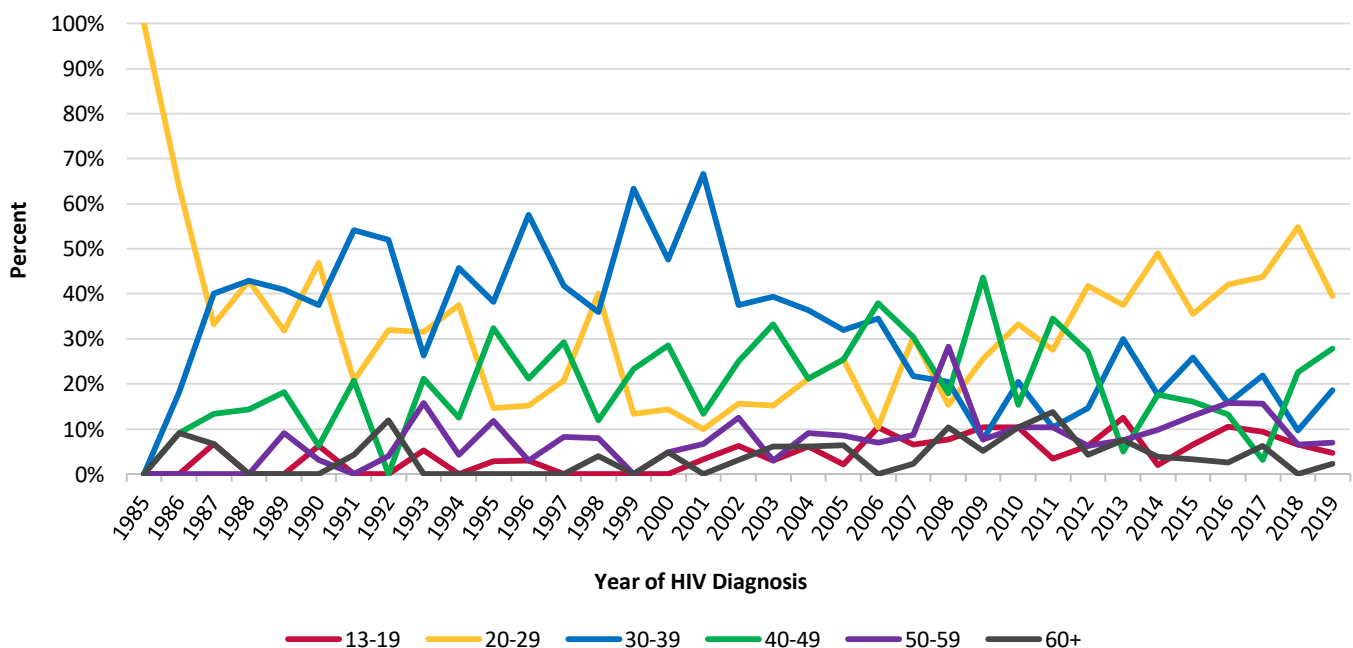
Figure 6 – Trends in Reported HIV Diagnoses, Among Residents at Diagnosis Aged 13+, 1985-2019, Reported through June 30, 2020

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+ by Age at Diagnosis, 1985-2019, Reported through June 30, 2020



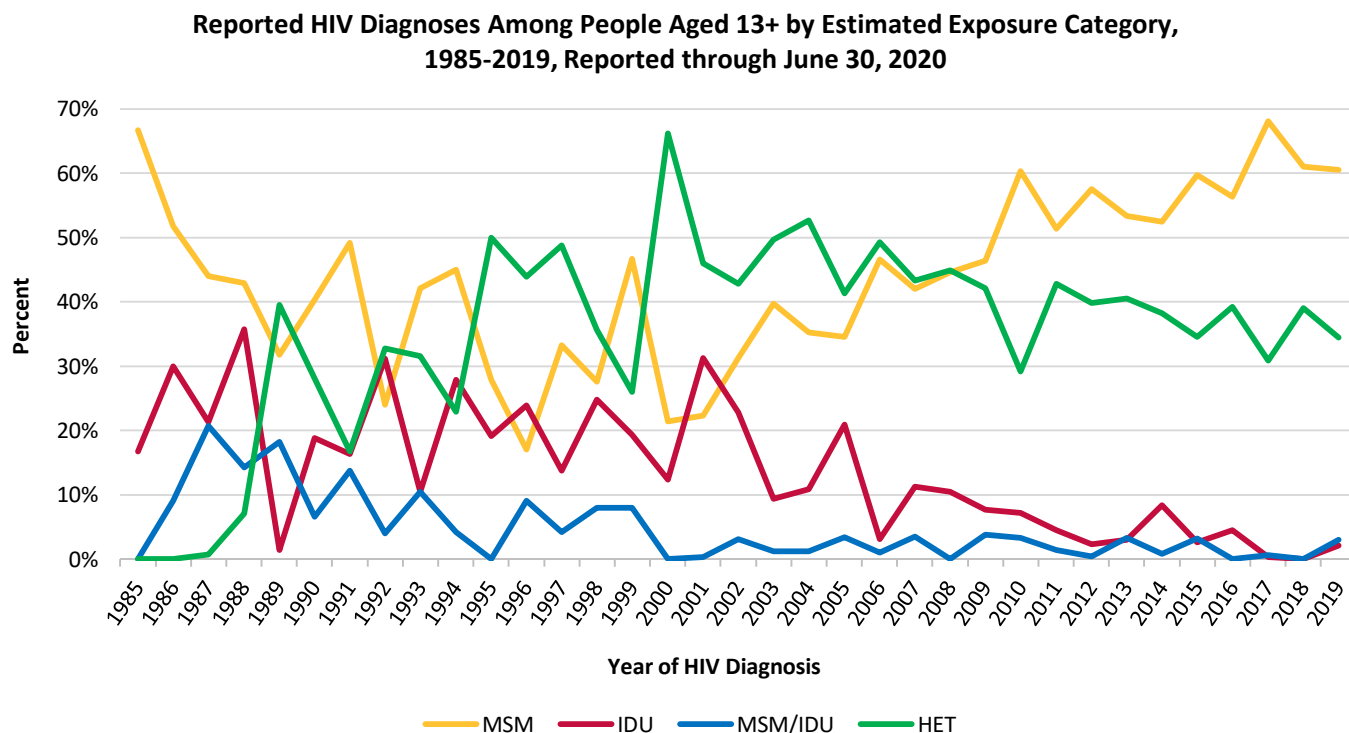
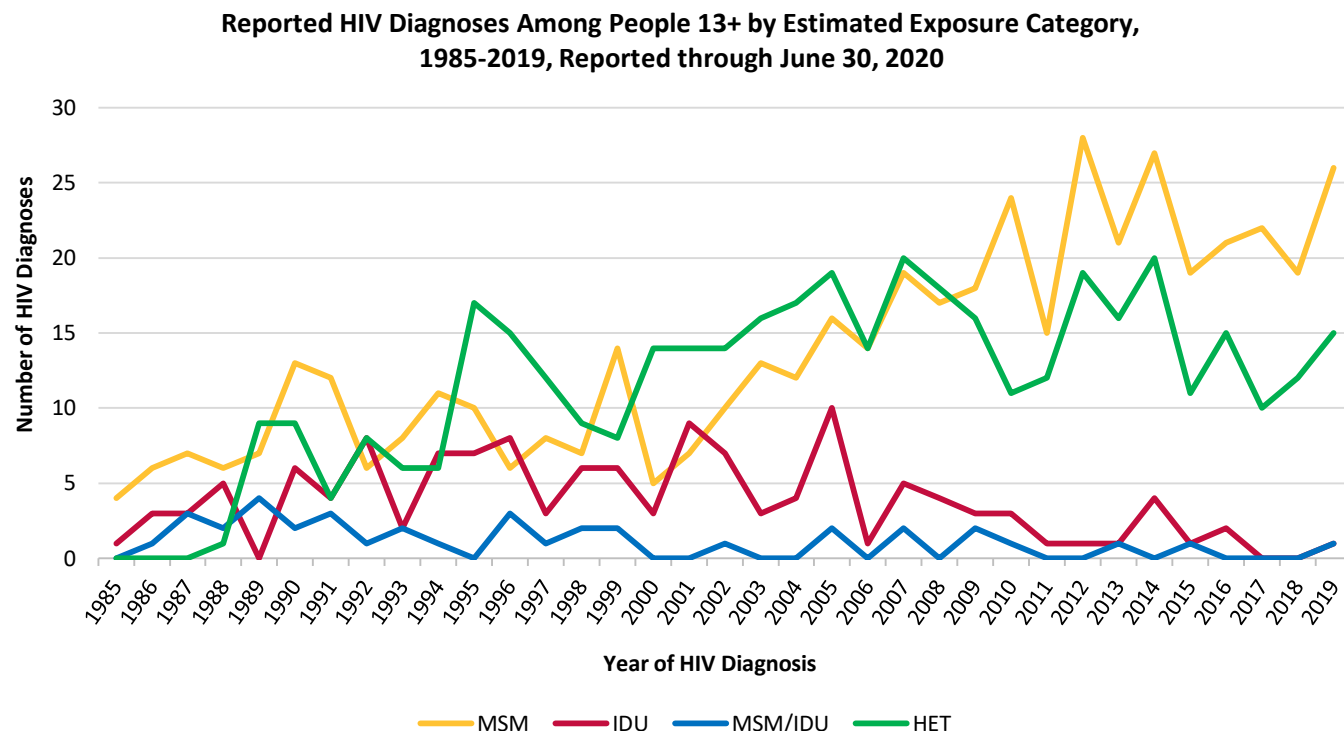
Reported HIV Diagnoses Among People Aged 13+ by Age at Diagnosis, 1985-2019, Reported through June 30, 2020



Year of HIV Diagnosis	No.	Reported HIV Diagnoses Among People Aged 13+											
		Age at HIV Diagnosis											
		13-19		20-29		30-39		40-49		50-59		60+	
		No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
<1985	2	1	50.0%	0	0.0%	0	0.0%	1	50.0%	0	0.0%	0	0.0%
1985	6	0	0.0%	6	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
1986	11	0	0.0%	7	63.6%	2	18.2%	1	9.1%	0	0.0%	1	9.1%
1987	15	1	6.7%	5	33.3%	6	40.0%	2	13.3%	0	0.0%	1	6.7%
1988	14	0	0.0%	6	42.9%	6	42.9%	2	14.3%	0	0.0%	0	0.0%
1989	22	0	0.0%	7	31.8%	9	40.9%	4	18.2%	2	9.1%	0	0.0%
1990	32	2	6.3%	15	46.9%	12	37.5%	2	6.3%	1	3.1%	0	0.0%
1991	24	0	0.0%	5	20.8%	13	54.2%	5	20.8%	0	0.0%	1	4.2%
1992	25	0	0.0%	8	32.0%	13	52.0%	0	0.0%	1	4.0%	3	12.0%
1993	19	1	5.3%	6	31.6%	5	26.3%	4	21.1%	3	15.8%	0	0.0%
1994	24	0	0.0%	9	37.5%	11	45.8%	3	12.5%	1	4.2%	0	0.0%
1995	34	1	2.9%	5	14.7%	13	38.2%	11	32.4%	4	11.8%	0	0.0%
1996	33	1	3.0%	5	15.2%	19	57.6%	7	21.2%	1	3.0%	0	0.0%
1997	24	0	0.0%	5	20.8%	10	41.7%	7	29.2%	2	8.3%	0	0.0%
1998	25	0	0.0%	10	40.0%	9	36.0%	3	12.0%	2	8.0%	1	4.0%
1999	30	0	0.0%	4	13.3%	19	63.3%	7	23.3%	0	0.0%	0	0.0%
2000	21	0	0.0%	3	14.3%	10	47.6%	6	28.6%	1	4.8%	1	4.8%
2001	30	1	3.3%	3	10.0%	20	66.7%	4	13.3%	2	6.7%	0	0.0%
2002	32	2	6.3%	5	15.6%	12	37.5%	8	25.0%	4	12.5%	1	3.1%
2003	33	1	3.0%	5	15.2%	13	39.4%	11	33.3%	1	3.0%	2	6.1%
2004	33	2	6.1%	7	21.2%	12	36.4%	7	21.2%	3	9.1%	2	6.1%
2005	47	1	2.1%	12	25.5%	15	31.9%	12	25.5%	4	8.5%	3	6.4%
2006	29	3	10.3%	3	10.3%	10	34.5%	11	37.9%	2	6.9%	0	0.0%
2007	46	3	6.5%	14	30.4%	10	21.7%	14	30.4%	4	8.7%	1	2.2%
2008	39	3	7.7%	6	15.4%	8	20.5%	7	17.9%	11	28.2%	4	10.3%
2009	39	4	10.3%	10	25.6%	3	7.7%	17	43.6%	3	7.7%	2	5.1%
2010	39	4	10.3%	13	33.3%	8	20.5%	6	15.4%	4	10.3%	4	10.3%
2011	29	1	3.4%	8	27.6%	3	10.3%	10	34.5%	3	10.3%	4	13.8%
2012	48	3	6.3%	20	41.7%	7	14.6%	13	27.1%	3	6.3%	2	4.2%
2013	40	5	12.5%	15	37.5%	12	30.0%	2	5.0%	3	7.5%	3	7.5%
2014	51	1	2.0%	25	49.0%	9	17.6%	9	17.6%	5	9.8%	2	3.9%
2015	31	2	6.5%	11	35.5%	8	25.8%	5	16.1%	4	12.9%	1	3.2%
2016	38	4	10.5%	16	42.1%	6	15.8%	5	13.2%	6	15.8%	1	2.6%
2017	32	3	9.4%	14	43.8%	7	21.9%	1	3.1%	5	15.6%	2	6.3%
2018	31	2	6.5%	17	54.8%	3	9.7%	7	22.6%	2	6.5%	0	0.0%
2019	43	2	4.7%	17	39.5%	8	18.6%	12	27.9%	3	7.0%	1	2.3%
Total	1,071	54	5.0%	327	30.5%	331	30.9%	226	21.1%	90	8.4%	43	4.0%

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[§] 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 [§]	Estimated Exposure Category [§]									
			MSM		IDU		MSM/IDU		HET		Other Exposure	
			No.	%	No.	%	No.	%	No.	%	No.	%
<1985	2	0.0%	2	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
1985	6	16.7%	4	66.7%	1	16.7%	0	0.0%	0	0.0%	1	16.7%
1986	11	9.1%	6	51.8%	3	30.0%	1	9.1%	0	0.0%	1	9.1%
1987	15	13.3%	7	44.0%	3	21.3%	3	20.7%	0	0.7%	2	13.3%
1988	14	0.0%	6	42.9%	5	35.7%	2	14.3%	1	7.1%	0	0.0%
1989	22	4.5%	7	31.8%	0	1.4%	4	18.2%	9	39.5%	2	9.1%
1990	32	3.1%	13	40.3%	6	18.8%	2	6.6%	9	28.1%	2	6.3%
1991	24	8.3%	12	49.2%	4	16.3%	3	13.8%	4	16.7%	1	4.2%
1992	25	4.0%	6	24.0%	8	31.2%	1	4.0%	8	32.8%	2	8.0%
1993	19	0.0%	8	42.1%	2	10.5%	2	10.5%	6	31.6%	1	5.3%
1994	24	8.3%	11	45.0%	7	27.9%	1	4.2%	6	22.9%	0	0.0%
1995	34	8.8%	10	27.9%	7	19.1%	0	0.0%	17	50.0%	1	2.9%
1996	33	18.2%	6	17.0%	8	23.9%	3	9.1%	15	43.9%	2	6.1%
1997	24	4.2%	8	33.3%	3	13.8%	1	4.2%	12	48.8%	0	0.0%
1998	25	24.0%	7	27.6%	6	24.8%	2	8.0%	9	35.6%	1	4.0%
1999	30	16.7%	14	46.7%	6	19.3%	2	8.0%	8	26.0%	0	0.0%
2000	21	19.0%	5	21.4%	3	12.4%	0	0.0%	14	66.2%	0	0.0%
2001	30	20.0%	7	22.3%	9	31.3%	0	0.3%	14	46.0%	0	0.0%
2002	32	12.5%	10	31.3%	7	22.8%	1	3.1%	14	42.8%	0	0.0%
2003	33	21.2%	13	39.7%	3	9.4%	0	1.2%	16	49.7%	0	0.0%
2004	33	30.3%	12	35.2%	4	10.9%	0	1.2%	17	52.7%	0	0.0%
2005	47	23.4%	16	34.5%	10	20.9%	2	3.4%	19	41.3%	0	0.0%
2006	29	20.7%	14	46.6%	1	3.1%	0	1.0%	14	49.3%	0	0.0%
2007	46	37.0%	19	42.0%	5	11.3%	2	3.5%	20	43.3%	0	0.0%
2008	39	30.8%	17	44.6%	4	10.5%	0	0.0%	18	44.9%	0	0.0%
2009	39	61.5%	18	46.4%	3	7.7%	2	3.8%	16	42.1%	0	0.0%
2010	39	53.8%	24	60.3%	3	7.2%	1	3.3%	11	29.2%	0	0.0%
2011	29	44.8%	15	51.4%	1	4.5%	0	1.4%	12	42.8%	0	0.0%
2012	48	22.9%	28	57.5%	1	2.3%	0	0.4%	19	39.8%	0	0.0%
2013	40	25.0%	21	53.3%	1	3.0%	1	3.3%	16	40.5%	0	0.0%
2014	51	17.6%	27	52.5%	4	8.4%	0	0.8%	20	38.2%	0	0.0%
2015	31	9.7%	19	59.7%	1	2.6%	1	3.2%	11	34.5%	0	0.0%
2016	38	10.5%	21	56.3%	2	4.5%	0	0.0%	15	39.2%	0	0.0%
2017	32	9.4%	22	68.1%	0	0.3%	0	0.6%	10	30.9%	0	0.0%
2018	31	3.2%	19	61.0%	0	0.0%	0	0.0%	12	39.0%	0	0.0%
2019	43	23.3%	26	60.5%	1	2.1%	1	3.0%	15	34.4%	0	0.0%
Total	1,071	20.4%	480	44.8%	132	12.3%	38	3.5%	407	38.0%	16	1.5%

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

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

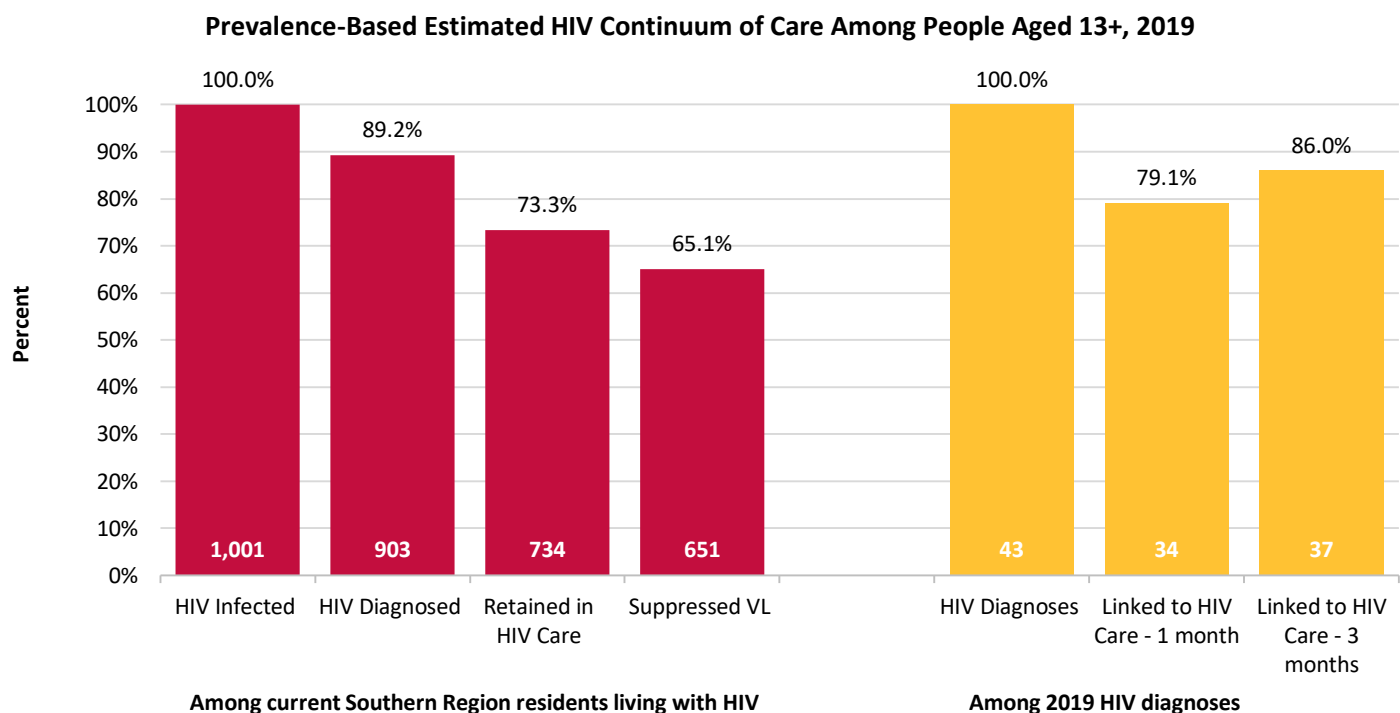
Note. Discrepancies in the table between total HIV diagnoses and the sums by exposure category are due to less than 1 percent of people missing transmission category after multiple imputation.

Section III – Continuum of Care Cascades

In their 2011 article in *Clinical Infectious Diseases*, Gardner et al.¹ 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 Southern Region Residents Aged 13+, Reported through June 30, 2020

The prevalence-based Southern 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 Southern Region. Maryland surveillance data is then used to describe the number and percentage of persons living with HIV in the Southern 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.

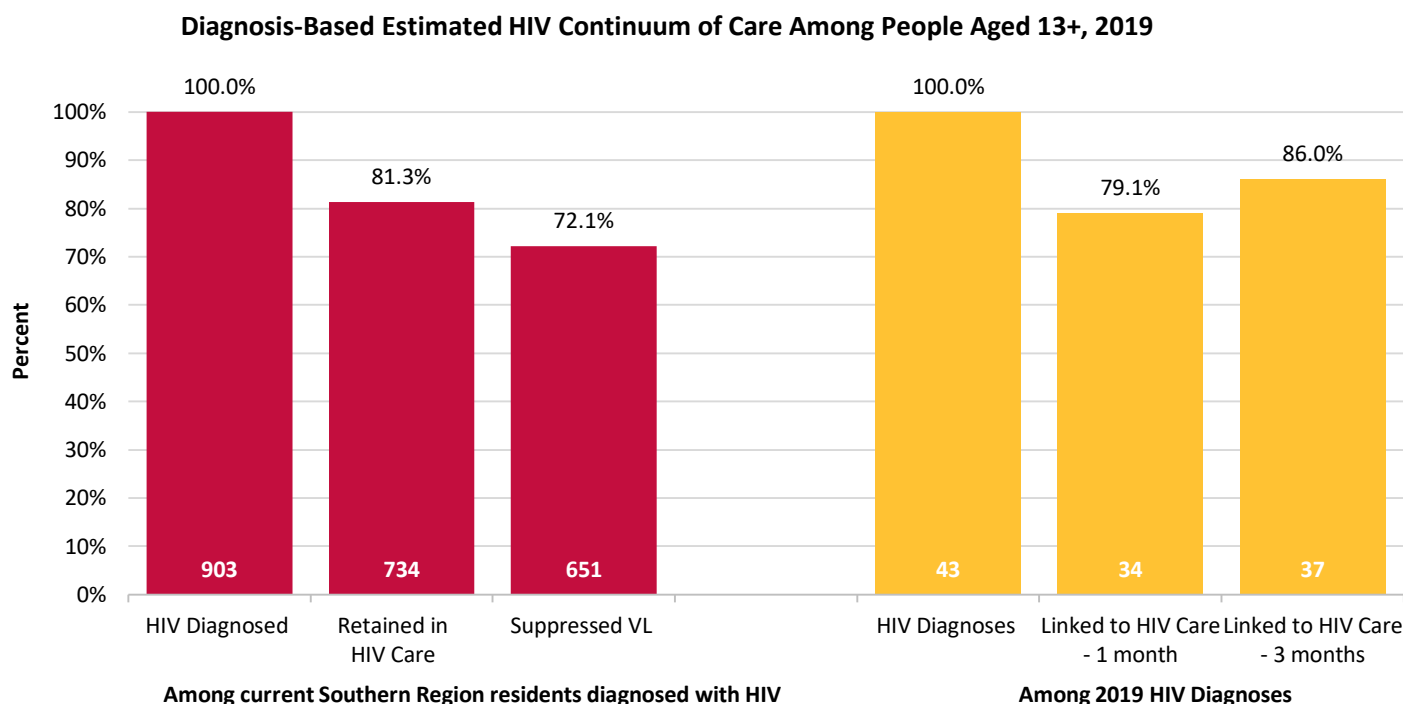


Continuum of Care Stage	People Aged 13+ Living with HIV		Continuum of Care Stage	Reported 2019 HIV Diagnoses	
	Number	Percent		Number	Percent
HIV Infected	1001	100.0%	New HIV Diagnoses	43	100.0%
HIV Diagnosed	903	89.2%	Linked to HIV Care – 1 Month	34	79.1%
Retained in HIV Care	734	73.3%	Linked to HIV Care – 3 Months	37	86.0%
Suppressed VL	651	65.1%			

¹ 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 Southern Region Residents Aged 13+, Reported through June 30, 2020

The diagnosis-based Southern Region Engagement in HIV Care Cascade (below) uses Maryland surveillance data for current Southern Region residents to describe the number and percentage of persons living with diagnosed HIV in the Southern 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	903	100.0%	New HIV Diagnoses	43	100.0%
Retained in HIV Care	734	81.3%	Linked to HIV Care – 1 Month	34	79.1%
Suppressed VL	651	72.1%	Linked to HIV Care – 3 Months	37	86.0%

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
Calvert	77,905	3	7.0%	3.9	3	21.4%	3.9
Charles	136,026	35	81.4%	25.7	11	78.6%	8.1
Saint Mary's	94,126	5	11.6%	5.3	0	0.0%	0.0
Total	308,057	43	100.0%	14.0	14	100.0%	6.5

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	Reported HIV Diagnoses Among People Aged 13+					
	No.	Linked to Care		% Late HIV Diagnoses	First CD4 Test Result	
		% 1 month	% 3 months		% with Test	Median Count
Calvert	3	***	***	***	***	***
Charles	35	80.0%	88.60%	20.0%	94.3%	334
Saint Mary's	5	***	***	***	***	***
Total	43	79.1%	86.0%	16.3%	93.0%	350

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

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				% Change
		No.	% of Total	Rate	Ratio (1 in X)	No.	% of Total	Rate	Ratio (1 in X)	
Calvert	77,905	114	15.2%	146.3	683	127	14.1%	163.0	613	11.4%
Charles	136,026	494	66.0%	363.2	275	616	68.2%	452.9	221	24.7%
Saint Mary's	94,126	141	18.8%	149.8	668	160	17.7%	170.0	588	13.5%
Total	308,057	749	100.0%	243.1	411	903	100.0%	293.1	341	20.6%

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	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+
Calvert	127	100	78.7%	686	8.0%	7.0%	17.0%	68.0%
Charles	616	487	79.1%	640	7.0%	12.5%	14.2%	66.3%
Saint Mary’s	160	123	76.9%	591	4.9%	21.1%	15.4%	58.5%
Total	903	710	78.6%	636	6.8%	13.2%	14.8%	65.2%

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	
Calvert	127	101	79.5%	93.1%	5,560
Charles	616	494	80.2%	90.1%	6,820
Saint Mary's	160	127	79.4%	88.2%	11,900
Total	903	722	80.0%	90.2%	6,520

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)	21,683	0	0.0%	0.0	--	--	--	--	--
5-12 (Pediatric)	39,552	0	0.0%	0.0	--	--	--	--	--
13-19	35,252	2	4.7%	5.7	***	***	***	***	***
20-29	46,794	17	39.5%	36.3	82.4%	88.2%	0.0%	100.0%	389
30-39	48,511	8	18.6%	16.5	62.5%	75.0%	***	75.0%	417
40-49	47,183	12	27.9%	25.4	83.3%	83.3%	***	91.7%	342
50-59	56,956	3	7.0%	5.3	***	***	***	***	***
60+	73,361	1	2.3%	1.4	***	***	***	***	***
Total	369,292	43	100.0%	11.6	79.1%	86.0%	16.3%	93.0%	350

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

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)	21,683	1	0.1%	4.6	21,683
5-12 (Pediatric)	39,552	3	0.3%	7.6	13,184
13-19	35,252	5	0.6%	14.2	7,050
20-29	46,794	109	12.0%	232.9	429
30-39	48,511	190	20.9%	391.7	255
40-49	47,183	187	20.6%	396.3	252
50-59	56,956	271	29.9%	475.8	210
60+	73,361	141	15.5%	192.2	520
Total	369,292	907	100.0%	245.6	407

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	5	***	***	***	***	***	***	***
20-29	109	***	***	***	***	***	***	***
30-39	190	140	73.7%	709	4.3%	11.4%	15.7%	68.6%
40-49	187	146	78.1%	608	7.5%	17.1%	11.6%	63.7%
50-59	271	219	80.8%	695	8.2%	10.5%	12.3%	68.9%
60+	141	119	84.4%	569	8.4%	15.1%	18.5%	58.0%
Total	903	710	78.6%	636	6.8%	13.2%	14.8%	65.2%

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

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	5	***	***	***	***
20-29	109	***	***	***	***
30-39	190	139	78.9%	87.2%	3,890
40-49	187	149	73.2%	84.9%	18,250
50-59	271	222	79.7%	90.6%	5,680
60+	141	122	81.9%	91.4%	5,650
Total	903	722	86.5%	95.9%	6,520

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

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	150,010	36	83.7%	24.0	80.6%	86.1%	***	91.7%	357
Female	158,047	7	16.3%	4.4	71.4%	85.7%	***	100.0%	307
Gender									
Male	150,010	36	83.7%	24.0	80.6%	86.1%	***	91.7%	357
Female	158,047	7	16.3%	4.4	71.4%	85.7%	***	100.0%	307
Transfeminine	--	0	0.0%	0.0	--	--	--	--	--
Transmasculine	--	0	0.0%	0.0	--	--	--	--	--
Another Gender Identity	--	0	0.0%	0.0	--	--	--	--	--
Race/Ethnicity									
Hispanic	15,331	4	9.3%	26.1	***	***	***	***	***
Non-Hispanic	292,726	39	90.7%	13.3	79.5%	87.2%	17.9%	94.9%	342
American Indian/Alaska Native, only	1,459	0	0.0%	0.0	--	--	--	--	--
Asian, only	8,880	2	4.7%	22.5	***	***	***	***	***
Black, only	90,137	30	69.8%	33.3	80.0%	86.7%	***	93.3%	355
Native Hawaiian/Other Pacific Islander, only	287	0	0.0%	0.0	--	--	--	--	--
White, only	184,121	7	16.3%	3.8	71.4%	85.7%	***	100.0%	357
Multiracial/Other	7,841	0	0.0%	0.0	--	--	--	--	--
Total	308,057	43	100.0%	14.0	79.1%	86.0%	16.3%	93.0%	350
Country of Birth									
United States	281,566	38	88.4%	13.5	81.6%	86.8%	15.8%	92.1%	357
Foreign-Born	16,686	3	7.0%	18.0	***	***	***	***	***
Africa	--	2	4.7%	--	***	***	***	***	***
Asia	--	1	2.3%	--	***	***	***	***	***
Caribbean	--	0	0.0%	--	--	--	--	--	--
Central America	--	0	0.0%	--	--	--	--	--	--
Other	--	0	0.0%	--	--	--	--	--	--
Unknown	--	2	4.7%	--	***	***	***	***	***
Total	298,252	43	100.0%	14.4	79.1%	86.0%	16.3%	93.0%	350

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
Hispanic	7,815	4	11.1%	51.2	7,516	0	0.0%	0.0
Non-Hispanic	142,195	32	88.9%	22.5	150,530	7	100.0%	22.5
American Indian/Alaska Native, only	709	0	0.0%	0.0	751	0	0.0%	0.0
Asian, only	3,798	1	2.8%	26.3	5,082	1	14.3%	19.7
Black, only	42,309	24	66.7%	56.7	47,828	6	85.7%	12.5
Native Hawaiian/Other Pacific Islander, only	150	0	0.0%	0.0	137	0	0.0%	0.0
White, only	91,503	7	19.4%	7.7	92,619	0	0.0%	0.0
Multiracial/Other	3,727	0	0.0%	0.0	4,114	0	0.0%	0.0
Total	150,010	36	100.0%	24.0	158,047	7	100.0%	24.0

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	150,010	608	67.3%	405.3	247
Female	158,047	295	32.7%	186.7	536
Gender					
Male	150,010	600	66.4%	400.0	250
Female	158,047	295	32.7%	186.7	536
Transfeminine	--	8	0.9%	--	--
Transmasculine	--	0	0.0%	--	--
Another Gender Identity	--	0	0.0%	--	--
Race/Ethnicity					
Hispanic	15,331	38	4.2%	247.9	403
Non-Hispanic	292,726	865	95.8%	295.5	338
American Indian/Alaska Native, only	1,459	0	0.0%	0.0	--
Asian, only	8,880	6	0.7%	67.6	1,480
Black, only	90,137	647	71.7%	717.8	139
Native Hawaiian/Other Pacific Islander, only	287	0	0.0%	0.0	--
White, only	184,121	175	19.4%	95.0	1,052
Multiracial/Other	7,841	37	4.1%	471.9	212
Total	308,057	903	100.0%	293.1	341
Country of Birth					
United States	281,566	843	93.4%	299.4	334
Foreign-Born	16,686	35	3.9%	209.8	477
Africa	--	15	1.7%	--	--
Asia	--	6	0.7%	--	--
Caribbean	--	3	0.3%	--	--
Central America	--	7	0.8%	--	--
Other	--	4	0.4%	--	--
Unknown	--	25	2.8%	--	--
Total	298,252	903	100.0%	302.8	330

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.

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
Hispanic	7,815	27	4.4%	345.5	7,516	11	3.7%	146.3
Non-Hispanic	142,195	581	95.6%	408.6	150,530	284	96.3%	188.7
American Indian/Alaska Native, only	709	0	0.0%	0.0	751	0	0.0%	0.0
Asian, only	3,798	4	0.7%	105.3	5,082	2	0.7%	39.4
Black, only	42,309	416	68.4%	983.2	47,828	231	78.3%	483.0
Native Hawaiian/Other Pacific Islander, only	150	0	0.0%	0.0	137	0	0.0%	0.0
White, only	91,503	144	23.7%	157.4	92,619	31	10.5%	33.5
Multiracial/Other	3,727	17	2.8%	456.1	4,114	20	6.8%	486.1
Total	150,010	608	100.0%	405.3	158,047	295	100.0%	186.7

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

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	608	469	77.1%	616	6.4%	13.9%	15.8%	64.0%
Female	295	241	81.7%	686	7.5%	12.0%	12.9%	67.6%
Gender								
Male	600	463	77.2%	616	6.5%	14.0%	15.6%	63.9%
Female	295	241	81.7%	686	7.5%	12.0%	12.9%	67.6%
Transfeminine	8	6	75.0%	621	0.0%	0.0%	33.3%	66.7%
Transmasculine	0	--	--	--	--	--	--	--
Another Gender Identity	0	--	--	--	--	--	--	--
Race/Ethnicity								
Hispanic	38	30	78.9%	651	6.7%	13.3%	13.3%	66.7%
Non-Hispanic	865	680	78.6%	636	6.8%	13.2%	14.9%	65.1%
American Indian/Alaska Native, only	0	--	--	--	--	--	--	--
Asian, only	6	5	83.3%	358	20.0%	20.0%	20.0%	40.0%
Black, only	647	504	77.9%	617	7.7%	13.3%	14.9%	64.1%
Native Hawaiian/Other Pacific Islander, only	0	--	--	--	--	--	--	--
White, only	175	139	79.4%	710	3.6%	12.9%	12.9%	70.5%
Multiracial/Other	37	32	86.5%	676	3.1%	12.5%	21.9%	62.5%
Country of Birth								
United States	843	674	80.0%	632	6.5%	13.8%	14.7%	65.0%
Foreign-Born	35	25	71.4%	615	16.0%	0.0%	16.0%	68.0%
Africa	15	10	66.7%	540	10.0%	0.0%	20.0%	70.0%
Asia	6	***	***	***	***	***	***	***
Caribbean	3	***	***	***	***	***	***	***
Central America	7	6	85.7%	798	16.7%	0.0%	0.0%	83.3%
Other	4	***	***	***	***	***	***	***
Unknown	25	11	44.0%	746	0.0%	9.1%	18.2%	72.7%
Total	903	710	78.6%	636	6.8%	13.2%	14.8%	65.2%

*** 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	608	476	78.3%	90.8%	6,115
Female	295	246	83.4%	89.0%	10,300
Gender					
Male	600	470	78.3%	90.6%	6,115
Female	295	246	83.4%	89.0%	10,300
Transfeminine	8	6	75.0%	100.0%	--
Transmasculine	0	--	--	--	--
Another Gender Identity	0	--	--	--	--
Race/Ethnicity					
Hispanic	38	30	78.9%	83.3%	2,470
Non-Hispanic	865	692	80.0%	90.5%	6,630
American Indian/Alaska Native, only	0	--	--	--	--
Asian, only	6	5	83.3%	40.0%	16,900
Black, only	647	512	79.1%	89.1%	6,115
Native Hawaiian/Other Pacific Islander, only	0	--	--	--	--
White, only	175	143	81.7%	97.2%	18,350
Multiracial/Other	37	32	86.5%	90.6%	11,900
Country of Birth					
United States	843	686	81.4%	90.1%	6,630
Foreign-Born	35	25	71.4%	88.0%	1,345
Africa	15	10	66.7%	90.0%	1,345
Asia	6	***	***	***	***
Caribbean	3	***	***	***	***
Central America	7	6	85.7%	83.3%	640
Other	4	***	***	***	***
Unknown	25	11	44.0%	100.0%	--
Total	903	722	80.0%	90.2%	6,520

*** 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	2,684	9,246	16,269	3,086	31,286
	Number	0	2	0	0	2
	Rate	0.0	21.6	0.0	0.0	6.4
	Ratio (1 in X)	--	4,623	--	--	15,643
13-19	Population	1,228	5,649	9,255	1,752	17,883
	Number	0	3	1	0	4
	Rate	0.0	53.1	10.8	0.0	22.4
	Ratio (1 in X)	--	1,883	9,255	--	4,471
20-29	Population	1,642	7,497	13,309	1,782	24,230
	Number	2	75	14	2	93
	Rate	121.8	1,000.4	105.2	112.2	383.8
	Ratio (1 in X)	821	100	951	891	261
30-39	Population	1,911	6,792	13,829	1,237	23,769
	Number	10	105	20	3	138
	Rate	523.3	1,545.9	144.6	242.5	580.6
	Ratio (1 in X)	191	65	691	412	172
40-49	Population	1,501	7,014	12,701	1,238	22,454
	Number	5	71	33	7	116
	Rate	333.1	1,012.3	259.8	565.4	516.6
	Ratio (1 in X)	300	99	385	177	194
50-59	Population	881	8,084	17,741	1,095	27,801
	Number	***	107	44	***	166
	Rate	***	1,323.6	248	***	597.1
	Ratio (1 in X)	***	76	403	***	167
60+	Population	652	7,273	24,668	1,280	33,873
	Number	***	55	32	***	91
	Rate	***	756.2	129.7	***	268.7
	Ratio (1 in X)	***	132	771	***	372
Total Males by Race/Ethnicity	Population	10,499	51,555	107,772	11,470	181,296
	Number	27	418	144	21	610
	Rate	257.2	810.8	133.6	183.1	336.5
	Ratio (1 in X)	389	123	748	546	297

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

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	2,606	8,805	15,521	3,018
	Number	0	2	0	0
	Rate	0.0	22.7	0.0	0.0
	Ratio (1 in X)	--	4,402	--	--
13-19	Population	1,204	5,552	8,984	1,628
	Number	0	1	0	0
	Rate	0.0	18.0	0.0	0.0
	Ratio (1 in X)	--	5,552	--	--
20-29	Population	1,447	7,339	12,099	1,679
	Number	2	10	2	2
	Rate	138.2	136.3	16.5	119.1
	Ratio (1 in X)	724	734	6,050	840
30-39	Population	1,779	7,686	13,614	1,663
	Number	0	42	4	6
	Rate	0.0	546.4	29.4	360.8
	Ratio (1 in X)	--	183	3,404	277
40-49	Population	1,338	8,548	13,163	1,680
	Number	1	58	7	5
	Rate	74.7	678.5	53.2	297.6
	Ratio (1 in X)	1,338	147	1,880	336
50-59	Population	982	8,991	17,584	1,598
	Number	***	79	15	***
	Rate	***	878.7	85.3	***
	Ratio (1 in X)	***	114	1,172	***
60+	Population	766	9,712	27,175	1,835
	Number	***	41	3	***
	Rate	***	422.2	11.0	***
	Ratio (1 in X)	***	237	9,058	***
Total Females by Race/Ethnicity	Population	10,122	56,633	108,140	13,101
	Number	11	233	31	22
	Rate	108.7	411.4	28.7	167.9
	Ratio (1 in X)	920	243	3,488	596

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

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)	26	60.5%	85.0%	88.8%	***	96.2%	334
Injection Drug Use (IDU)	1	2.1%	***	***	***	***	***
Male-to-male Sexual Contact and Injection Drug Use (MSM/IDU)	1	3.0%	***	***	***	***	***
Heterosexual Contact (HET)	15	34.4%	73.0%	79.7%	***	86.5%	391
Perinatal Transmission	0	0.0%	--	--	--	--	--
Other Exposure	0	0.0%	--	--	--	--	--
No Estimated or Reported Exposure	0	0.0%	--	--	--	--	--
Total	43	100.0%	79.1%	86.0%	16.3%	93.0%	350
Male Estimated or Reported Exposure Category							
Male-to-male Sexual Contact (MSM)	26	72.2%	85.0%	88.8%	***	96.2%	334
Injection Drug Use (IDU)	0	0.0%	--	--	--	--	--
Male-to-male Sexual Contact and Injection Drug Use (MSM/IDU)	1	3.6%	***	***	***	***	***
Heterosexual Contact (HET)	9	23.6%	***	***	***	***	***
Perinatal Transmission	0	0.0%	--	--	--	--	--
Other Exposure	0	0.0%	--	--	--	--	--
No Estimated or Reported Exposure	0	0.0%	--	--	--	--	--
Total	36	100.0%	80.6%	86.1%	11.1%	91.7%	357
Female Estimated or Reported Exposure Category							
Injection Drug Use (IDU)	1	10.0%	***	***	***	***	***
Heterosexual Contact (HET)	6	90.0%	***	***	***	***	***
Perinatal Transmission	0	0.0%	--	--	--	--	--
Other Exposure	0	0.0%	--	--	--	--	--
No Estimated or Reported Exposure	0	0.0%	--	--	--	--	--
Total	7	100.0%	71.4%	85.7%	42.9%	100.0%	307

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)	414	45.8%
Injection Drug Use (IDU)	85	9.4%
Male-to-male Sexual Contact and Injection Drug Use (MSM/IDU)	23	2.6%
Heterosexual Contact (HET)	374	41.4%
Perinatal Transmission	5	0.6%
Other Exposure	1	0.1%
No Estimated or Reported Exposure	1	0.1%
Total	903	100.0%
Male Estimated or Reported Exposure Category		
Male-to-male Sexual Contact (MSM)	414	68.1%
Injection Drug Use (IDU)	45	7.4%
Male-to-male Sexual Contact and Injection Drug Use (MSM/IDU)	23	3.8%
Heterosexual Contact (HET)	124	20.3%
Perinatal Transmission	1	0.2%
Other Exposure	0	0.0%
No Estimated or Reported Exposure	1	0.2%
Total	608	100.0%
Female Estimated or Reported Exposure Category		
Injection Drug Use (IDU)	40	13.5%
Heterosexual Contact (HET)	250	84.8%
Perinatal Transmission	4	1.4%
Other Exposure	1	0.3%
No Estimated or Reported Exposure	0	0.0%
Total	295	100.0%

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)	13	34.5%	277	42.8%	114	64.9%
Injection Drug Use (IDU)	6	14.5%	59	9.1%	13	7.5%
Male-to-male Sexual Contact and Injection Drug Use (MSM/IDU)	2	6.3%	12	1.9%	7	4.2%
Heterosexual Contact (HET)	17	44.7%	292	45.1%	41	23.4%
Perinatal Transmission	0	0.0%	5	0.8%	0	0.0%
Other Exposure	0	0.0%	1	0.2%	0	0.0%
No Estimated or Reported Exposure	0	0.0%	1	0.2%	0	0.0%
Total	38	100.0%	647	100.0%	175	100.0%

Male Estimated or Reported Exposure Category						
Male-to-male Sexual Contact (MSM)	13	48.5%	277	66.6%	114	78.8%
Injection Drug Use (IDU)	3	10.0%	34	8.1%	5	3.8%
Male-to-male Sexual Contact and Injection Drug Use (MSM/IDU)	2	8.9%	12	3.0%	7	5.1%
Heterosexual Contact (HET)	9	32.6%	91	21.8%	18	12.3%
Perinatal Transmission	0	0.0%	1	0.2%	0	0.0%
Other Exposure	0	0.0%	0	0.0%	0	0.0%
No Estimated or Reported Exposure	0	0.0%	1	0.2%	0	0.0%
Total	27	100.0%	416	100.0%	144	100.0%

Female Estimated or Reported Exposure Category						
Injection Drug Use (IDU)	3	25.5%	25	10.7%	8	24.8%
Heterosexual Contact (HET)	8	74.5%	201	87.1%	23	75.2%
Perinatal Transmission	0	0.0%	4	1.7%	0	0.0%
Other Exposure	0	0.0%	1	0.4%	0	0.0%
No Estimated or Reported Exposure	0	0.0%	0	0.0%	0	0.0%
Total	11	100.0%	231	100.0%	31	100.00%

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)	414	312	75.5%	648	6.0%	13.4%	13.4%	67.2%
Injection Drug Use (IDU)	85	68	80.0%	529	7.2%	21.8%	18.3%	52.7%
Male-to-male Sexual Contact and Injection Drug Use (MSM/IDU)	23	20	85.0%	605	6.5%	13.6%	21.6%	58.3%
Heterosexual Contact (HET)	374	304	81.2%	675	7.3%	11.0%	15.0%	66.7%
Perinatal Transmission	5	***	***	***	***	***	***	***
Other Exposure	1	***	***	***	***	***	***	***
No Estimated or Reported Exposure	1	***	***	***	***	***	***	***
Total	903	710	78.6%	636	6.8%	13.2%	14.8%	65.2%

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.

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

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)	414	318	76.9%	90.7%	5,800
Injection Drug Use (IDU)	85	71	83.0%	85.0%	11,900
Male-to-male Sexual Contact and Injection Drug Use (MSM/IDU)	23	20	85.0%	88.9%	10,410
Heterosexual Contact (HET)	374	307	82.2%	91.0%	6,430
Perinatal Transmission	5	***	***	***	***
Other Exposure	1	***	***	***	***
No Estimated or Reported Exposure	1	***	***	***	***
Total	903	722	80.0%	90.2%	6,520

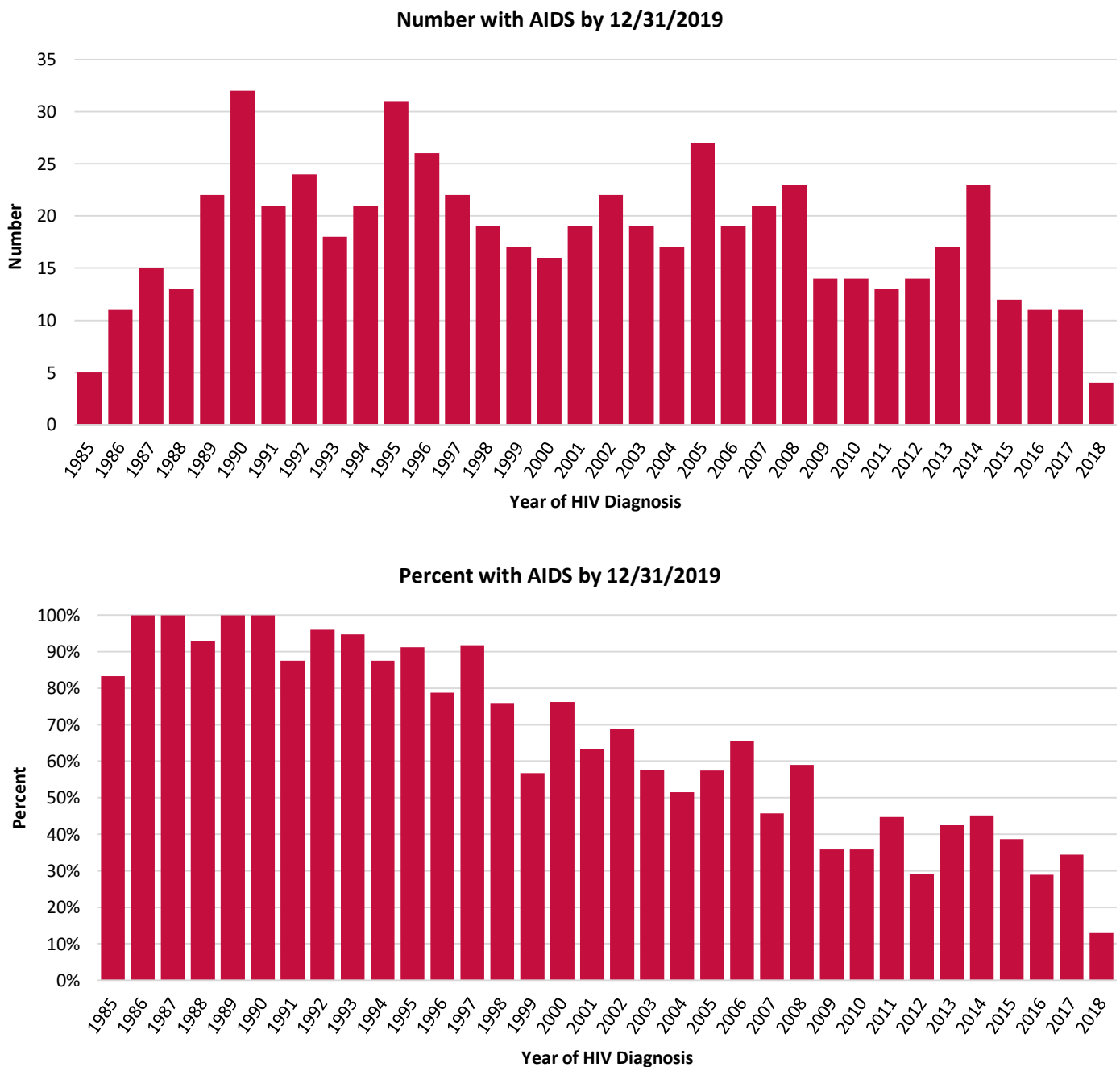
Note. Data have been statistically adjusted to account for missing transmission category, therefore, values may not sum to column total. Median unsuppressed is weighted based on statistical adjustment.

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

Section VIII – Disease Progression and Mortality

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

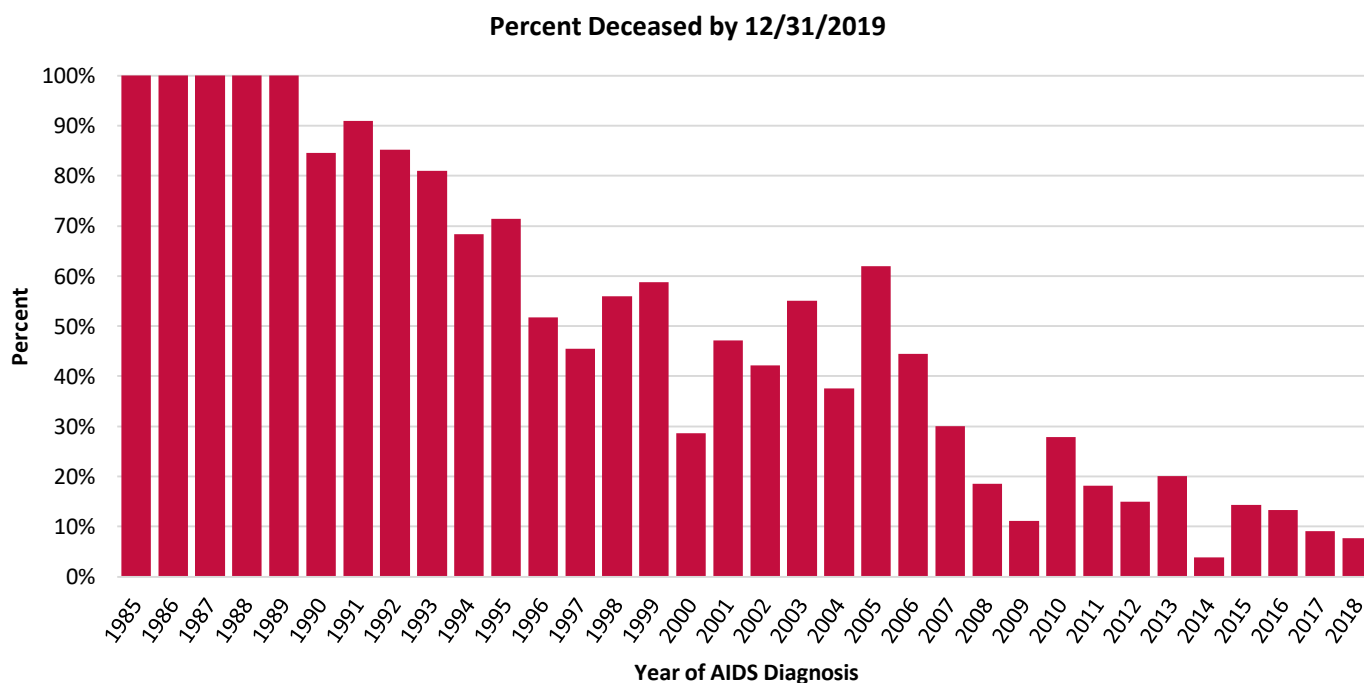
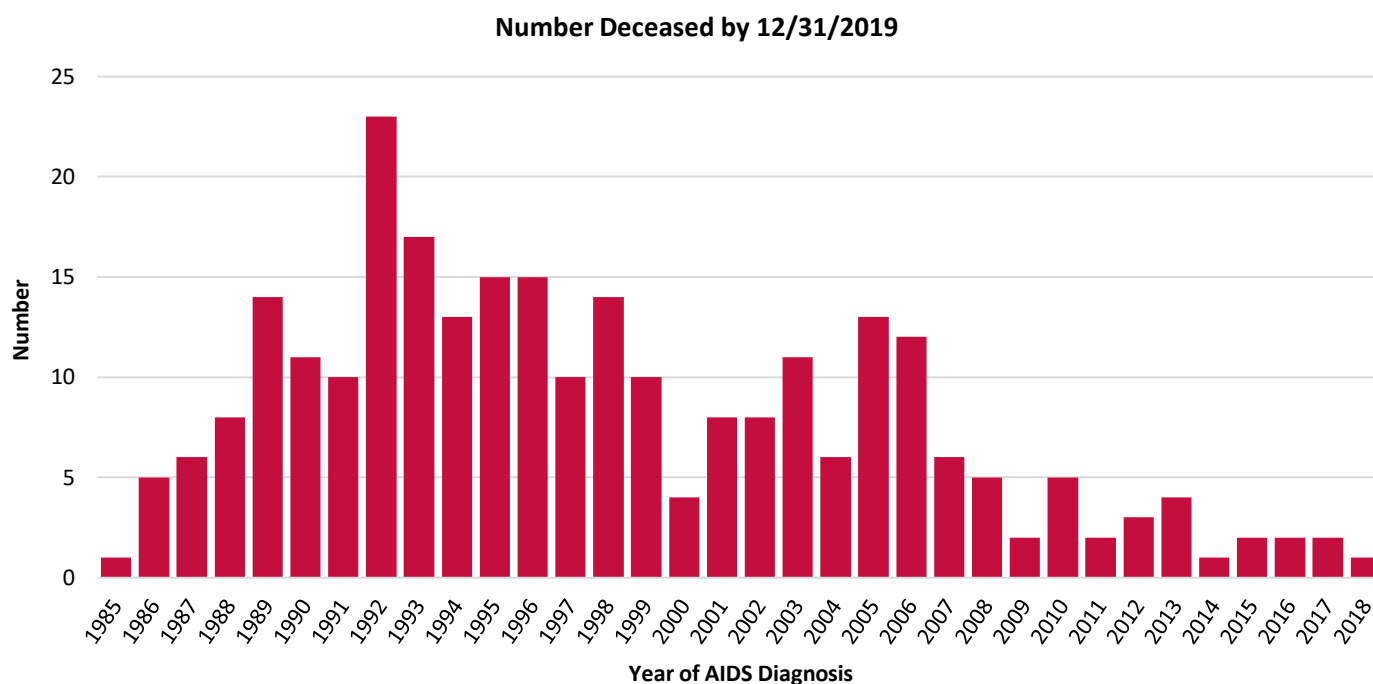
Number of People Aged 13+ with Diagnosed HIV, Age 13+ at HIV Diagnosis, (Reported HIV Diagnoses Among People Aged 13+), Number of People Aged 13+ with Diagnosed HIV with an AIDS Diagnosis by December 31, 2019 (Reported AIDS Diagnoses), Percent by Year of HIV Diagnosis of Reported HIV Diagnoses with a 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	2	2	100.0%	10.0	50.0%	50.0%	50.0%	50.0%
1985	6	5	83.3%	9.8	16.7%	16.7%	33.3%	50.0%
1986	11	11	100.0%	9.2	27.3%	27.3%	36.4%	54.5%
1987	15	15	100.0%	5.7	40.0%	40.0%	60.0%	86.7%
1988	14	13	92.9%	2.7	57.1%	57.1%	71.4%	92.9%
1989	22	22	100.0%	2.6	59.1%	59.1%	81.8%	90.9%
1990	32	32	100.0%	4.7	37.5%	46.9%	65.6%	87.5%
1991	24	21	87.5%	3.4	50.0%	54.2%	62.5%	79.2%
1992	25	24	96.0%	1.5	72.0%	72.0%	88.0%	92.0%
1993	19	18	94.7%	1.3	78.9%	84.2%	89.5%	89.5%
1994	24	21	87.5%	2.4	62.5%	70.8%	70.8%	79.2%
1995	34	31	91.2%	4.0	47.1%	50.0%	64.7%	79.4%
1996	33	26	78.8%	2.5	48.5%	57.6%	66.7%	72.7%
1997	24	22	91.7%	2.6	62.5%	66.7%	70.8%	83.3%
1998	25	19	76.0%	1.2	60.0%	68.0%	68.0%	76.0%
1999	30	17	56.7%	2.2	40.0%	43.3%	46.7%	50.0%
2000	21	16	76.2%	4.6	28.6%	33.3%	57.1%	66.7%
2001	30	19	63.3%	0.4	60.0%	60.0%	63.3%	63.3%
2002	32	22	68.8%	2.7	43.8%	46.9%	56.3%	65.6%
2003	33	19	57.6%	2.0	42.4%	42.4%	48.5%	54.5%
2004	33	17	51.5%	1.5	42.4%	45.5%	45.5%	48.5%
2005	47	27	57.4%	2.1	40.4%	42.6%	46.8%	51.1%
2006	29	19	65.5%	1.0	55.2%	55.2%	58.6%	65.5%
2007	46	21	45.7%	2.1	28.3%	30.4%	39.1%	43.5%
2008	39	23	59.0%	0.9	48.7%	51.3%	53.8%	59.0%
2009	39	14	35.9%	2.2	20.5%	23.1%	28.2%	35.9%
2010	39	14	35.9%	1.3	25.6%	28.2%	33.3%	--
2011	29	13	44.8%	2.7	24.1%	31.0%	31.0%	--
2012	48	14	29.2%	1.0	22.9%	27.1%	27.1%	--
2013	40	17	42.5%	1.6	27.5%	27.5%	40.0%	--
2014	51	23	45.1%	1.0	35.3%	35.3%	43.1%	--
2015	31	12	38.7%	1.2	25.8%	32.3%	--	--
2016	38	11	28.9%	0.8	21.1%	26.3%	--	--
2017	32	11	34.4%	0.1	34.4%	34.4%	--	--
2018	31	4	12.9%	0.2	12.9%	--	--	--
Total	1,028	615	59.8%	2.5	39.6%	42.6%	49.4%	55.8%

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



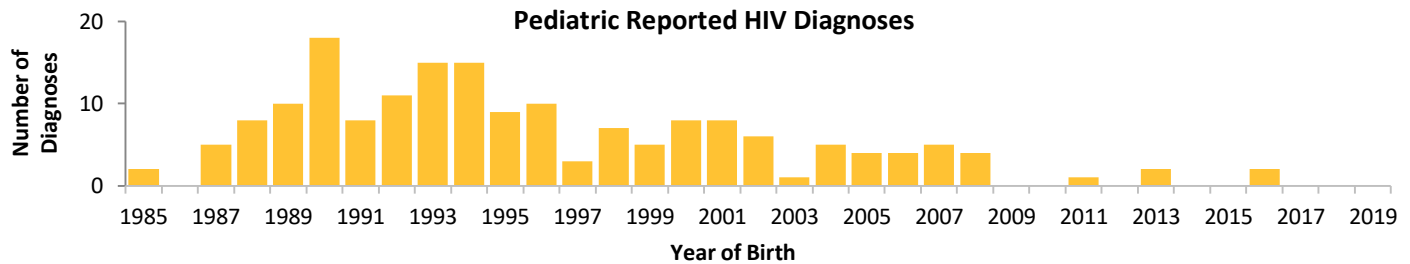
Reported AIDS Diagnoses Among People Aged 13+								
Year of AIDS Diagnosis	No.	Reported AIDS Deaths			Percent Alive by Years After AIDS Diagnosis			
		No.	% Deceased	Mean Years from AIDS to Death	1 Year	2 Years	5 Years	10 Years
<1985	1	1	100.0%	0.0	0.0%	0.0%	0.0%	0.0%
1985	1	1	100.0%	2.9	100.0%	100.0%	0.0%	0.0%
1986	5	5	100.0%	1.1	40.0%	20.0%	0.0%	0.0%
1987	6	6	100.0%	2.5	50.0%	16.7%	16.7%	16.7%
1988	8	8	100.0%	2.3	62.5%	50.0%	12.5%	0.0%
1989	14	14	100.0%	2.1	85.7%	50.0%	0.0%	0.0%
1990	13	11	84.6%	3.6	76.9%	61.5%	38.5%	23.1%
1991	11	10	90.9%	2.3	81.8%	54.5%	18.2%	9.1%
1992	27	23	85.2%	3.0	85.2%	59.3%	22.2%	22.2%
1993	21	17	81.0%	4.4	76.2%	52.4%	33.3%	28.6%
1994	19	13	68.4%	3.2	89.5%	52.6%	47.4%	42.1%
1995	21	15	71.4%	4.7	76.2%	57.1%	52.4%	42.9%
1996	29	15	51.7%	4.9	86.2%	79.3%	72.4%	58.6%
1997	22	10	45.5%	6.2	81.8%	81.8%	81.8%	63.6%
1998	25	14	56.0%	6.8	84.0%	84.0%	80.0%	60.0%
1999	17	10	58.8%	6.9	88.2%	88.2%	70.6%	58.8%
2000	14	4	28.6%	9.2	100.0%	100.0%	85.7%	85.7%
2001	17	8	47.1%	5.1	88.2%	82.4%	70.6%	64.7%
2002	19	8	42.1%	2.4	84.2%	78.9%	63.2%	57.9%
2003	20	11	55.0%	5.2	85.0%	80.0%	70.0%	65.0%
2004	16	6	37.5%	3.7	81.3%	75.0%	75.0%	68.8%
2005	21	13	61.9%	5.1	81.0%	76.2%	66.7%	42.9%
2006	27	12	44.4%	2.5	81.5%	81.5%	63.0%	55.6%
2007	20	6	30.0%	3.7	85.0%	85.0%	80.0%	75.0%
2008	27	5	18.5%	3.3	92.6%	92.6%	85.2%	81.5%
2009	18	2	11.1%	1.7	94.4%	94.4%	88.9%	88.9%
2010	18	5	27.8%	3.9	88.9%	83.3%	83.3%	--
2011	11	2	18.2%	2.1	90.9%	90.9%	81.8%	--
2012	20	3	15.0%	5.9	100.0%	100.0%	95.0%	--
2013	20	4	20.0%	1.0	85.0%	80.0%	80.0%	--
2014	26	1	3.8%	0.3	96.2%	96.2%	96.2%	--
2015	14	2	14.3%	1.8	92.9%	92.9%	--	--
2016	15	2	13.3%	1.0	93.3%	86.7%	--	--
2017	22	2	9.1%	1.7	100.0%	90.9%	--	--
2018*	13	1	7.7%	0.0	92.3%	--	--	--
Total	598	270	45.2%	3.9	86.1%	77.9%	67.2%	60.5%

*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 31st 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	1	0	0	0	--
1985	0	0	0	0	0
1986	0	0	0	0	0
1987	1	1	1	0	0
1988	2	1	1	0	0
1989	0	0	0	0	0
1990	3	2	0	0	2
1991	0	0	1	1	1
1992	2	1	0	0	2
1993	0	0	0	0	2
1994	1	3	3	0	4
1995	0	0	0	1	3
1996	1	1	1	1	4
1997	0	0	0	0	4
1998	0	0	1	0	4
1999	0	0	0	1	3
2000	1	2	0	0	5
2001	0	0	0	0	6
2002	0	0	0	0	6
2003	0	0	0	0	6
2004	0	0	0	0	6
2005	0	0	0	0	6
2006	0	0	0	0	6
2007	0	1	0	0	7
2008	0	0	0	0	7
2009	0	0	0	0	7
2010	0	0	0	1	6
2011	1	1	1	0	7
2012	0	0	0	0	7
2013	0	0	0	1	6
2014	1	1	1	0	7
2015	0	0	0	0	7
2016	0	0	0	0	7
2017	1	1	0	0	8
2018	0	0	0	0	8
2019	0	0	1	0	8
Total	15	15	11	6	--

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
Calvert	0	0.0%
Charles	4	100.0%
Saint Mary's	0	0.0%
Total	4	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
Sex at Birth		
Male	2	50.0%
Female	2	50.0%
Race/Ethnicity		
Hispanic	0	0.0%
Non-Hispanic	4	100.0%
American Indian/Alaska Native, only	0	0.0%
Asian, only	0	0.0%
Black, only	4	100.0%
Native Hawaiian/Other Pacific Islander, only	0	0.0%
White, only	0	0.0%
Multiracial/Other	0	0.0%
Total	4	0.0%

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 31st of the specified year and not reported to have died as of December 31st of the specified year.

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

Total People Living with Diagnosed HIV: Reported HIV diagnoses not reported to have died as of December 31st 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.