

2020

SUBURBAN REGION ANNUAL HIV EPIDEMIOLOGICAL PROFILE

**Data reported through
June 30, 2021**

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

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



Acknowledgements

This report is published by The Center for HIV Surveillance, Epidemiology and Evaluation (CHSEE). This report would not have been possible without the cooperation, dedication and hard work of HIV health care providers, local health departments, community groups, researchers, and members of the community.

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Suggested Citation

Suburban Region Annual HIV Epidemiological Profile 2020. Center for HIV Surveillance, Epidemiology and Evaluation, Maryland Department of Health, Baltimore, MD. 2021.

On the Web

<https://health.maryland.gov/phpa/OIDEOR/CHSE/SiteAssets/Pages/statistics/Suburban-Region-Annual-HIV-Epidemiological-Profile--2020.pdf>

Additional Information and Reporting Instructions

<https://health.maryland.gov/phpa/OIDEOR/CHSE/Pages/statistics.aspx>

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Section I – Summary of Analyses and Technical Notes

Highlights of Analyses

CHSEE in MDH 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 are provided to summarize information about the HIV epidemic in Maryland.

All rates presented below are per 100,000 population.

HIV Diagnoses

During 2020, there were 304 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 2020.

- Geographic distribution: Prince George’s County accounted for the highest number (221, 72.7%) and rate (29.0) of HIV diagnoses in the Suburban Region.
- Age: Persons aged 20-39 years accounted for the highest number (172, 56.6%) of HIV diagnoses and the highest rate (33.4).
- Sex at Birth: Males accounted for the highest number (215, 70.7%) of HIV diagnoses. The rate among males was 27.5 and 10.4 among females.
- Race/Ethnicity: Non-Hispanic Black people accounted for the highest number (223, 73.4%) and the highest rate (34.5).
- Exposure Category: Male-to-male sexual contact accounted for the highest number (161, 52.9%) of diagnoses.

People Living with Diagnosed HIV

At the end of 2020, there were 11,597 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 (7,935, 65.7%) of people living with diagnosed HIV and the highest rate (1,041.4).
- Age: Persons aged 50+ years accounted for the highest number (5,379, 46.3%) of people living with diagnosed HIV and the highest rate (773.0).
- Sex at Birth: Males accounted for the highest number (7,642, 65.9%) of people living with diagnosed HIV. The rate among males was 977.1 and 460.1 among females.
- Race/Ethnicity: Non-Hispanic Black people accounted for the highest number (8,876, 76.5%) of the people living with diagnosed HIV and the second highest rate (1,375.1).
- Exposure Category: Male-to-male sexual contact accounted for the highest number (5,245, 45.2%) of the total people living with diagnosed HIV.

Engagement in HIV Care

- HIV diagnosed: Among people living with HIV in the Suburban Region, it is estimated that 87.8 percent have been diagnosed and an estimated 1,611 people with HIV remain undiagnosed.
- Linked to care: During 2020, 88.5% percent 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, 75.2 percent were retained in care during 2020.
- Viral suppression: In 2020, 66.3 percent 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 diagnosed HIV be reported by name to MDH. 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.

Data Specifications

Surveillance is the ongoing systematic collection, analysis, interpretation, and dissemination of data. Data are collected on all people with HIV who were residents of the state of Maryland or received HIV care in Maryland. Data are presented for people who were Maryland residents at the time of their HIV diagnosis in 2020 and for people who were living with HIV and were current residents of Maryland as of December 31, 2020.

Data presented were reported to the MDH through June 30, 2021. Reported new diagnoses and estimates of people living with diagnosed HIV are as of December 31, 2020.

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. A glossary of terms is also available.

¹Centers for Disease Control and Prevention. Estimated HIV incidence and prevalence in the United States, 2015–2019. HIV Surveillance Supplemental Report 2021;26(No. 1). <http://www.cdc.gov/hiv/library/reports/hiv-surveillance.html>. Published May 2021. Accessed May 2021.

COVID-19 and HIV Surveillance Data

Data for 2020 should be interpreted with caution due to the impact of the Coronavirus Disease 2019 (COVID-19) pandemic on access to HIV testing and care-related services.

The following HIV morbidity estimates may have been affected by the COVID-19 pandemic in 2020.

- Incidence (new HIV infections or transmissions) estimates might be lower due to significant declines in the number of new HIV diagnoses.
- Declines in HIV diagnoses might not represent declines in new HIV infections, but rather decreases and/or delays in testing or changes in testing modality (e.g., self-testing).
- Caution should be used when interpreting prevalence (people living with HIV) estimates. Fewer HIV diagnoses and more deaths (resulting in lower prevalence) may be due to COVID-19 and not HIV activities.
- Declines in linkage to care, retention in care, and viral suppression estimates may be due to lack of laboratory testing during care visits (e.g., telemedicine) and/or changes in testing modality (e.g., self-testing).

Undiagnosed 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 13.3 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 10.1 percent in 2019.

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, if the percent of T-Lymphocyte cells that are CD4+ is less than 14 percent, or if a person has been diagnosed with an opportunistic infection.

Mortality

People are assumed to be alive unless reported as deceased. Caution should be exercised when interpreting mortality estimates for recent years due to delays in reporting of non-AIDS deaths and out-of-state deaths. Most deaths are reported within two years.

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 diagnoses. Statistics describing the number of people living with diagnosed HIV use current residence. Current residence numbers 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

New diagnoses of HIV and people living with diagnosed HIV who were reported to be residing in local jails or detention centers are presented, whenever possible, as residing at their home address. New diagnoses of HIV and people living with diagnosed HIV who were reported to be residing in a state or federal prison in Maryland are presented as residing in a separate “Corrections” jurisdiction.

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 reporting sources and some reporting sources 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 reporting sources collect or have complete data on nativity. In addition, some individuals may immigrate to the United States 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, gender identity, country of birth, vital status, HIV exposure category, and CD4 and HIV viral load test results are from MDH's Enhanced HIV/AIDS Reporting System (eHARS), as of June 30, 2021.

Population data by sex, age, and race/ethnicity are from the July 1, 2020 United States Census Estimates. Population data by country-of-birth are from the Census Bureau's 2019 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 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 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.

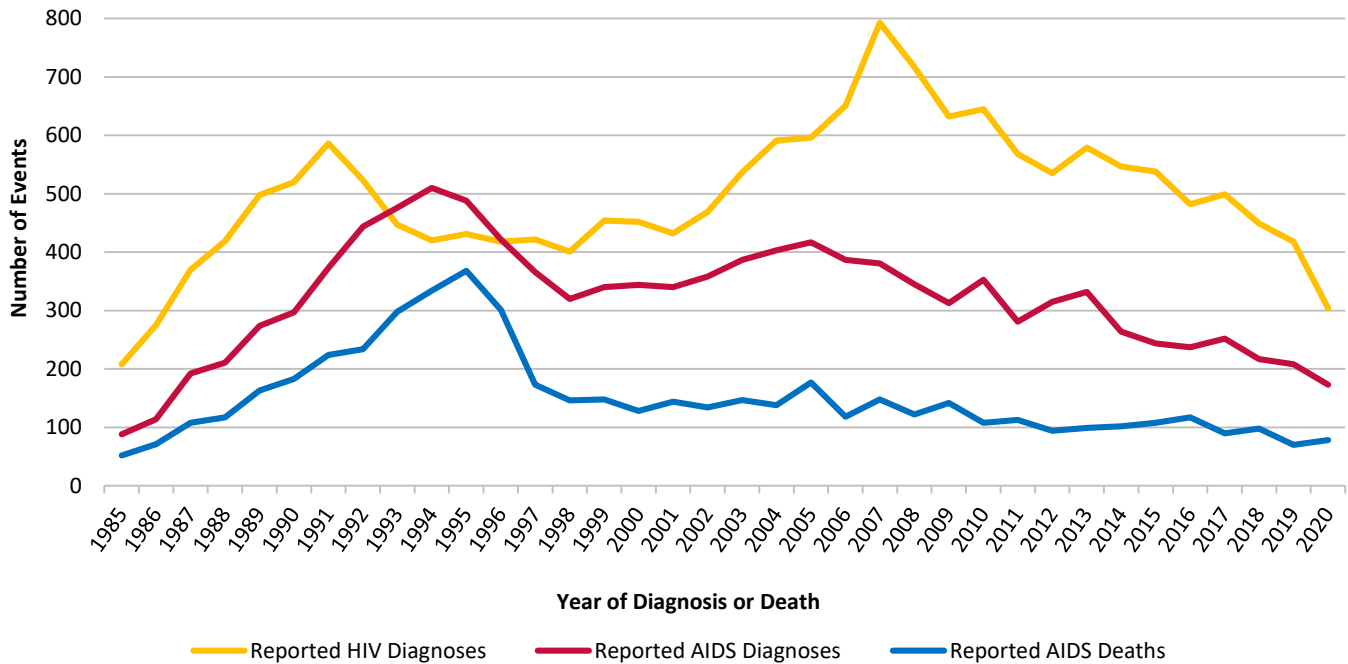
Multiple Imputation

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 1985-2020

Figure 1 – Trends in Reported HIV and AIDS Diagnoses and Deaths, among Residents at Diagnosis, 1985-2020, Reported through June 30, 2021

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 2020, as Reported through June 30, 2021



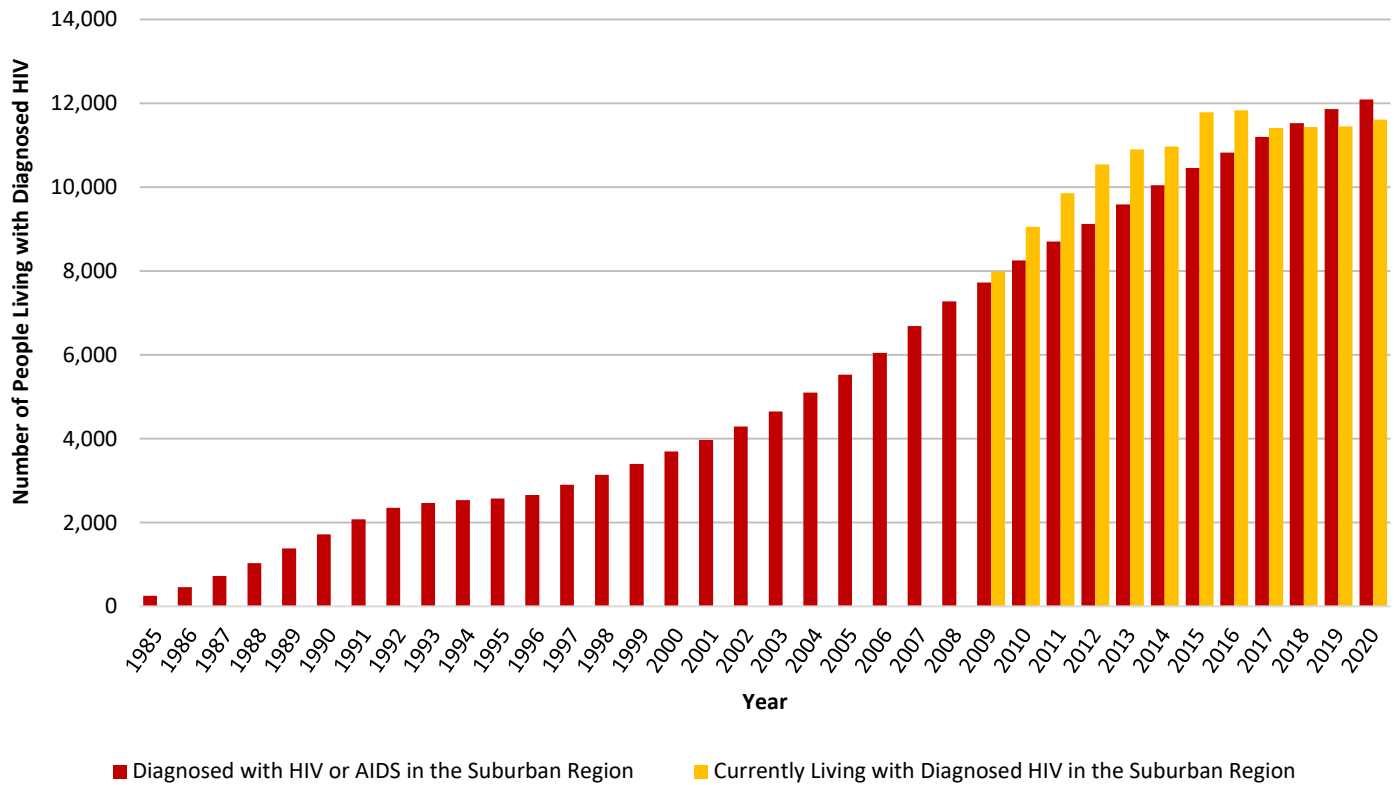
Year of Diagnosis or Death	Reported HIV Diagnoses	Reported AIDS Diagnoses	Reported AIDS Deaths	Year of Diagnosis or Death	Reported HIV Diagnoses	Reported AIDS Diagnoses	Reported AIDS Deaths
<1985	118	56	27	2003	537	387	147
1985	208	88	52	2004	591	403	138
1986	275	114	71	2005	596	417	177
1987	370	192	108	2006	651	387	118
1988	419	211	117	2007	793	381	148
1989	498	274	163	2008	717	345	122
1990	520	297	183	2009	632	313	142
1991	586	373	224	2010	645	353	108
1992	523	444	234	2011	568	281	113
1993	447	476	298	2012	535	315	94
1994	420	510	334	2013	579	332	99
1995	431	488	368	2014	547	264	102
1996	418	422	301	2015	538	244	108
1997	422	366	173	2016	482	237	117
1998	401	320	146	2017	499	252	90
1999	454	340	148	2018	449	217	98
2000	452	344	128	2019*	418	208	70
2001	432	340	144	2020*	304	173	78
2002	469	358	134	Total	17,944	11,522	5,422

*2019-2020 reported AIDS deaths are preliminary

Data for 2020 should be interpreted with caution due to the impact of the COVID-19 pandemic on access to HIV testing and care-related services.

Figure 2 – Trends in People Living with Diagnosed HIV, among Residents at Diagnosis, 1985-2020, Reported through June 30, 2021

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 2020, as Reported through June 30, 2021

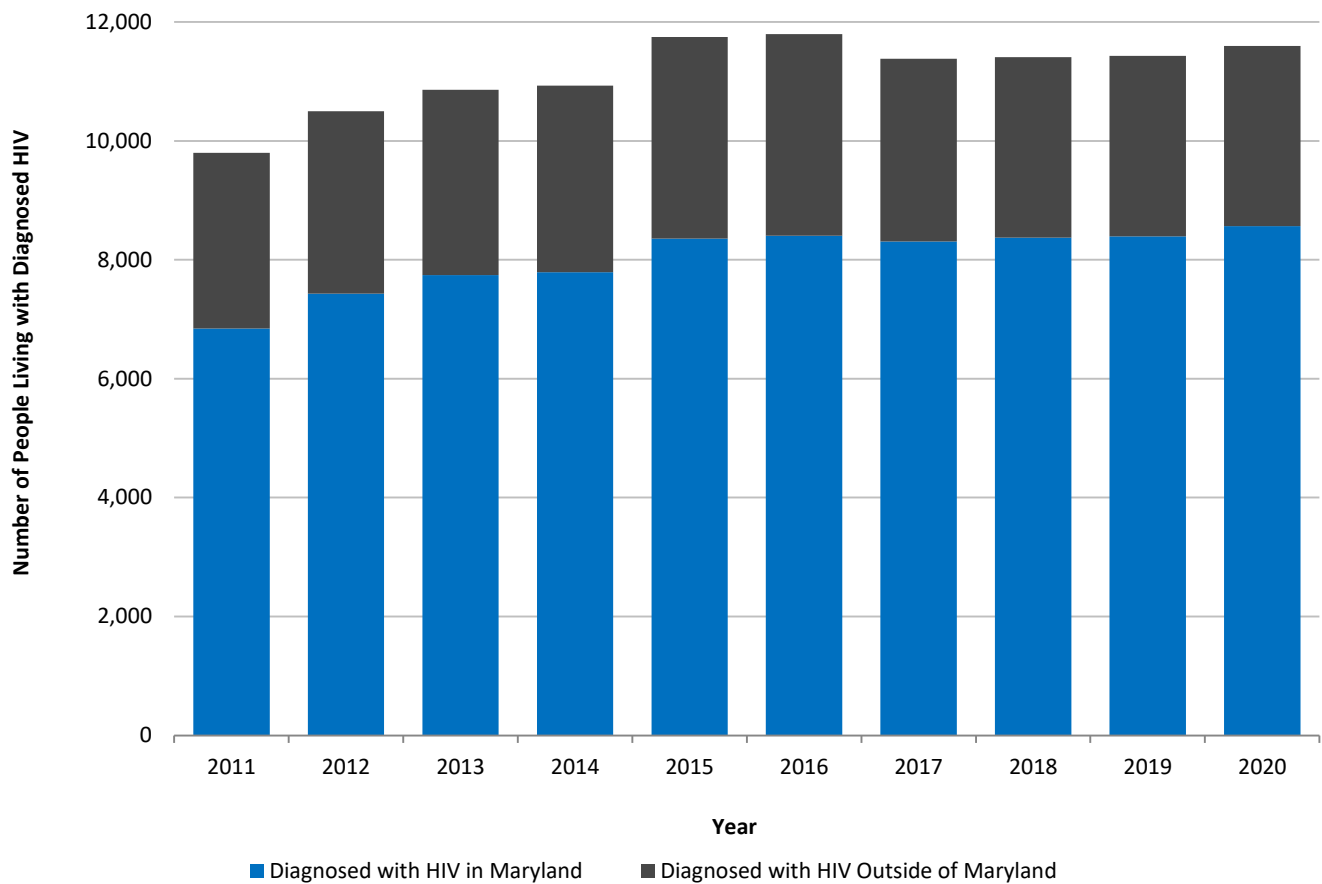


Year	People Living with Diagnosed HIV		Year	People Living with Diagnosed HIV	
	Diagnosed with HIV or AIDS in the Suburban Region	Current Residents		Diagnosed with HIV or AIDS in the Suburban Region	Current Residents
1985	254	--	2003	4,654	--
1986	458	--	2004	5,103	--
1987	731	--	2005	5,530	--
1988	1,035	--	2006	6,043	--
1989	1,383	--	2007	6,687	--
1990	1,718	--	2008	7,274	--
1991	2,078	--	2009	7,726	7,987
1992	2,353	--	2010	8,253	9,052
1993	2,469	--	2011	8,700	9,851
1994	2,540	--	2012	9,123	10,543
1995	2,573	--	2013	9,589	10,897
1996	2,659	--	2014	10,042	10,968
1997	2,901	--	2015	10,455	11,783
1998	3,137	--	2016	10,823	11,833
1999	3,399	--	2017	11,196	11,413
2000	3,699	--	2018	11,524	11,434
2001	3,975	--	2019	11,863	11,448
2002	4,288	--	2020	12,087	11,610

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, 2011-2020, Reported through June 30, 2021

People Living with Diagnosed HIV in the Suburban Region and Not Reported to have Died as of December 31st of Each Year from 2011 through 2020, as Reported through June 30, 2021

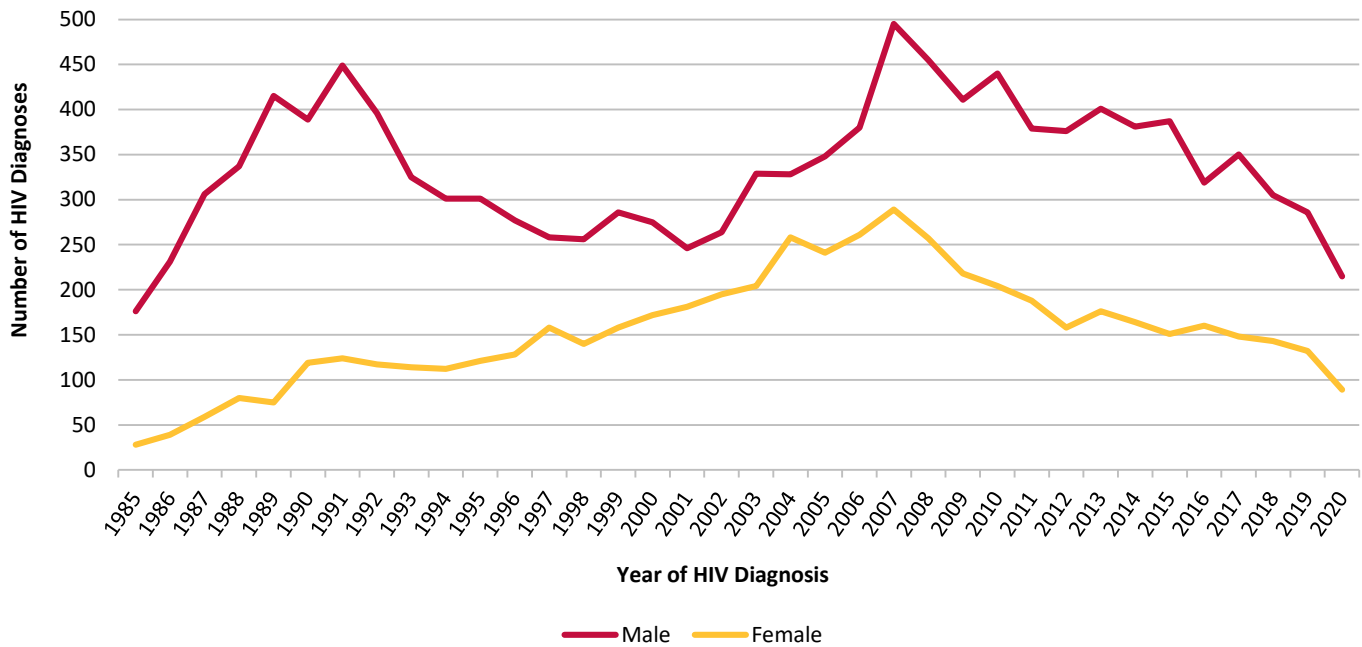


Year	Population Aged 13+	Suburban Region Residents Aged 13+ as of December 31st of the Specified Year			
		Diagnosed with HIV in Maryland	Diagnosed with HIV Outside of Maryland	Total	Rate
2011	1,549,346	6,846	2,954	9,800	632.5
2012	1,569,584	7,433	3,065	10,498	668.8
2013	1,586,267	7,743	3,116	10,859	684.6
2014	1,600,795	7,794	3,137	10,931	682.8
2015	1,614,647	8,359	3,392	11,751	727.8
2016	1,622,667	8,405	3,392	11,797	727.0
2017	1,632,425	8,311	3,069	11,380	697.1
2018	1,635,724	8,373	3,037	11,410	697.6
2019	1,639,965	8,395	3,034	11,429	696.9
2020	1,641,750	8,567	3,030	11,597	706.4

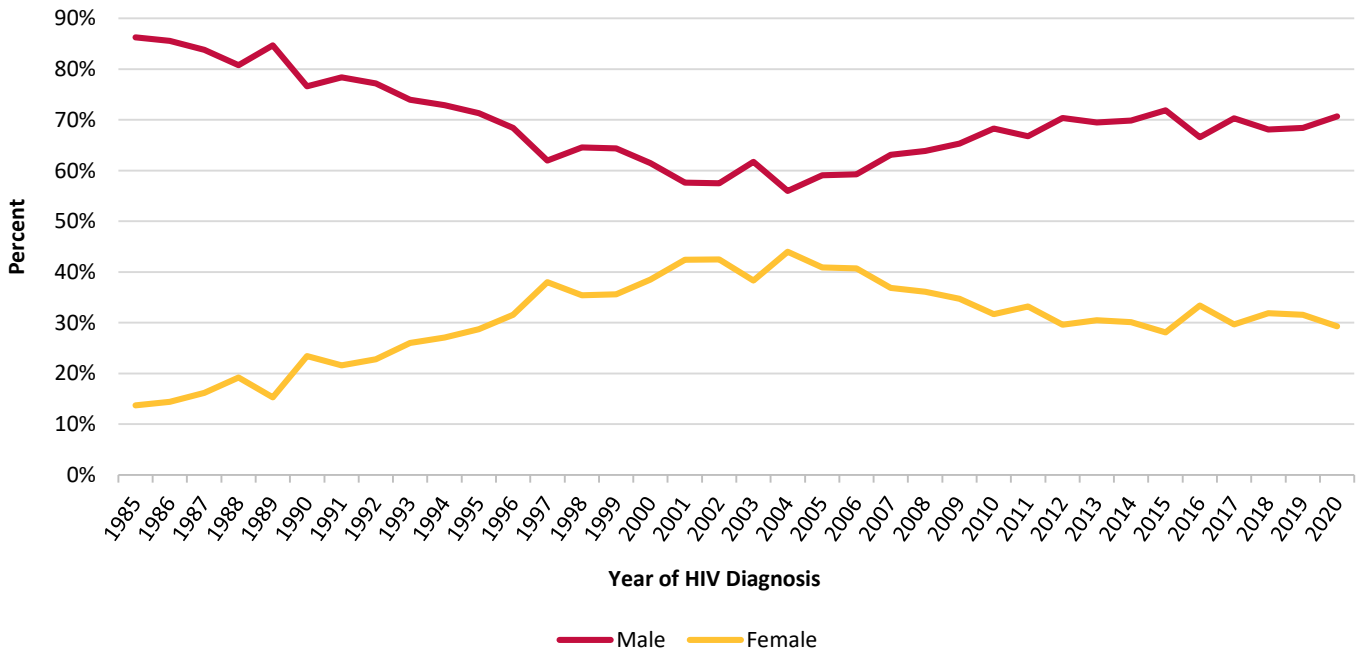
Figure 4 – Trends in Reported HIV Diagnoses, among Residents at Diagnosis Aged 13+, by Sex at Birth, 1985-2020, Reported through June 30, 2021

Number and Percent by Sex at Birth of People Diagnosed with HIV, Aged 13+ at HIV Diagnosis, by Year of HIV Diagnosis from 1985 through 2020, as Reported through June 30, 2021

Reported HIV Diagnoses Among People Aged 13+ by Sex at Birth, 1985-2020, Reported through June 30, 2021



Reported HIV Diagnoses Among People Aged 13+ by Sex at Birth, 1985-2020, Reported through June 30, 2021



Reported HIV Diagnoses among People Aged 13+

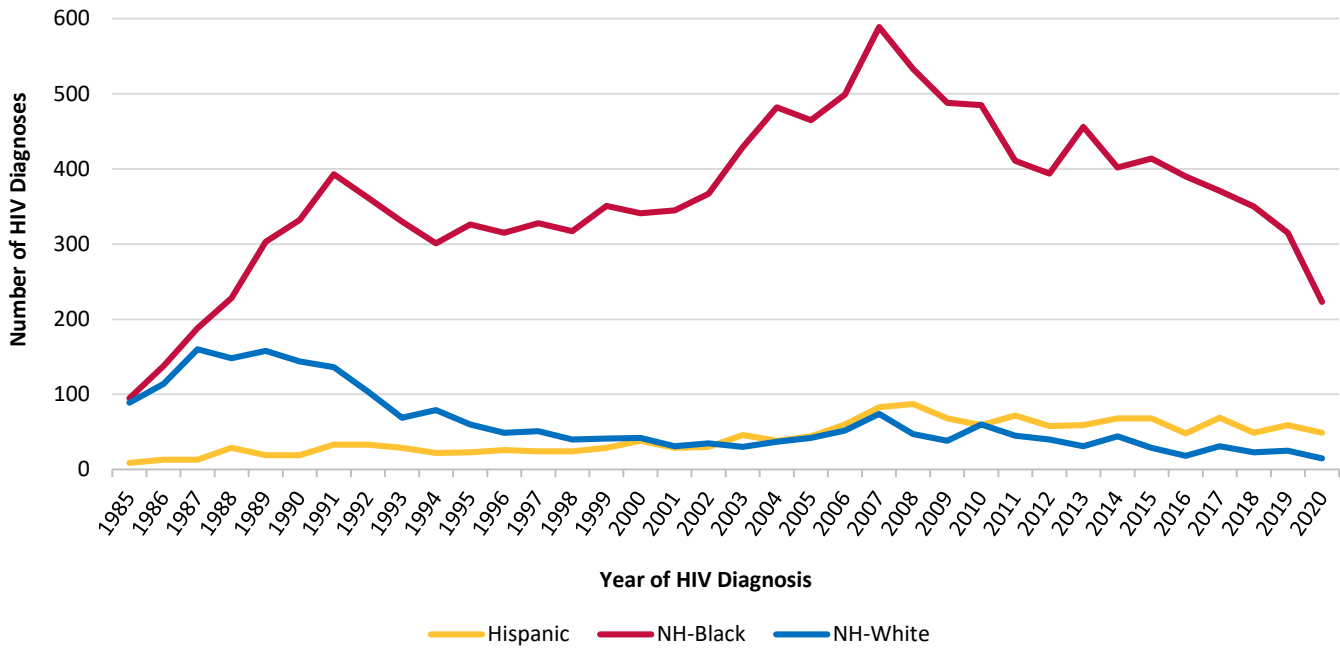
Year of HIV Diagnosis	Number	Sex at Birth			
		Male		Female	
		Number	Percent	Number	Percent
<1985	115	104	90.4%	11	9.6%
1985	204	176	86.3%	28	13.7%
1986	270	231	85.6%	39	14.4%
1987	365	306	83.8%	59	16.2%
1988	417	337	80.8%	80	19.2%
1989	490	415	84.7%	75	15.3%
1990	508	389	76.6%	119	23.4%
1991	573	449	78.4%	124	21.6%
1992	513	396	77.2%	117	22.8%
1993	439	325	74.0%	114	26.0%
1994	413	301	72.9%	112	27.1%
1995	422	301	71.3%	121	28.7%
1996	405	277	68.4%	128	31.6%
1997	416	258	62.0%	158	38.0%
1998	396	256	64.6%	140	35.4%
1999	444	286	64.4%	158	35.6%
2000	447	275	61.5%	172	38.5%
2001	427	246	57.6%	181	42.4%
2002	459	264	57.5%	195	42.5%
2003	533	329	61.7%	204	38.3%
2004	586	328	56.0%	258	44.0%
2005	589	348	59.1%	241	40.9%
2006	641	380	59.3%	261	40.7%
2007	784	495	63.1%	289	36.9%
2008	712	455	63.9%	257	36.1%
2009	629	411	65.3%	218	34.7%
2010	644	440	68.3%	204	31.7%
2011	567	379	66.8%	188	33.2%
2012	534	376	70.4%	158	29.6%
2013	577	401	69.5%	176	30.5%
2014	545	381	69.9%	164	30.1%
2015	538	387	71.9%	151	28.1%
2016	479	319	66.6%	160	33.4%
2017	498	350	70.3%	148	29.7%
2018	448	305	68.1%	143	31.9%
2019	418	286	68.4%	132	31.6%
2020	304	215	70.7%	89	29.3%
Total	17,749	12,177	68.6%	5,572	31.4%

Data for 2020 should be interpreted with caution due to the impact of the COVID-19 pandemic on access to HIV testing and care-related services.

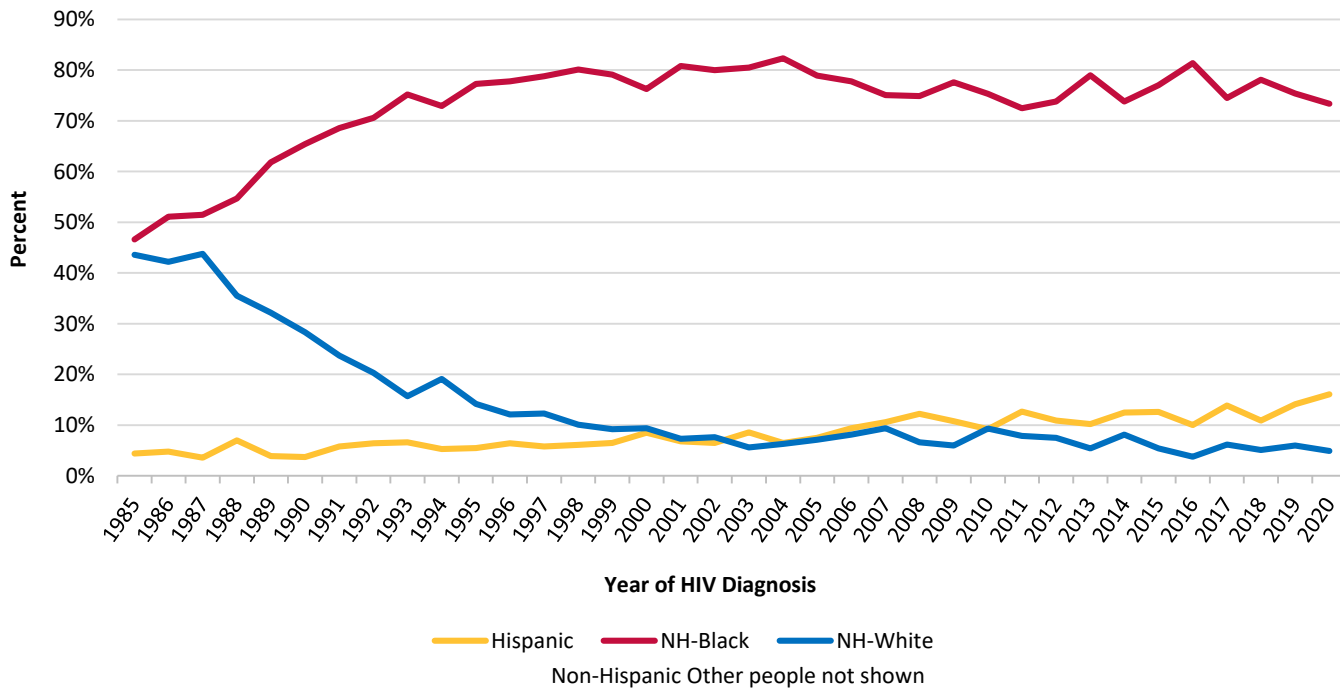
Figure 5 – Trends in Reported HIV Diagnoses, among Residents at Diagnosis Aged 13+, by Race/Ethnicity, 1985-2020, Reported through June 30, 2021

Number and Percent by Race/Ethnicity of People Diagnosed with HIV, Aged 13+ at HIV Diagnosis, by Year of HIV Diagnosis from 1985 through 2020, as Reported through June 30, 2021

Reported HIV Diagnoses Among People Aged 13+ by Race/Ethnicity, 1985-2020, Reported through June 30, 2021



Reported HIV Diagnoses Among People Aged 13+ by Race/Ethnicity, 1985-2020, Reported through June 30, 2021



Reported HIV Diagnoses among People Aged 13+

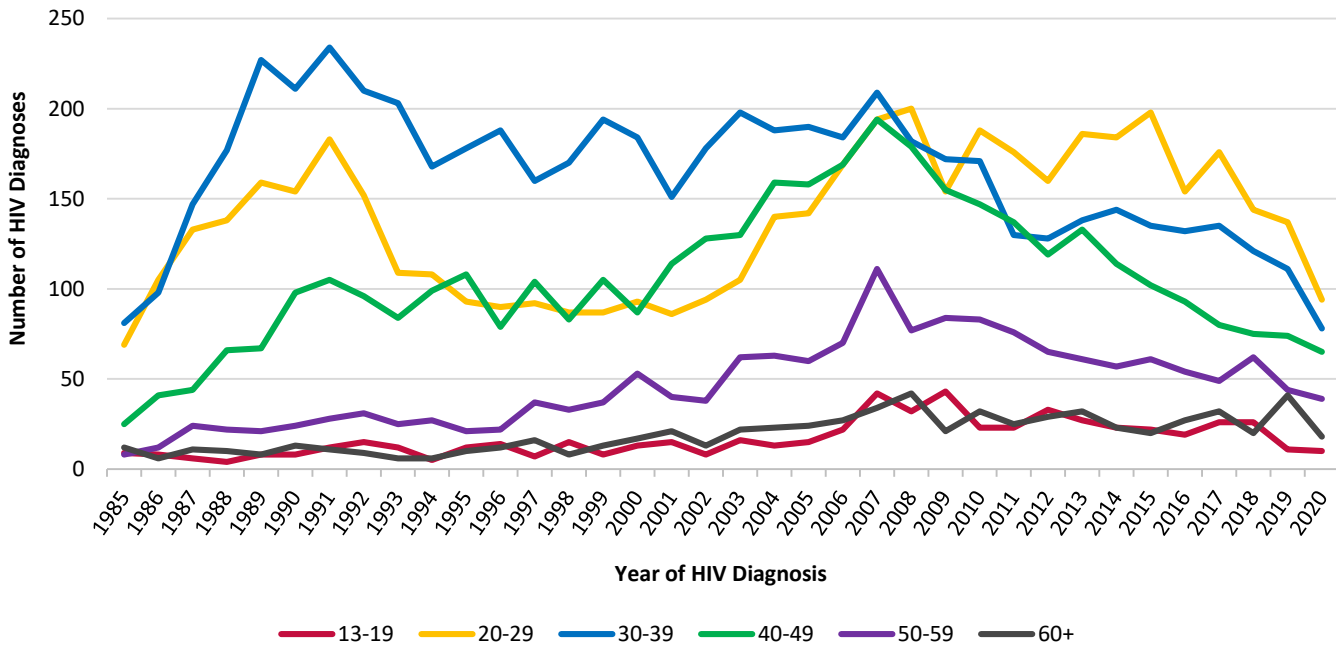
Year of HIV Diagnosis	No.	Race/Ethnicity							
		Hispanic		Non-Hispanic Black, only		Non-Hispanic White, only		Non-Hispanic Other Race	
		No.	%	No.	%	No.	%	No.	%
<1985	115	4	3.5%	68	59.1%	37	32.2%	6	5.2%
1985	204	9	4.4%	95	46.6%	89	43.6%	11	5.4%
1986	270	13	4.8%	138	51.1%	114	42.2%	5	1.9%
1987	365	13	3.6%	188	51.5%	160	43.8%	4	1.1%
1988	417	29	7.0%	228	54.7%	148	35.5%	12	2.9%
1989	490	19	3.9%	303	61.8%	158	32.2%	10	2.0%
1990	508	19	3.7%	332	65.4%	144	28.3%	13	2.6%
1991	573	33	5.8%	393	68.6%	136	23.7%	11	1.9%
1992	513	33	6.4%	362	70.6%	104	20.3%	14	2.7%
1993	439	29	6.6%	330	75.2%	69	15.7%	11	2.5%
1994	413	22	5.3%	301	72.9%	79	19.1%	11	2.7%
1995	422	23	5.5%	326	77.3%	60	14.2%	13	3.1%
1996	405	26	6.4%	315	77.8%	49	12.1%	15	3.7%
1997	416	24	5.8%	328	78.8%	51	12.3%	13	3.1%
1998	396	24	6.1%	317	80.1%	40	10.1%	15	3.8%
1999	444	29	6.5%	351	79.1%	41	9.2%	23	5.2%
2000	447	38	8.5%	341	76.3%	42	9.4%	26	5.8%
2001	427	29	6.8%	345	80.8%	31	7.3%	22	5.2%
2002	459	30	6.5%	367	80.0%	35	7.6%	27	5.9%
2003	533	46	8.6%	429	80.5%	30	5.6%	28	5.3%
2004	586	38	6.5%	482	82.3%	37	6.3%	29	4.9%
2005	589	44	7.5%	465	78.9%	42	7.1%	38	6.5%
2006	641	60	9.4%	499	77.8%	52	8.1%	30	4.7%
2007	784	83	10.6%	589	75.1%	74	9.4%	38	4.8%
2008	712	87	12.2%	533	74.9%	47	6.6%	45	6.3%
2009	629	68	10.8%	488	77.6%	38	6.0%	35	5.6%
2010	644	59	9.2%	485	75.3%	60	9.3%	40	6.2%
2011	567	72	12.7%	411	72.5%	45	7.9%	39	6.9%
2012	534	58	10.9%	394	73.8%	40	7.5%	42	7.9%
2013	577	59	10.2%	456	79.0%	31	5.4%	31	5.4%
2014	545	68	12.5%	402	73.8%	44	8.1%	31	5.7%
2015	538	68	12.6%	414	77.0%	29	5.4%	27	5.0%
2016	479	48	10.0%	390	81.4%	18	3.8%	23	4.8%
2017	498	69	13.9%	371	74.5%	31	6.2%	27	5.4%
2018	448	49	10.9%	350	78.1%	23	5.1%	26	5.8%
2019	418	59	14.1%	315	75.4%	25	6.0%	19	4.5%
2020	304	49	16.1%	223	73.4%	15	4.9%	17	5.6%
Total	17,749	1,530	8.6%	13,124	73.9%	2,268	12.8%	827	4.7%

Data for 2020 should be interpreted with caution due to the impact of the COVID-19 pandemic on access to HIV testing and care-related services.

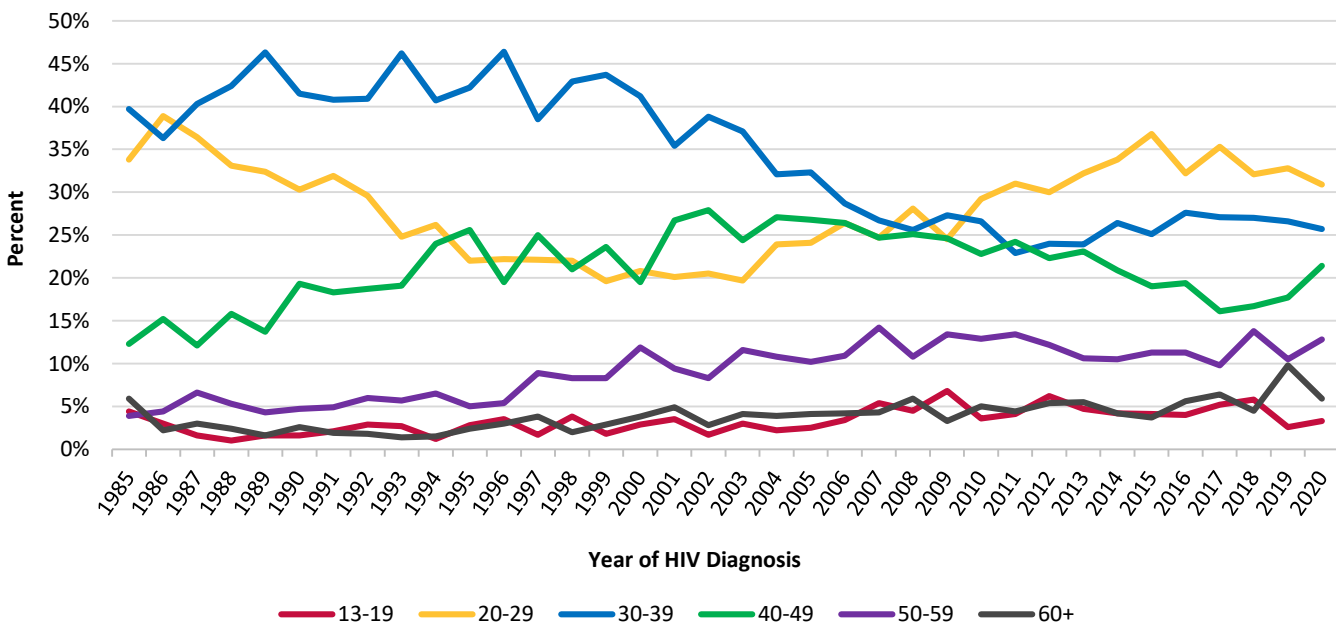
Figure 6 – Trends in Reported HIV Diagnoses, among Residents at Diagnosis Aged 13+, by Age at HIV Diagnosis, 1985-2020, Reported through June 30, 2021

Number and Percent by Age at HIV Diagnosis of People Diagnosed with HIV, Aged 13+ at HIV Diagnosis, by Year of HIV Diagnosis from 1985 through 2020, as Reported through June 30, 2021

Reported HIV Diagnoses Among People Aged 13+ by Age at Diagnosis, 1985-2020, Reported through June 30, 2021



Reported HIV Diagnoses Among People Aged 13+ by Age at Diagnosis, 1985-2020, Reported through June 30, 2021



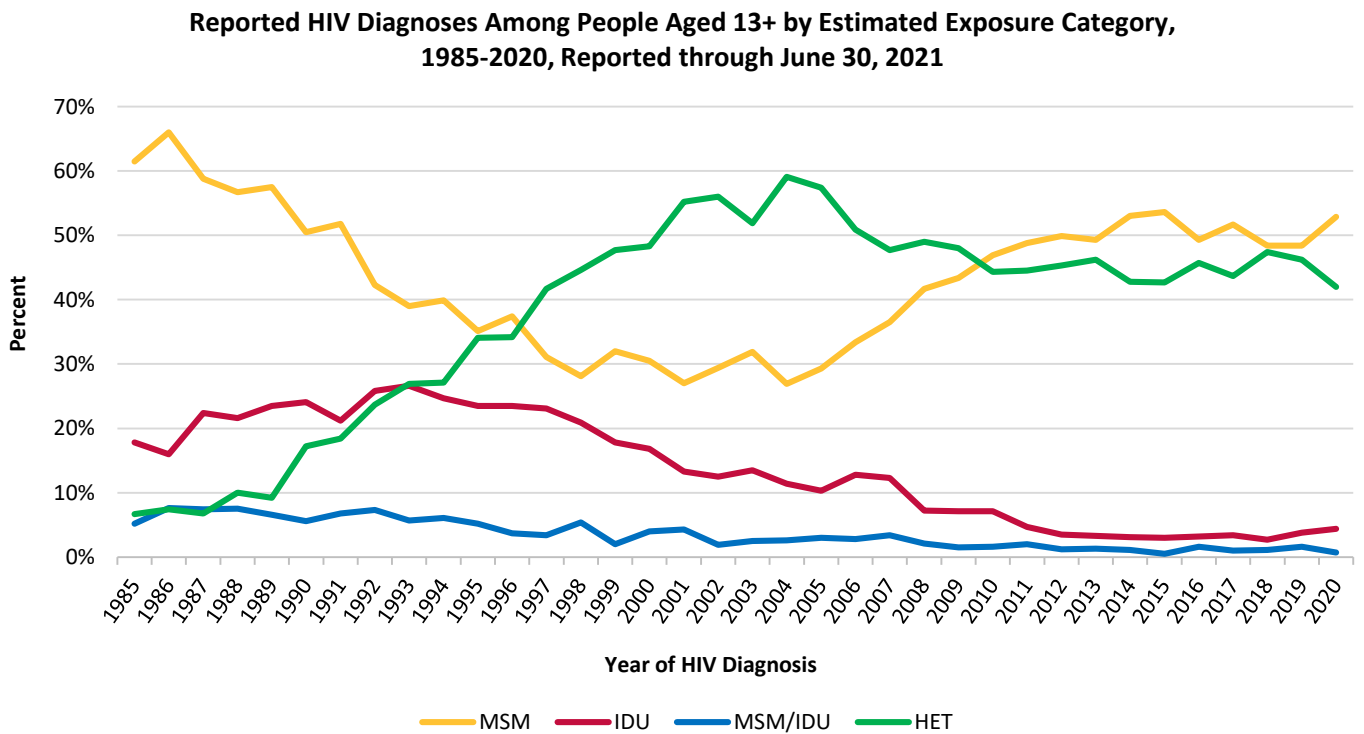
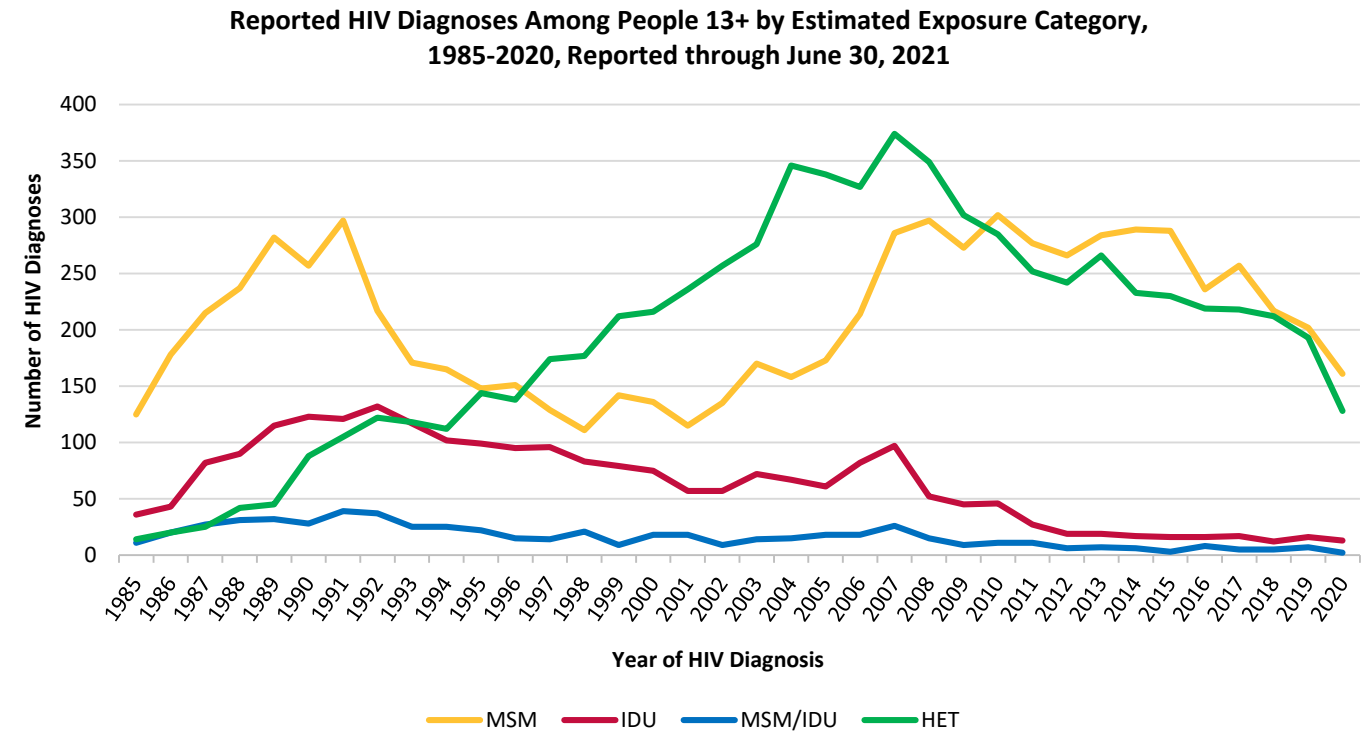
Reported HIV Diagnoses among People Aged 13+

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	115	12	10.4%	43	37.4%	34	29.6%	19	16.5%	4	3.5%	3	2.6%
1985	204	9	4.4%	69	33.8%	81	39.7%	25	12.3%	8	3.9%	12	5.9%
1986	270	8	3.0%	105	38.9%	98	36.3%	41	15.2%	12	4.4%	6	2.2%
1987	365	6	1.6%	133	36.4%	147	40.3%	44	12.1%	24	6.6%	11	3.0%
1988	417	4	1.0%	138	33.1%	177	42.4%	66	15.8%	22	5.3%	10	2.4%
1989	490	8	1.6%	159	32.4%	227	46.3%	67	13.7%	21	4.3%	8	1.6%
1990	508	8	1.6%	154	30.3%	211	41.5%	98	19.3%	24	4.7%	13	2.6%
1991	573	12	2.1%	183	31.9%	234	40.8%	105	18.3%	28	4.9%	11	1.9%
1992	513	15	2.9%	152	29.6%	210	40.9%	96	18.7%	31	6.0%	9	1.8%
1993	439	12	2.7%	109	24.8%	203	46.2%	84	19.1%	25	5.7%	6	1.4%
1994	413	5	1.2%	108	26.2%	168	40.7%	99	24.0%	27	6.5%	6	1.5%
1995	422	12	2.8%	93	22.0%	178	42.2%	108	25.6%	21	5.0%	10	2.4%
1996	405	14	3.5%	90	22.2%	188	46.4%	79	19.5%	22	5.4%	12	3.0%
1997	416	7	1.7%	92	22.1%	160	38.5%	104	25.0%	37	8.9%	16	3.8%
1998	396	15	3.8%	87	22.0%	170	42.9%	83	21.0%	33	8.3%	8	2.0%
1999	444	8	1.8%	87	19.6%	194	43.7%	105	23.6%	37	8.3%	13	2.9%
2000	447	13	2.9%	93	20.8%	184	41.2%	87	19.5%	53	11.9%	17	3.8%
2001	427	15	3.5%	86	20.1%	151	35.4%	114	26.7%	40	9.4%	21	4.9%
2002	459	8	1.7%	94	20.5%	178	38.8%	128	27.9%	38	8.3%	13	2.8%
2003	533	16	3.0%	105	19.7%	198	37.1%	130	24.4%	62	11.6%	22	4.1%
2004	586	13	2.2%	140	23.9%	188	32.1%	159	27.1%	63	10.8%	23	3.9%
2005	589	15	2.5%	142	24.1%	190	32.3%	158	26.8%	60	10.2%	24	4.1%
2006	641	22	3.4%	169	26.4%	184	28.7%	169	26.4%	70	10.9%	27	4.2%
2007	784	42	5.4%	194	24.7%	209	26.7%	194	24.7%	111	14.2%	34	4.3%
2008	712	32	4.5%	200	28.1%	182	25.6%	179	25.1%	77	10.8%	42	5.9%
2009	629	43	6.8%	154	24.5%	172	27.3%	155	24.6%	84	13.4%	21	3.3%
2010	644	23	3.6%	188	29.2%	171	26.6%	147	22.8%	83	12.9%	32	5.0%
2011	567	23	4.1%	176	31.0%	130	22.9%	137	24.2%	76	13.4%	25	4.4%
2012	534	33	6.2%	160	30.0%	128	24.0%	119	22.3%	65	12.2%	29	5.4%
2013	577	27	4.7%	186	32.2%	138	23.9%	133	23.1%	61	10.6%	32	5.5%
2014	545	23	4.2%	184	33.8%	144	26.4%	114	20.9%	57	10.5%	23	4.2%
2015	538	22	4.1%	198	36.8%	135	25.1%	102	19.0%	61	11.3%	20	3.7%
2016	479	19	4.0%	154	32.2%	132	27.6%	93	19.4%	54	11.3%	27	5.6%
2017	498	26	5.2%	176	35.3%	135	27.1%	80	16.1%	49	9.8%	32	6.4%
2018	448	26	5.8%	144	32.1%	121	27.0%	75	16.7%	62	13.8%	20	4.5%
2019	418	11	2.6%	137	32.8%	111	26.6%	74	17.7%	44	10.5%	41	9.8%
2020	304	10	3.3%	94	30.9%	78	25.7%	65	21.4%	39	12.8%	18	5.9%
Total	17,749	617	3.5%	4,976	28.0%	5,939	33.5%	3,835	21.6%	1,685	9.5%	697	3.9%

Data for 2020 should be interpreted with caution due to the impact of the COVID-19 pandemic on access to HIV testing and care-related services.

Figure 7 – Trends in Reported HIV Diagnoses, among Residents at Diagnosis Aged 13+, by Estimated Exposure Category, 1985-2020, Reported through June 30, 2021

Number and Percent by Estimated Exposure Category[§] of People Diagnosed with HIV, Aged 13+ at HIV Diagnosis, by Year of HIV Diagnosis from 1985 through 2020, as Reported through June 30, 2021



Other exposure category not shown

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

Reported HIV Diagnoses among People Aged 13+

Year of HIV Diagnosis	No.	% with No Reported Exposure [‡]	Estimated Exposure Category [§]									
			MSM		IDU		MSM/IDU		HET		Other Exposure	
			No.	%	No.	%	No.	%	No.	%	No.	%
<1985	115	9.6%	77	67.0%	16	13.9%	10	8.4%	8	7.2%	4	3.5%
1985	204	6.9%	125	61.5%	36	17.8%	11	5.2%	14	6.7%	18	8.8%
1986	270	3.7%	178	66.0%	43	16.0%	20	7.6%	20	7.4%	8	3.0%
1987	365	3.3%	215	58.8%	82	22.4%	27	7.4%	25	6.8%	17	4.7%
1988	417	6.2%	237	56.7%	90	21.6%	31	7.5%	42	10.0%	18	4.3%
1989	490	6.9%	282	57.5%	115	23.5%	32	6.6%	45	9.2%	16	3.3%
1990	508	5.1%	257	50.5%	123	24.1%	28	5.6%	88	17.2%	13	2.6%
1991	573	7.5%	297	51.8%	121	21.2%	39	6.8%	105	18.4%	11	1.9%
1992	513	10.9%	217	42.3%	132	25.8%	37	7.3%	122	23.7%	5	1.0%
1993	439	9.8%	171	39.0%	117	26.6%	25	5.7%	118	26.9%	8	1.8%
1994	413	9.4%	165	39.9%	102	24.7%	25	6.1%	112	27.1%	9	2.2%
1995	422	12.6%	148	35.1%	99	23.5%	22	5.2%	144	34.1%	9	2.1%
1996	405	15.3%	151	37.4%	95	23.5%	15	3.7%	138	34.2%	5	1.2%
1997	416	16.3%	129	31.1%	96	23.1%	14	3.4%	174	41.7%	3	0.7%
1998	396	18.2%	111	28.1%	83	20.9%	21	5.4%	177	44.6%	4	1.0%
1999	444	15.1%	142	32.0%	79	17.8%	9	2.0%	212	47.7%	2	0.5%
2000	447	17.9%	136	30.5%	75	16.8%	18	4.0%	216	48.3%	2	0.4%
2001	427	16.4%	115	27.0%	57	13.3%	18	4.3%	236	55.2%	1	0.2%
2002	459	13.5%	135	29.4%	57	12.5%	9	1.9%	257	56.0%	1	0.2%
2003	533	13.1%	170	31.9%	72	13.5%	14	2.5%	276	51.9%	1	0.2%
2004	586	19.8%	158	26.9%	67	11.4%	15	2.6%	346	59.1%	0	0.0%
2005	589	20.9%	173	29.3%	61	10.3%	18	3.0%	338	57.4%	0	0.0%
2006	641	28.1%	214	33.4%	82	12.8%	18	2.8%	327	50.9%	0	0.0%
2007	784	29.3%	286	36.5%	97	12.3%	26	3.4%	374	47.7%	1	0.1%
2008	712	36.7%	297	41.7%	52	7.2%	15	2.1%	349	49.0%	0	0.0%
2009	629	35.6%	273	43.4%	45	7.1%	9	1.5%	302	48.0%	0	0.0%
2010	644	37.0%	302	46.9%	46	7.1%	11	1.6%	285	44.3%	0	0.0%
2011	567	37.9%	277	48.8%	27	4.7%	11	2.0%	252	44.5%	0	0.0%
2012	534	24.9%	266	49.9%	19	3.5%	6	1.2%	242	45.3%	1	0.2%
2013	577	21.3%	284	49.3%	19	3.3%	7	1.3%	266	46.2%	0	0.0%
2014	545	20.0%	289	53.0%	17	3.1%	6	1.1%	233	42.8%	0	0.0%
2015	538	13.8%	288	53.6%	16	3.0%	3	0.5%	230	42.7%	1	0.2%
2016	479	18.2%	236	49.3%	16	3.2%	8	1.6%	219	45.7%	1	0.2%
2017	498	19.3%	257	51.7%	17	3.4%	5	1.0%	218	43.7%	1	0.2%
2018	448	16.3%	217	48.4%	12	2.7%	5	1.1%	212	47.4%	2	0.4%
2019	418	27.5%	202	48.4%	16	3.8%	7	1.6%	193	46.2%	0	0.0%
2020	304	37.5%	161	52.9%	13	4.4%	2	0.7%	128	42.0%	0	0.0%
Total	17,749	19.3%	7,638	43.0%	2,312	13.0%	597	3.4%	7,043	39.7%	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.

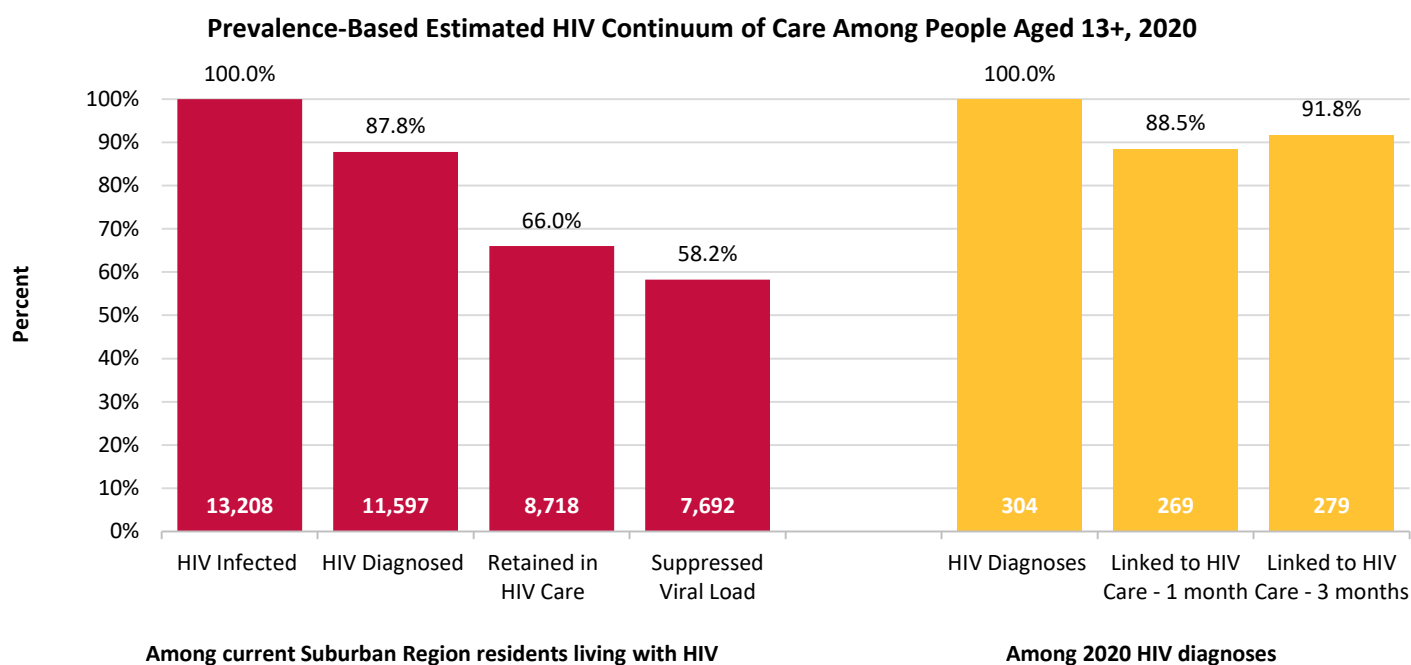
Data for 2020 should be interpreted with caution due to the impact of the COVID-19 pandemic on access to HIV testing and care-related services.

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 2020 HIV Continuum of Care Cascades, among Current Suburban Region Residents Aged 13+, Reported through June 30, 2021

The prevalence-based Suburban Region Engagement in HIV Care Cascades (below) apply the CDC CD4 depletion model to Maryland surveillance data, reported through June 30, 2021, to estimate the number of people living with undiagnosed HIV (12.2%) 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 Suburban Region on December 31, 2020 and the number and percentage of new HIV diagnoses in 2020 who belong to each of the stages of engagement in HIV care.



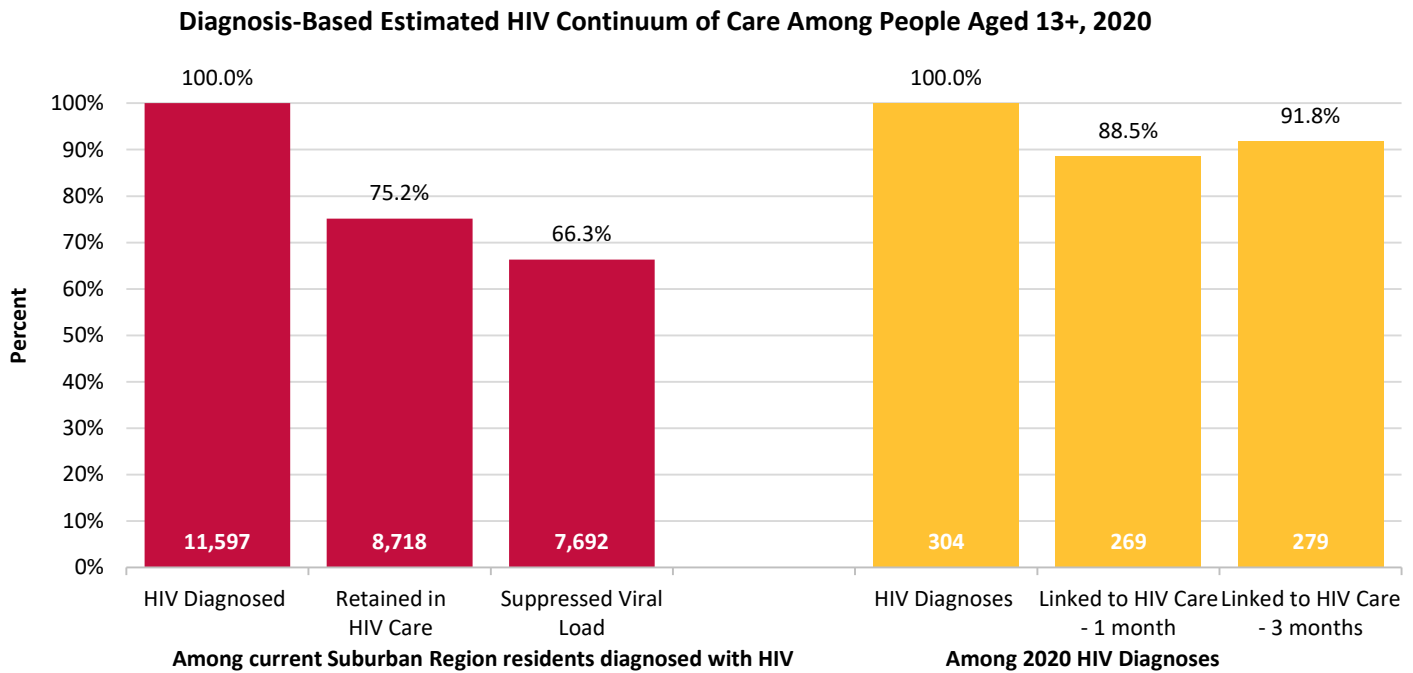
Continuum of Care Stage	People Aged 13+ Living with HIV		Continuum of Care Stage	Reported 2020 HIV Diagnoses	
	Number	Percent		Number	Percent
HIV Infected	13,208	100.0%	New HIV Diagnoses	304	100.0%
HIV Diagnosed	11,597	87.8%	Linked to HIV Care – 1 Month	269	88.5%
Retained in HIV Care	8,718	66.0%	Linked to HIV Care – 3 Months	279	91.8%
Suppressed Viral Load	7,692	58.2%			

Data for 2020 should be interpreted with caution due to the impact of the COVID-19 pandemic on access to HIV testing and care-related services.

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 2020 HIV Continuum of Care Cascades, among Current Suburban Region Residents Aged 13+, Reported through June 30, 2021

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, 2020 and the number and percentage of new HIV diagnoses in 2020 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 2020 HIV Diagnoses	
	Number	Percent		Number	Percent
HIV Diagnosed	11,597	100.0%	New HIV Diagnoses	304	100.0%
Retained in HIV Care	8,718	75.2%	Linked to HIV Care – 1 Month	269	88.5%
Suppressed Viral Load	7,692	66.3%	Linked to HIV Care – 3 Months	279	91.8%

Data for 2020 should be interpreted with caution due to the impact of the COVID-19 pandemic on access to HIV testing and care-related services.

Section IV – By Jurisdiction

Table 1 – Reported HIV Diagnoses and Reported AIDS Diagnoses, among People Aged 13+ during 2020, by Jurisdiction of Residence at Diagnosis, Reported through June 30, 2021

Jurisdiction of Residence at Diagnosis	Population Aged 13+	Reported HIV Diagnoses among People Aged 13+			Reported AIDS Diagnoses among People Aged 13+		
		No.	% of Total	Rate	No.	% of Total	Rate
Montgomery	879,817	83	27.3%	9.4	49	28.7%	5.6
Prince George's	761,933	221	72.7%	29.0	122	71.3%	16.0
Total	1,641,750	304	100.0%	18.5	171	100.0%	10.4

Data for 2020 should be interpreted with caution due to the impact of the COVID-19 pandemic on access to HIV testing and care-related services.

Table 2 – Reported HIV Diagnoses, among People Aged 13+ during 2020, 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, 2021

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	83	88.0%	92.8%	24.1%	97.6%	381
Prince George's	221	88.7%	91.4%	27.1%	93.2%	308
Total	304	88.5%	91.8%	26.3%	94.4%	330

Data for 2020 should be interpreted with caution due to the impact of the COVID-19 pandemic on access to HIV testing and care-related services.

Table 3 – People Aged 13+ Living with Diagnosed HIV, Alive on December 31, 2020, by Jurisdiction of Residence at Diagnosis and Current Residence, Reported through June 30, 2021

Jurisdiction of Residence	Population Aged 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)	
Montgomery	879,817	4,143	34.3%	470.9	212	3,583	30.9%	407.2	246	-13.5%
Prince George's	761,933	7,935	65.7%	1,041.4	96	8,014	69.1%	1,051.8	95	1.0%
Total	1,641,750	12,078	100.0%	735.7	136	11,597	100.0%	706.4	142	-4.0%

Table 4 – CD4 Test Results during 2020 for People Aged 13+ Living with Diagnosed HIV, Alive on December 31, 2020, by Jurisdiction of Current Residence, Reported through June 30, 2021

Jurisdiction of Current Residence	No.	Total People Aged 13+ Living with Diagnosed HIV								
		Recent CD4 Test Result				Median Count	<200	200-349	350-499	500+
		No. with Test	% with Test	% with Test						
Montgomery	3,583	2,482	69.3%	606	5.6%	12.0%	17.6%	64.7%		
Prince George's	8,014	5,955	74.3%	632	6.8%	11.2%	15.4%	66.6%		
Total	11,597	8,437	72.8%	624	6.5%	11.4%	16.0%	66.1%		

Table 5 – Viral Load Test Results during 2020 for People Aged 13+ Living with Diagnosed HIV, Alive on December 31, 2020, by Jurisdiction of Current Residence, Reported through June 30, 2021

Jurisdiction of Current Residence	Total People Aged 13+ Living with Diagnosed HIV				
	No.	Recent Viral Load Test Result			Median Unsuppressed Viral Load
		No. with Test	% with Test	% Suppressed	
Montgomery	3,583	2,467	68.9%	92.8%	11,452
Prince George's	8,014	5,967	74.5%	90.5%	8,340
Total	11,597	8,434	72.7%	91.2%	9,165

Section V – By Age

Table 6 – Reported HIV Diagnoses during 2020, Linked to Care, Late Diagnosis, and First CD4 Test Result by Age at HIV Diagnosis, Reported through June 30, 2021

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)	122,287	0	0.0%	0.0	--	--	--	--	--
5-12 (Pediatric)	197,391	0	0.0%	0.0	--	--	--	--	--
13-19	171,354	10	3.3%	5.8	90.0%	90.0%	***	80.0%	464
20-29	245,336	94	30.9%	38.3	83.0%	89.4%	***	91.5%	435
30-39	269,637	78	25.7%	28.9	92.3%	94.9%	34.6%	94.9%	358
40-49	259,528	65	21.4%	25.0	95.4%	95.4%	35.4%	100.0%	271
50-59	269,646	39	12.8%	14.5	84.6%	87.2%	33.3%	97.4%	204
60+	426,249	18	5.9%	4.2	83.3%	88.9%	38.9%	88.9%	121
Total	1,961,428	304	100.0%	15.5	88.5%	91.8%	26.3%	94.4%	330

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

Data for 2020 should be interpreted with caution due to the impact of the COVID-19 pandemic on access to HIV testing and care-related services.

Table 7 – People Living with Diagnosed HIV, Alive on December 31, 2020, by Age on December 31, 2020, Reported through June 30, 2021

Age on December 31, 2020	Population	Total People Living with Diagnosed HIV			
		No.	% of Total	Rate	Ratio (1 in X)
<5 (Pediatric)	122,287	3	0.0%	2.5	40,762
5-12 (Pediatric)	197,391	10	0.1%	5.1	19,739
13-19	171,354	56	0.5%	32.7	3,060
20-29	245,336	964	8.3%	392.9	254
30-39	269,637	2,481	21.4%	920.1	109
40-49	259,528	2,717	23.4%	1,046.9	96
50-59	269,646	3,195	27.5%	1,184.90	84
60+	426,249	2,184	18.8%	512.4	195
Total	1,961,428	11,610	100.0%	591.9	169

Table 8 – CD4 Test Results during 2020 for People Aged 13+ Living with Diagnosed HIV, Alive on December 31, 2020, by Age on December 31, 2020, Reported through June 30, 2021

Age on December 31, 2020	No.	Total People Aged 13+ Living with Diagnosed HIV							
		Recent CD4 Test Results				<200	200-349	350-499	500+
		No. with Test	% with Test	Median Count					
13-19	56	40	71.4%	695	5.0%	15.0%	7.5%	72.5%	
20-29	964	713	74.0%	651	6.9%	8.1%	12.3%	72.7%	
30-39	2,481	1,781	71.8%	634	6.9%	10.6%	15.1%	67.4%	
40-49	2,717	1,962	72.2%	624	6.3%	10.7%	16.7%	66.3%	
50-59	3,195	2,365	74.0%	624	6.3%	12.1%	16.6%	65.0%	
60+	2,184	1,576	72.2%	596	6.2%	13.8%	17.3%	62.7%	
Total	11,597	8,437	72.8%	624	6.5%	11.4%	16.0%	66.1%	

Table 9 – Viral Load Test Results during 2020 for People Living with Diagnosed HIV, Alive on December 31, 2020, by Age on December 31, 2020, Reported through June 30, 2021

Age on December 31, 2020	Total People Aged 13+ Living with Diagnosed HIV				
	No.	Recent Viral Load Test Result			Median Unsuppressed Viral Load
		No. with Test	% with Test	% Suppressed	
13-19	56	50	89.3%	78.0%	12,000
20-29	964	723	75.0%	83.1%	12,000
30-39	2,481	1,773	71.5%	88.6%	14,698
40-49	2,717	1,953	71.9%	92.3%	10,595
50-59	3,195	2,370	74.2%	92.6%	4,820
60+	2,184	1,565	71.7%	95.0%	2,480
Total	11,597	8,434	72.7%	91.2%	9,165

Section VI – By Demographics

Table 10 – Reported HIV Diagnoses, among People Aged 13+ during 2020, 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, 2021

Demographic Characteristics	Population Aged 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	782,129	215	70.7%	27.5	87.9%	91.6%	26.0%	94.4%	329
Female	859,621	89	29.3%	10.4	89.9%	92.1%	27.0%	94.4%	369
Gender									
Man	782,129	212	69.7%	27.1	88.7%	92.0%	26.4%	94.8%	329
Woman	859,621	89	29.3%	10.4	***	***	***	***	***
Transgender Woman	--	3	1.0%	0.0	***	***	***	***	***
Transgender Man	--	0	0.0%	0.0	--	--	--	--	--
Another Gender Identity	--	0	0.0%	0.0	--	--	--	--	--
Race/Ethnicity									
Hispanic	296,374	49	16.1%	16.5	93.9%	93.9%	26.5%	100.0%	368
Non-Hispanic	1,345,376	255	83.9%	19.0	87.5%	91.4%	26.3%	93.3%	330
American Indian/Alaska Native, only	3,391	1	0.3%	29.5	***	***	***	***	***
Asian, only	174,541	5	1.6%	2.9	***	***	0.0%	***	***
Black, only	645,488	223	73.4%	34.5	87.9%	91.0%	27.8%	93.3%	298
Native Hawaiian/Other Pacific Islander, only	759	0	0.0%	0.0	--	--	--	--	--
White, only	488,332	15	4.9%	3.1	80.0%	93.3%	***	93.3%	587
Multiracial/Other	32,866	11	3.6%	33.5	90.9%	100.0%	***	100.0%	341
Total	1,641,750	304	100.0%	18.5	88.5%	91.8%	26.3%	94.4%	330
Country of Birth									
United States	1,109,760	193	63.5%	17.4	86.5%	91.2%	22.3%	93.8%	368
Foreign-Born	519,163	54	17.8%	10.4	94.4%	94.4%	33.3%	100.0%	260
Africa	--	34	11.2%	--	94.1%	94.1%	32.4%	100.0%	269
Asia	--	1	0.3%	--	***	***	***	***	***
Caribbean	--	3	1.0%	--	***	***	***	***	***
Central America	--	13	4.3%	--	92.3%	92.3%	46.2%	100.0%	183
Other	--	3	1.0%	--	***	***	***	***	***
Unknown	--	57	18.8%	--	89.5%	91.2%	33.3%	91.2%	338
Total	1,628,923	304	100.0%	18.7	88.5%	91.8%	26.3%	94.4%	330

Note. Population data by sex at birth, age, and race/ethnicity are from the 2020 United States Census population estimates. Population data by gender are unavailable. Population data by country of birth are from the 2019 American Community Survey.

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

Data for 2020 should be interpreted with caution due to the impact of the COVID-19 pandemic on access to HIV testing and care-related services.

Table 11 – Reported HIV Diagnoses, among People Aged 13+ during 2020 by Sex at Birth and Race/Ethnicity, Reported through June 30, 2021

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	153,314	40	18.6%	26.1	143,060	9	10.1%	6.3
Non-Hispanic	628,815	175	81.4%	27.8	716,561	80	89.9%	27.8
American Indian/Alaska Native, only	1,552	1	0.5%	64.4	1,839	0	0.0%	0.0
Asian, only	81,122	4	1.9%	4.9	93,419	1	1.1%	1.1
Black, only	293,697	146	67.9%	49.7	351,792	77	86.5%	21.9
Native Hawaiian/Other Pacific Islander, only	331	0	0.0%	0.0	428	0	0.0%	0.0
White, only	236,989	14	6.5%	5.9	251,343	1	1.1%	0.4
Multiracial/Other	15,125	10	4.7%	66.1	17,741	1	1.1%	5.6
Total	782,129	215	100.0%	27.5	859,621	89	100.0%	27.5

Note. Population data by sex at birth, age, and race/ethnicity are from the 2020 United States Census population estimates.

Data for 2020 should be interpreted with caution due to the impact of the COVID-19 pandemic on access to HIV testing and care-related services.

Table 12 – People Aged 13+ Living with Diagnosed HIV Alive on December 31, 2020, by Sex at Birth, Gender, Race/Ethnicity, and Country of Birth, Reported through June 30, 2021

Demographic Characteristics	Population Aged 13+	Total People Aged 13+ Living with Diagnosed HIV			
		No.	% of Total	Rate	Ratio (1 in X)
Sex at Birth					
Male	782,129	7,642	65.9%	977.1	102
Female	859,621	3,955	34.1%	460.1	217
Gender					
Man	782,129	7,563	65.2%	967.0	103
Woman	859,621	3,951	34.1%	459.6	218
Transgender Woman	--	79	0.7%	--	--
Transgender Man	--	4	0.0%	--	--
Another Gender Identity	--	0	0.0%	--	--
Race/Ethnicity					
Hispanic	296,374	1,199	10.3%	404.6	247
Non-Hispanic	1,345,376	10,398	89.7%	772.9	129
American Indian/Alaska Native, only	3,391	***	***	***	***
Asian, only	174,541	121	1.0%	69.3	1,442
Black, only	645,488	8,876	76.5%	1,375.1	73
Native Hawaiian/Other Pacific Islander, only	759	***	***	***	***
White, only	488,332	822	7.1%	168.3	594
Multiracial/Other	32,866	567	4.9%	1,725.2	58
Total	1,641,750	11,597	100.0%	706.4	142
Country of Birth					
United States	1,109,760	8,682	74.9%	782.3	128
Foreign-Born	519,163	2,519	21.7%	485.2	206
Africa	--	1,730	14.9%	--	--
Asia	--	90	0.8%	--	--
Caribbean	--	145	1.3%	--	--
Central America	--	379	3.3%	--	--
Other	--	175	1.5%	--	--
Unknown	--	396	3.4%	--	--
Total	1,628,923	11,597	100.0%	711.9	140

Note. Population data by sex at birth, age, and race/ethnicity are from the 2020 United States Census population estimates. Population data by gender are unavailable. Population data by country of birth are from the 2019 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, 2020, by Sex at Birth and Race/Ethnicity, Reported through June 30, 2021

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	153,314	941	12.3%	613.8	143,060	258	6.5%	180.3
Non-Hispanic	628,815	6,701	87.7%	1,065.7	716,561	3,697	93.5%	515.9
American Indian/Alaska Native, only	1,552	***	***	***	1,839	***	***	***
Asian, only	81,122	102	1.3%	125.7	93,419	19	0.5%	20.3
Black, only	293,697	5,469	71.6%	1,862.1	351,792	3,407	86.1%	968.5
Native Hawaiian/Other Pacific Islander, only	331	***	***	***	428	***	***	***
White, only	236,989	701	9.2%	295.8	251,343	121	3.1%	48.1
Multiracial/Other	15,125	419	5.5%	2,770.3	17,741	148	3.7%	834.2
Total	782,129	7,642	100.0%	977.1	859,621	3,955	100.0%	460.1

Note. Population data by sex at birth, age, and race/ethnicity are from the 2020 United States Census population estimates.

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

Table 14 – CD4 Test Results during 2020 for People Aged 13+ Living with Diagnosed HIV, Alive on December 31, 2020, by Sex at Birth, Gender, Race/Ethnicity and Country of Birth, Reported through June 30, 2021

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	7,642	5,550	72.6%	607	6.7%	11.9%	17.1%	64.3%
Female	3,955	2,887	73.0%	657	6.0%	10.6%	13.9%	69.4%
Gender								
Man	7,563	5,489	72.6%	607	6.7%	11.9%	17.1%	64.2%
Woman	3,951	2,883	73.0%	656	6.0%	10.6%	13.9%	69.4%
Transgender Woman	79	***	***	***	***	***	***	***
Transgender Man	4	***	***	***	***	***	***	***
Another Gender Identity	0	--	--	--	--	--	--	--
Race/Ethnicity								
Hispanic	1,199	880	73.4%	611	5.7%	11.1%	17.3%	65.9%
Non-Hispanic	10,398	7,557	72.7%	626	6.6%	11.5%	15.9%	66.1%
American Indian/Alaska Native, only	***	***	***	***	***	***	***	***
Asian, only	121	85	70.2%	574	2.4%	9.4%	25.9%	62.4%
Black, only	8,876	6,437	72.5%	626	6.8%	11.8%	15.6%	65.7%
Native Hawaiian/Other Pacific Islander, only	***	***	***	***	***	***	***	***
White, only	822	579	70.4%	659	3.6%	7.3%	14.7%	74.4%
Multiracial/Other	567	448	79.0%	591	7.6%	12.5%	18.5%	61.4%
Country of Birth								
United States	8,682	6,391	73.6%	633	6.6%	11.1%	15.3%	66.9%
Foreign-Born	2,519	1,778	70.6%	588	6.1%	12.8%	18.2%	62.9%
Africa	1,730	1,198	69.2%	570	6.4%	12.9%	19.4%	61.2%
Asia	90	72	80.0%	621	1.4%	11.1%	19.4%	68.1%
Caribbean	145	118	81.4%	678	9.3%	13.6%	11.9%	65.3%
Central America	379	275	72.6%	595	4.7%	15.6%	13.5%	66.2%
Other	175	115	65.7%	622	5.2%	4.3%	22.6%	67.8%
Unknown	396	268	67.7%	608	6.3%	10.1%	17.5%	66.0%
Total	11,597	8,437	72.8%	624	6.5%	11.4%	16.0%	66.1%

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

Table 15 – Viral Load Test Results during 2020 for People Aged 13+ Living with Diagnosed HIV, Alive on December 31, 2020, by Sex at Birth, Gender, Race/Ethnicity and Country of Birth, Reported through June 30, 2021

Demographic Characteristics	Total People Aged 13+ Living with Diagnosed HIV				
	No.	Recent Viral Load Test Result			Median Unsuppressed Viral Load
		No. with Test	% with Test	% Suppressed	
Sex at Birth					
Male	7,642	5,547	72.6%	91.0%	9,258
Female	3,955	2,887	73.0%	91.7%	9,072
Gender					
Man	7,563	5,492	72.6%	91.0%	9,539
Woman	3,951	2,883	73.0%	91.7%	9,072
Transgender Woman	79	***	***	***	***
Transgender Man	4	***	***	***	***
Another Gender Identity	0	--	--	--	--
Race/Ethnicity					
Hispanic	1,199	873	72.8%	92.7%	5,660
Non-Hispanic	10,398	7,561	72.7%	91.0%	10,379
American Indian/Alaska Native, only	***	***	***	***	***
Asian, only	121	86	71.1%	94.2%	13,951
Black, only	8,876	6,441	72.6%	90.6%	8,800
Native Hawaiian/Other Pacific Islander, only	***	***	***	***	***
White, only	822	584	71.0%	95.5%	21,050
Multiracial/Other	567	442	78.0%	91.0%	19,500
Country of Birth					
United States	8,682	6,390	73.6%	90.7%	10,100
Foreign-Born	2,519	1,777	70.5%	93.7%	7,887
Africa	1,730	1,202	69.5%	93.5%	5,833
Asia	90	71	78.9%	95.8%	75,500
Caribbean	145	118	81.4%	91.5%	27,871
Central America	379	272	71.8%	92.6%	7,589
Other	175	114	65.1%	99.1%	4,820
Unknown	396	267	67.4%	86.5%	3,705
Total	11,597	8,434	72.7%	91.2%	9,165

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

Table 16 – Males Living with Diagnosed HIV by Age on December 31, 2020 and Race/Ethnicity, Alive on December 31, 2020, and Reported through June 30, 2021

Age on December 31, 2020		Total Males Living with Diagnosed HIV				Total Males by Age Group
		Race/Ethnicity				
		Hispanic	Non-Hispanic Black, only	Non-Hispanic White, only	Non-Hispanic Other Race	
<13 (Pediatric)	Population	48,358	57,766	34,685	22,584	163,394
	Number	1	2	1	0	4
	Rate	2.1	3.5	2.9	0.0	2.4
	Ratio (1 in X)	48,358	28,883	34,685	--	40,849
13-19	Population	22,436	31,146	21,814	11,861	87,256
	Number	4	26	2	1	33
	Rate	17.8	83.5	9.2	8.4	37.8
	Ratio (1 in X)	5,609	1,198	10,907	11,861	2,644
20-29	Population	27,780	49,278	29,735	15,376	122,169
	Number	106	599	25	41	771
	Rate	381.6	1,215.6	84.1	266.6	631.1
	Ratio (1 in X)	262	82	1,189	375	158
30-39	Population	31,902	50,278	33,803	17,048	133,031
	Number	250	1,409	103	138	1,900
	Rate	783.6	2,802.4	304.7	809.5	1,428.2
	Ratio (1 in X)	128	36	328	124	70
40-49	Population	32,692	45,569	31,501	16,121	125,883
	Number	277	1,056	116	121	1,570
	Rate	847.3	2,317.4	368.2	750.6	1,247.2
	Ratio (1 in X)	118	43	272	133	80
50-59	Population	21,516	50,869	39,695	14,893	126,973
	Number	212	1,437	244	136	2,029
	Rate	985.3	2,824.9	614.7	913.2	1,598.0
	Ratio (1 in X)	101	35	163	110	63
60+	Population	16,988	66,557	80,441	22,831	186,817
	Number	92	942	211	94	1,339
	Rate	541.6	1,415.3	262.3	411.7	716.7
	Ratio (1 in X)	185	71	381	243	140
Total Males by Race/Ethnicity	Population	201,672	351,463	271,674	120,714	945,523
	Number	942	5,471	702	531	7,646
	Rate	467.1	1,556.6	258.4	439.9	808.7
	Ratio (1 in X)	214	64	387	227	124

Table 17 – Females Living with Diagnosed HIV by Age on December 31, 2020 and Race/Ethnicity, Alive on December 31, 2020, and Reported through June 30, 2021

Age on December 31, 2020		Total Females Living with Diagnosed HIV				Total Females by Age Group
		Race/Ethnicity				
		Hispanic	Non-Hispanic Black, only	Non-Hispanic White, only	Non-Hispanic Other Race	
<13 (Pediatric)	Population	46,101	56,508	32,469	21,205	156,284
	Number	1	6	1	1	9
	Rate	2.2	10.6	3.1	4.7	5.8
	Ratio (1 in X)	46,101	9,418	32,469	21,205	17,365
13-19	Population	21,180	30,891	20,602	11,426	84,098
	Number	2	19	1	1	23
	Rate	9.4	61.5	4.9	8.8	27.3
	Ratio (1 in X)	10,590	1,626	20,602	11,426	3,656
20-29	Population	26,025	52,884	28,655	15,603	123,167
	Number	19	167	3	4	193
	Rate	73.0	315.8	10.5	25.6	156.7
	Ratio (1 in X)	1,370	317	9,552	3,901	638
30-39	Population	28,069	55,719	33,589	19,229	136,606
	Number	45	487	19	30	581
	Rate	160.3	874.0	56.6	156.0	425.3
	Ratio (1 in X)	624	114	1,768	641	235
40-49	Population	27,262	54,384	32,162	19,837	133,645
	Number	84	987	24	52	1,147
	Rate	308.1	1,814.9	74.6	262.1	858.2
	Ratio (1 in X)	325	55	1,340	381	117
50-59	Population	19,938	63,009	41,364	18,362	142,673
	Number	68	1,017	35	46	1,166
	Rate	341.1	1,614.1	84.6	250.5	817.3
	Ratio (1 in X)	293	62	1,182	399	122
60+	Population	20,586	94,905	94,971	28,970	239,432
	Number	40	730	39	36	845
	Rate	194.3	769.2	41.1	124.3	352.9
	Ratio (1 in X)	515	130	2,435	805	283
Total Females by Race/Ethnicity	Population	189,161	408,300	283,812	134,632	1,015,905
	Number	259	3,413	122	170	3,964
	Rate	136.9	835.9	43.0	126.3	390.2
	Ratio (1 in X)	730	120	2,326	792	256

Section VII – By HIV Exposure Category

Table 18 – Reported HIV Diagnoses, among People Aged 13+ during 2020, Linked to Care, Late Diagnosis, and First CD4 Test Result, by Estimated or Reported Exposure Category and Sex at Birth, Reported through June 30, 2021

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)	161	52.9%	87.2%	91.4%	19.6%	94.1%	378
Injection Drug Use (IDU)	13	4.4%	***	***	***	***	***
Male-to-male Sexual Contact and Injection Drug Use (MSM/IDU)	2	0.7%	***	***	***	***	***
Heterosexual Contact (HET)	128	42.0%	90.6%	92.6%	33.6%	94.5%	271
Perinatal Transmission	0	0.0%	--	--	--	--	--
Other Exposure	0	0.0%	--	--	--	--	--
No Estimated or Reported Exposure	0	0.0%	--	--	--	--	--
Total	304	100.0%	88.5%	91.8%	26.3%	94.4%	330
Male Estimated or Reported Exposure Category							
Male-to-male Sexual Contact (MSM)	161	74.8%	87.2%	91.4%	19.6%	94.1%	378
Injection Drug Use (IDU)	8	3.7%	***	***	***	***	***
Male-to-male Sexual Contact and Injection Drug Use (MSM/IDU)	2	0.9%	***	***	***	***	***
Heterosexual Contact (HET)	44	20.6%	91.0%	92.3%	44.8%	95.0%	147
Perinatal Transmission	0	0.0%	--	--	--	--	--
Other Exposure	0	0.0%	--	--	--	--	--
No Estimated or Reported Exposure	0	0.0%	--	--	--	--	--
Total	215	100.0%	87.9%	91.6%	26.0%	94.4%	329
Female Estimated or Reported Exposure Category							
Injection Drug Use (IDU)	6	6.2%	81.8%	83.6%	***	96.4%	246
Heterosexual Contact (HET)	84	93.8%	90.4%	92.7%	27.7%	94.3%	370
Perinatal Transmission	0	0.0%	--	--	--	--	--
Other Exposure	0	0.0%	--	--	--	--	--
No Estimated or Reported Exposure	0	0.0%	--	--	--	--	--
Total	89	100.0%	89.9%	92.1%	27.0%	94.4%	369

Note. Data for 2020 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.

Data for 2020 should be interpreted with caution due to the impact of the COVID-19 pandemic on access to HIV testing and care-related services.

Table 19 – People Aged 13+ Living with Diagnosed HIV, Alive on December 31, 2020, by Estimated or Reported Exposure Category and Sex at Birth, Reported through June 30, 2021

Estimated or Reported Exposure Category	Total People Aged 13+ Living with Diagnosed HIV	
	No.	% of Total
Male-to-male Sexual Contact (MSM)	5,245	45.2%
Injection Drug Use (IDU)	723	6.2%
Male-to-male Sexual Contact and Injection Drug Use (MSM/IDU)	260	2.2%
Heterosexual Contact (HET)	5,202	44.9%
Perinatal Transmission	125	1.1%
Other Exposure	13	0.1%
No Estimated or Reported Exposure	29	0.3%
Total	11,597	100.0%
Male Estimated or Reported Exposure Category		
Male-to-male Sexual Contact (MSM)	5,245	68.6%
Injection Drug Use (IDU)	388	5.1%
Male-to-male Sexual Contact and Injection Drug Use (MSM/IDU)	260	3.4%
Heterosexual Contact (HET)	1,668	21.8%
Perinatal Transmission	57	0.7%
Other Exposure	5	0.1%
No Estimated or Reported Exposure	19	0.2%
Total	7,642	100.0%
Female Estimated or Reported Exposure Category		
Injection Drug Use (IDU)	336	8.5%
Heterosexual Contact (HET)	3,533	89.3%
Perinatal Transmission	68	1.7%
Other Exposure	8	0.2%
No Estimated or Reported Exposure	10	0.3%
Total	3,955	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, 2020, and Reported through June 30, 2021

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)	652	54.4%	3,585	40.4%	595	72.4%
Injection Drug Use (IDU)	37	3.1%	606	6.8%	43	5.3%
Male-to-male Sexual Contact and Injection Drug Use (MSM/IDU)	21	1.7%	186	2.1%	33	4.0%
Heterosexual Contact (HET)	479	40.0%	4,358	49.1%	141	17.1%
Perinatal Transmission	8	0.7%	109	1.2%	4	0.5%
Other Exposure	1	0.1%	7	0.1%	3	0.4%
No Estimated or Reported Exposure	1	0.1%	25	0.3%	2	0.2%
Total	1,199	100.0%	8,876	100.0%	821	100.0%
Male Estimated or Reported Exposure Category						
Male-to-male Sexual Contact (MSM)	652	69.3%	3,585	65.5%	595	85.0%
Injection Drug Use (IDU)	25	2.6%	321	5.9%	25	3.5%
Male-to-male Sexual Contact and Injection Drug Use (MSM/IDU)	21	2.2%	186	3.4%	33	4.7%
Heterosexual Contact (HET)	238	25.3%	1,309	23.9%	44	6.2%
Perinatal Transmission	4	0.4%	50	0.9%	2	0.3%
Other Exposure	1	0.1%	1	0.0%	2	0.3%
No Estimated or Reported Exposure	0	0.0%	18	0.3%	0	0.0%
Total	941	100.0%	5,470	100.0%	701	100.0%
Female Estimated or Reported Exposure Category						
Injection Drug Use (IDU)	12	4.6%	285	8.4%	19	15.5%
Heterosexual Contact (HET)	241	93.4%	3,050	89.5%	97	80.4%
Perinatal Transmission	4	1.6%	59	1.7%	2	1.7%
Other Exposure	0	0.0%	6	0.2%	1	0.8%
No Estimated or Reported Exposure	1	0.4%	7	0.2%	2	1.7%
Total	258	100.0%	3,407	100.0%	121	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 21 – CD4 Test Results during 2020 for People Aged 13+ Living with Diagnosed HIV, Alive on December 31, 2020, by Estimated or Reported Exposure Category, Reported through June 30, 2021

Estimated or Reported Exposure Category	Total People Aged 13+ with Living Diagnosed HIV								
	No.	Recent CD4 Test Results				<200	200-349	350-499	500+
		No. with Test	% with Test	Median Count					
Male-to-male Sexual Contact (MSM)	5,245	3,880	74.0%	633	5.6%	10.0%	16.4%	67.9%	
Injection Drug Use (IDU)	723	501	69.3%	612	6.9%	13.2%	16.1%	63.8%	
Male-to-male Sexual Contact and Injection Drug Use (MSM/IDU)	260	191	73.3%	550	7.1%	15.8%	19.0%	58.1%	
Heterosexual Contact (HET)	5,202	3,748	72.1%	619	6.9%	12.5%	15.5%	65.0%	
Perinatal Transmission	125	89	71.2%	635	18.0%	6.7%	12.4%	62.9%	
Other Exposure	13	11	84.6%	461	0.0%	27.3%	27.3%	45.5%	
No Estimated or Reported Exposure	29	17	58.6%	661	17.6%	5.9%	17.6%	58.8%	
Total	11,597	8,437	72.8%	624	6.5%	11.4%	16.0%	66.1%	

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 2020 for People Aged 13+ Living with Diagnosed HIV, Alive on December 31, 2020, by Estimated or Reported Exposure Category, Reported through June 30, 2021

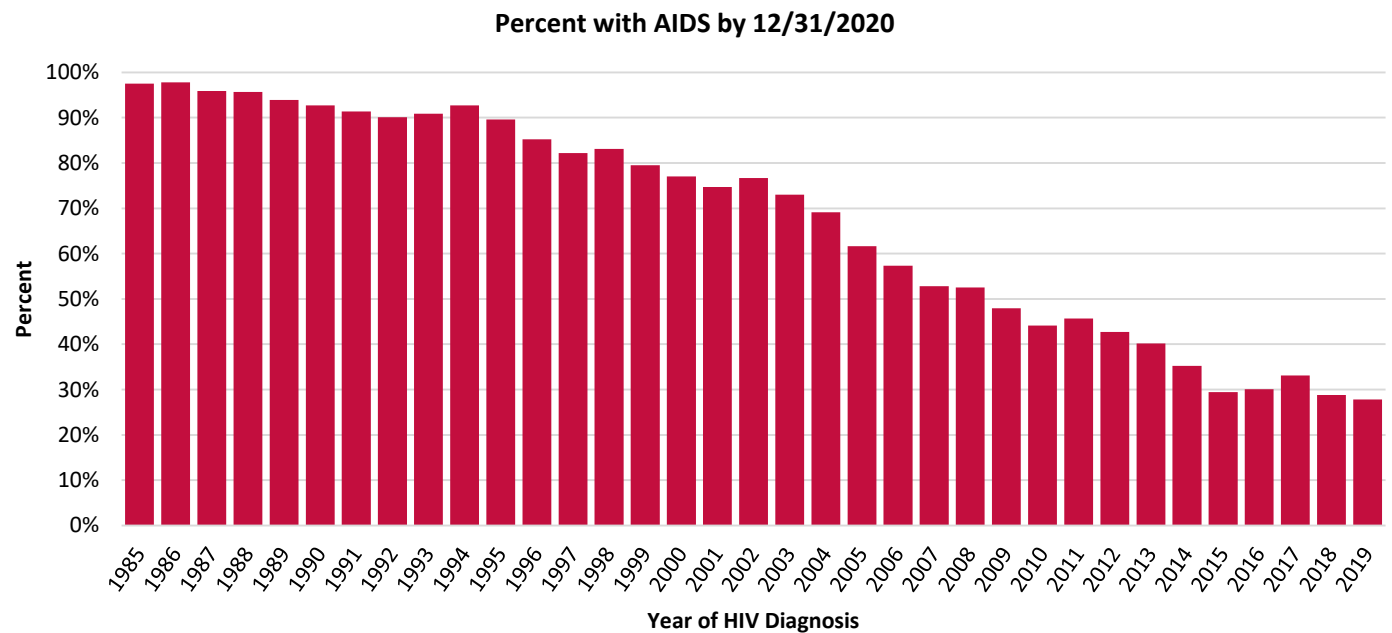
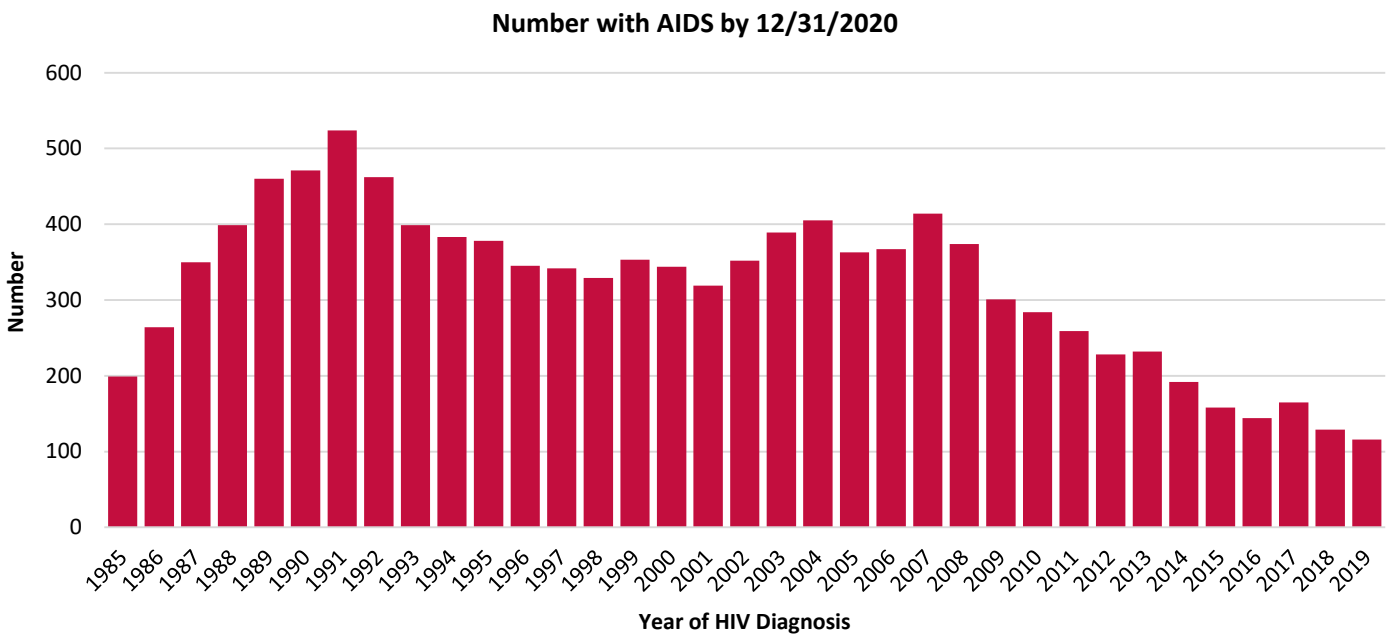
Estimated or Reported Exposure Category	Total People Aged 13+ with Living Diagnosed HIV				
	No.	Recent Viral Load Test Results			Median Unsuppressed Viral Load
		No. with Test	% with Test	% Suppressed	
Male-to-male Sexual Contact (MSM)	5,245	3,875	73.9%	91.2%	9,740
Injection Drug Use (IDU)	723	494	68.4%	91.6%	8,110
Male-to-male Sexual Contact and Injection Drug Use (MSM/IDU)	260	192	74.0%	89.6%	13,600
Heterosexual Contact (HET)	5,202	3,741	71.9%	91.6%	7,140
Perinatal Transmission	125	101	80.8%	76.2%	9,420
Other Exposure	13	11	84.6%	100.0%	--
No Estimated or Reported Exposure	29	20	69.0%	90.0%	33,288
Total	11,597	8,434	72.7%	91.2%	9,165

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, 1985-2019, Reported through June 30, 2021

Number of People Aged 13+ with Diagnosed HIV, Aged 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, 2020 (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, 2020, 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 2019, Reported through June 30, 2021

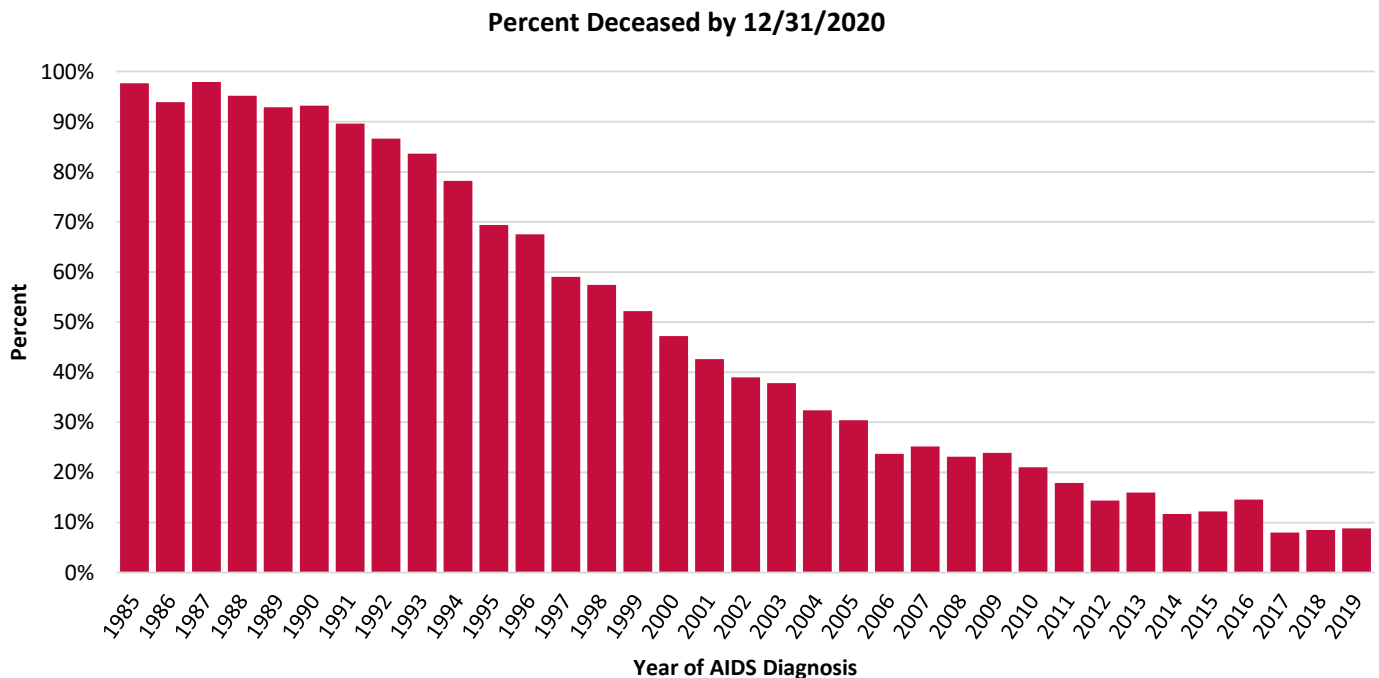
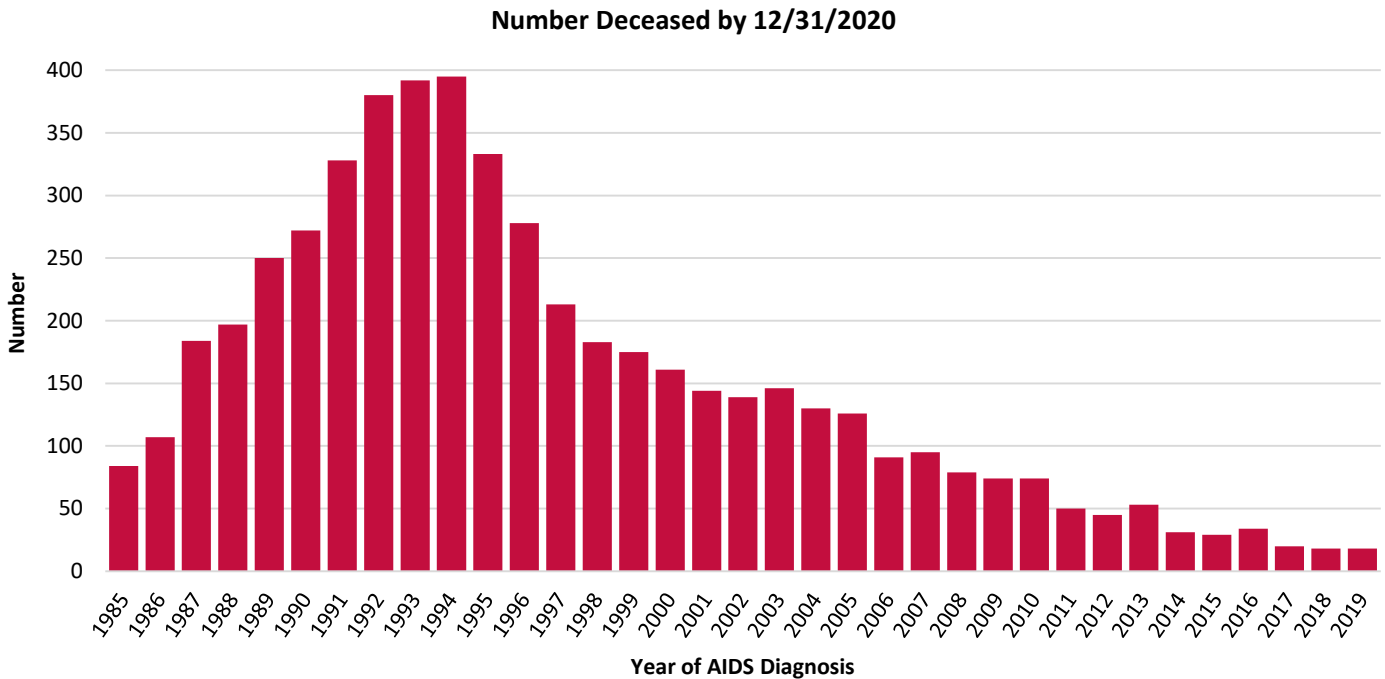


Reported HIV Diagnoses among People Aged 13+

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	115	108	93.9%	7.9	40.9%	40.9%	43.5%	57.4%
1985	204	199	97.5%	5.7	42.2%	43.6%	50.0%	77.5%
1986	270	264	97.8%	4.8	43.3%	44.1%	54.8%	87.0%
1987	365	350	95.9%	3.9	47.7%	48.5%	64.4%	86.6%
1988	417	399	95.7%	3.3	48.7%	53.2%	72.9%	89.0%
1989	490	460	93.9%	3.0	48.8%	51.8%	73.5%	88.6%
1990	508	471	92.7%	3.0	48.4%	55.3%	73.8%	87.2%
1991	573	524	91.4%	2.6	51.7%	60.4%	78.7%	85.9%
1992	513	462	90.1%	3.0	48.5%	56.7%	73.3%	82.5%
1993	439	399	90.9%	2.2	59.9%	65.8%	77.2%	85.6%
1994	413	383	92.7%	2.0	66.6%	71.7%	78.5%	87.4%
1995	422	378	89.6%	2.0	65.4%	70.9%	75.6%	84.8%
1996	405	345	85.2%	2.0	63.0%	64.7%	72.3%	80.5%
1997	416	342	82.2%	2.1	60.3%	63.9%	70.0%	77.4%
1998	396	329	83.1%	2.3	58.3%	62.6%	69.7%	76.8%
1999	444	353	79.5%	1.8	60.1%	64.2%	68.9%	74.5%
2000	447	344	77.0%	2.2	55.0%	58.4%	64.2%	71.6%
2001	427	319	74.7%	2.2	52.9%	55.3%	63.2%	69.1%
2002	459	352	76.7%	1.5	61.0%	64.7%	69.1%	73.0%
2003	533	389	73.0%	1.8	55.3%	57.6%	62.9%	69.0%
2004	586	405	69.1%	1.8	51.5%	54.1%	58.5%	66.2%
2005	589	363	61.6%	1.5	48.0%	50.4%	54.8%	59.8%
2006	641	367	57.3%	1.9	40.6%	43.4%	49.1%	54.3%
2007	784	414	52.8%	1.9	36.6%	38.9%	44.4%	50.3%
2008	712	374	52.5%	1.7	36.4%	39.5%	46.6%	50.7%
2009	629	301	47.9%	1.9	32.9%	35.1%	40.4%	47.2%
2010	644	284	44.1%	1.6	30.9%	33.9%	38.2%	42.9%
2011	567	259	45.7%	1.5	33.0%	36.0%	39.7%	--
2012	534	228	42.7%	1.1	32.8%	35.4%	39.5%	--
2013	577	232	40.2%	0.9	32.8%	34.7%	37.6%	--
2014	545	192	35.2%	1.0	26.2%	28.4%	33.4%	--
2015	538	158	29.4%	0.6	24.9%	26.4%	29.0%	--
2016	479	144	30.1%	0.6	25.1%	26.7%	--	--
2017	498	165	33.1%	0.3	30.3%	31.9%	--	--
2018	448	129	28.8%	0.3	26.6%	28.3%	--	--
2019	418	116	27.8%	0.1	26.6%	--	--	--
Total	17,445	11,301	64.8%	2.2	43.8%	47.1%	54.2%	61.2%

Figure 11 – Trends in Survival Times by Year of AIDS Diagnosis, 1985-2019, Reported through June 30, 2021

Number of People Aged 13+ with Diagnosed HIV, Aged 13+ at HIV Diagnosis, with an AIDS Diagnosis by December 31, 2019 (Reported AIDS Diagnoses), Number of Reported AIDS Diagnosis among People Aged 13+ Reported to Have Died of Any Cause by December 31, 2020 (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, 2020, 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 2019, Reported through June 30, 2021



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	250	92.9%	3.3	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	328	89.6%	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	469	392	83.6%	3.6	72.9%	57.6%	33.7%	25.6%
1994	505	395	78.2%	3.9	75.8%	55.8%	40.8%	30.5%
1995	480	333	69.4%	5.2	75.6%	66.0%	55.6%	44.0%
1996	412	278	67.5%	5.7	80.3%	74.5%	63.3%	47.1%
1997	361	213	59.0%	5.7	81.7%	76.2%	64.5%	54.0%
1998	319	183	57.4%	6.0	85.6%	81.5%	70.5%	55.2%
1999	335	175	52.2%	5.7	84.5%	78.5%	69.9%	58.5%
2000	341	161	47.2%	6.7	91.8%	89.4%	78.9%	64.8%
2001	338	144	42.6%	5.9	87.6%	84.0%	76.6%	68.0%
2002	356	139	39.0%	5.1	89.6%	86.5%	76.7%	69.1%
2003	386	146	37.8%	5.0	89.1%	84.2%	77.2%	70.2%
2004	401	130	32.4%	5.0	90.3%	87.0%	81.0%	74.3%
2005	414	126	30.4%	4.8	90.8%	88.6%	81.4%	75.1%
2006	384	91	23.7%	4.7	93.2%	91.1%	86.5%	79.2%
2007	377	95	25.2%	4.3	91.5%	88.6%	84.6%	78.0%
2008	342	79	23.1%	3.3	90.4%	87.4%	83.3%	78.9%
2009	310	74	23.9%	3.5	90.3%	88.7%	83.5%	78.4%
2010	352	74	21.0%	3.2	92.9%	90.3%	85.2%	79.8%
2011	279	50	17.9%	2.9	94.3%	91.0%	85.7%	--
2012	313	45	14.4%	2.4	92.7%	91.1%	88.8%	--
2013	331	53	16.0%	2.4	93.1%	90.9%	87.3%	--
2014	264	31	11.7%	2.1	95.8%	93.6%	89.4%	--
2015	238	29	12.2%	1.3	92.4%	91.2%	88.7%	--
2016	233	34	14.6%	0.8	89.7%	87.1%	--	--
2017	249	20	8.0%	0.6	94.4%	92.4%	--	--
2018	213	18	8.5%	0.9	94.4%	93.4%	--	--
2019	204	18	8.8%	0.5	92.2%	--	--	--
Total	11,220	5,381	48.0%	4.0	83.4%	75.8%	64.9%	58.0%

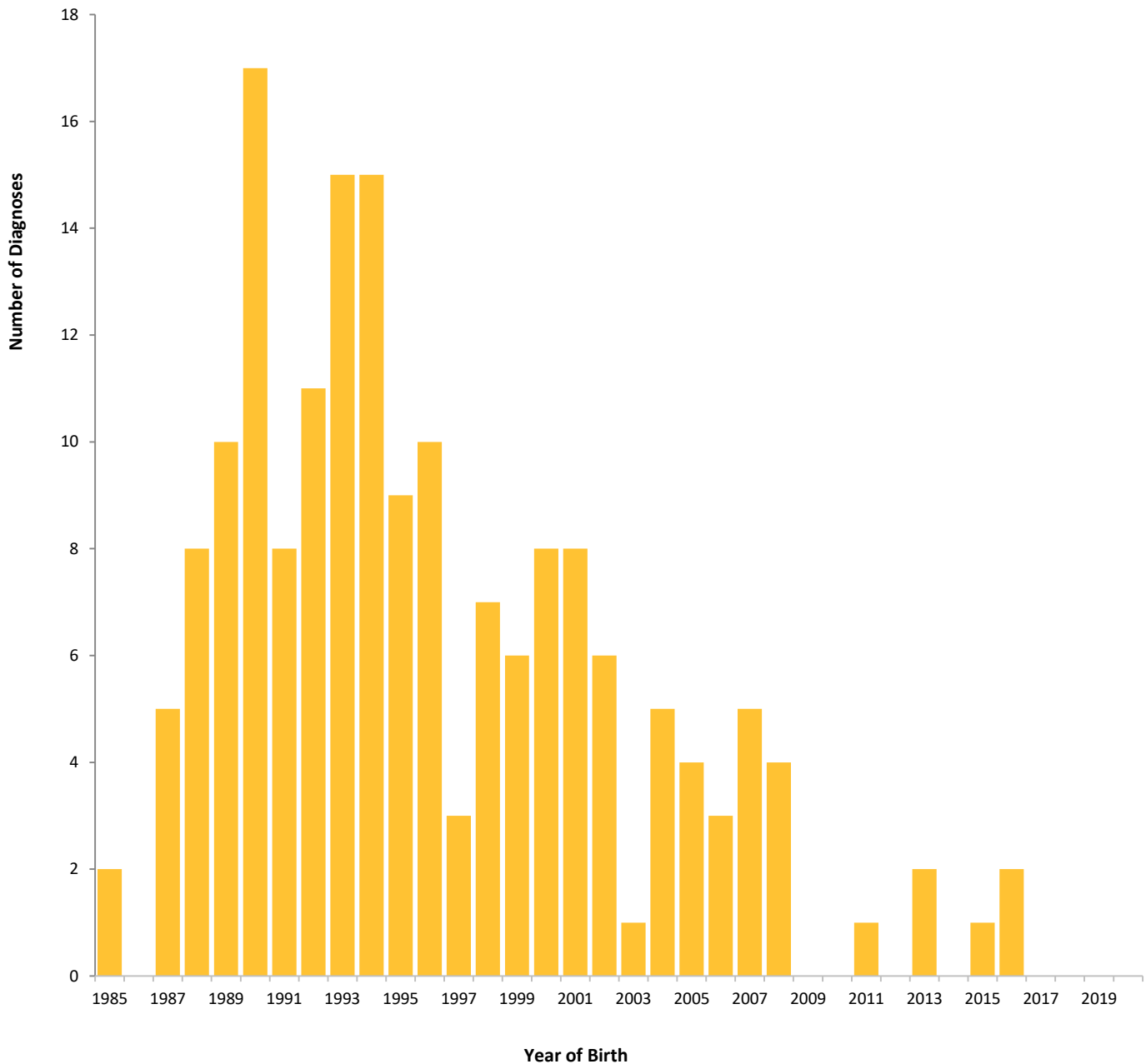
*2019 AIDS deaths are preliminary

Section IX – Pediatrics

Figure 12 – Trends in Reported HIV Diagnoses among People Aged <13, 1985-2020, Reported through June 30, 2021

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 2020, as Reported by Name through June 30, 2021

Pediatric Reported HIV Diagnoses



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	17	12	5	4	32
1991	8	13	7	2	42
1992	11	10	7	2	48
1993	15	8	9	4	50
1994	15	7	4	2	56
1995	9	9	8	5	60
1996	10	13	11	2	69
1997	3	6	5	1	74
1998	7	5	1	3	76
1999	6	10	6	0	85
2000	8	5	3	1	89
2001	8	5	2	2	92
2002	6	10	2	0	102
2003	1	4	1	4	102
2004	5	5	2	2	105
2005	4	7	3	1	111
2006	3	10	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	2	0	0	149
2015	1	0	6	0	149
2016	2	3	2	1	153
2017	0	1	1	0	156
2018	0	1	4	1	156
2019	0	0	2	1	158
2020	0	0	2	1	156
Total	196	195	121	47	--

Table 23 – People Aged <13 Living with Diagnosed HIV, Alive on December 31, 2020, by Jurisdiction of Current Residence, Reported through June 30, 2021

Jurisdiction of Current Residence	Total People Aged <13 Living with Diagnosed HIV	
	No.	% of Total
Montgomery	6	46.2%
Prince George's	7	53.8%
Total	13	100.0%

Table 24 – People Aged <13 Living with Diagnosed HIV, Alive on December 31, 2020, by Sex at Birth and Race/Ethnicity, Reported through June 30, 2021

Demographic Characteristic	Total People Aged <13 Living with Diagnosed HIV	
	No.	% of Total
Sex at Birth		
Male	4	30.8%
Female	9	69.2%
Race/Ethnicity		
Hispanic	2	15.4%
Non-Hispanic	11	84.6%
American Indian/Alaska Native, only	0	0.0%
Asian, only	1	9.1%
Black, only	8	72.7%
Native Hawaiian/Other Pacific Islander, only	0	0.0%
White, only	2	18.2%
Multiracial/Other	0	0.0%
Total	13	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 in Maryland. Does not include local jails and detention centers.

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

Female: A person whose sex assigned at birth is female.

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): People 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.

Male: A person whose sex assigned at birth is male.

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 people 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.

Population: Population estimate for July 1, 2020.

Population Aged 13+: Population age 13 years or older, estimate for July 1, 2020.

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.

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

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

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