

2022

MARYLAND ANNUAL HIV EPIDEMIOLOGICAL PROFILE

Data reported through
June 30, 2023

**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://health.maryland.gov/phpa/OIDEOR/CHSE/SiteAssets/Pages/statistics/Maryland-Annual-HIV-Epidemiological-Profile-2022.pdf>

Additional Information and Reporting Instructions

<https://health.maryland.gov/phpa/OIDEOR/CHSE/Pages/reporting-material.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 2022, there were 751 reported HIV diagnoses in Maryland. Data presented below describe HIV diagnoses in Maryland, among people aged 13 years and older, during 2022.

- Geographic distribution: Prince George’s County accounted for the highest number (258, 34.4%) of HIV diagnoses. The rate was highest in Baltimore City (32.6).
- Age: People aged 20-39 years accounted for the highest number (486, 64.2%) of HIV diagnoses and the highest rate (30.0).
- Assigned Sex at Birth: Males accounted for the highest number (563, 75.0%) of HIV diagnoses. The rate among males was 22.4 and 7.0 among females.
- Race/Ethnicity: Non-Hispanic Black people accounted for the highest number of HIV diagnoses (528, 70.3%) and the highest rate (33.3).
- Exposure Category: Male-to-male sexual contact accounted for the highest number (416, 55.3%) of HIV diagnoses.

People Living with Diagnosed HIV

At the end of 2022, there were 31,616 people living with diagnosed HIV in Maryland. Data presented below describe people living with diagnosed HIV, aged 13 years and older, in Maryland.

- Geographic distribution: Baltimore City accounted for the highest number (9,971, 31.5%) of people living with diagnosed HIV and the highest rate (2,054.3).
- Age: People aged 50+ years accounted for the highest number (17,080, 54.0%) of people living with diagnosed HIV and the highest rate (751.2).
- Assigned Sex at Birth: Males accounted for the highest number (20,949, 66.3%) of people living with diagnosed HIV. The rate among males was 832.9 and 395.7 among females.
- Race/Ethnicity: Non-Hispanic Black people accounted for the highest number (23,470, 74.2%) of the people living with diagnosed HIV and the highest rate (1,481.5).
- Exposure Category: Male-to-male sexual contact accounted for the highest number (13,050, 41.3%) of the total people living with diagnosed HIV.

Engagement in HIV Care

- HIV diagnosed: Among people living with HIV in Maryland, it is estimated that 90.9 percent have been diagnosed and an estimated 3,165 people with HIV remain undiagnosed.
- Linked to care: During 2022, 85.0 percent of reported HIV diagnoses were linked to HIV care within one month of their HIV diagnosis.
- Retained in care: Among people living with HIV, 72.8 percent were retained in care during 2022.
- Viral suppression: In 2022, 58.9 percent of people living with HIV achieved viral suppression.

Technical Notes

HIV 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 babies 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

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

- Current Residence estimates are restricted to people for which there is a case report form or laboratory test reported since January 1, 2013 (as opposed to January 1, 2009, which was used in prior profiles). Moving forward, current residents will describe persons reported to be residents of Maryland on the most recent report received in the ten years prior to the data reported through date.
- Tables 6-9 now include additional alternate age categories.
- Tables 17 and 19 have been added displaying data using alternate age categories.

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 2022 and for people who were living with HIV and were current residents of Maryland as of December 31, 2022.

Data presented were reported to the MDH through June 30, 2023. Reported new diagnoses and estimates of people living with diagnosed HIV are as of December 31, 2022.

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.

COVID-19 and HIV Surveillance Data

Data for 2020 and 2021 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.

- Declines in HIV diagnoses might not represent declines in new HIV transmissions, 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.

Undiagnosed HIV

The Centers for Disease Control and Prevention (CDC), using national surveillance data, estimates that the number of people living with undiagnosed HIV, among people living with HIV, is 12.7 percent in the United States.¹ Applying the same estimation method to Maryland surveillance data, the estimated number of

people living with undiagnosed HIV in Maryland is 9.1 percent in 2021.

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 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. Estimates 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, 2013. 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 in the last 10 years. 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. Current residence assignments are constantly updated as new information becomes available and represent the best information available at the time of the estimate.

Not all historical address data has been geocoded and therefore is preliminary. Geocoding is the process of assigning geographic identifiers to map features and data records. Addresses are standard data elements required by law and submitted as part of reporting requirements; however, the information may be incomplete which then requires a geocoding process to improve the quality of data.

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

Historically, it has been difficult to present data by gender. No reliable system exists for collecting or reporting gender identity and some agencies do not collect or have complete data on gender. This report is likely underreporting the number gender diverse people living with diagnosed HIV because of challenges in accurately identifying and reporting gender in HIV surveillance.

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.

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. In this report, Hispanic/Latino people can be of any race.

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 people 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. People with more than one reported risk factor are classified in the exposure category listed first in the hierarchy and counted only once. Men who report a history of sexual contact with other men and report injection drug use constitutes a separate transmission category. Transmission categories are listed in hierarchical order throughout the tables included in this profile.

Sources of Data

Information on HIV and AIDS diagnoses, including residence, age, race/ethnicity, assigned 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, 2023.

Population data by assigned sex at birth, age, and race/ethnicity are from the July 1, 2022 United States Census Estimates. Population data by country-of-birth are from the Census Bureau's 2021 American Community

Survey. This produces a difference in total population due to a 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 races and Non-Hispanic another 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

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. Rates for populations under 10,000 people are not considered when determining groups or jurisdictions with the highest rates of HIV.

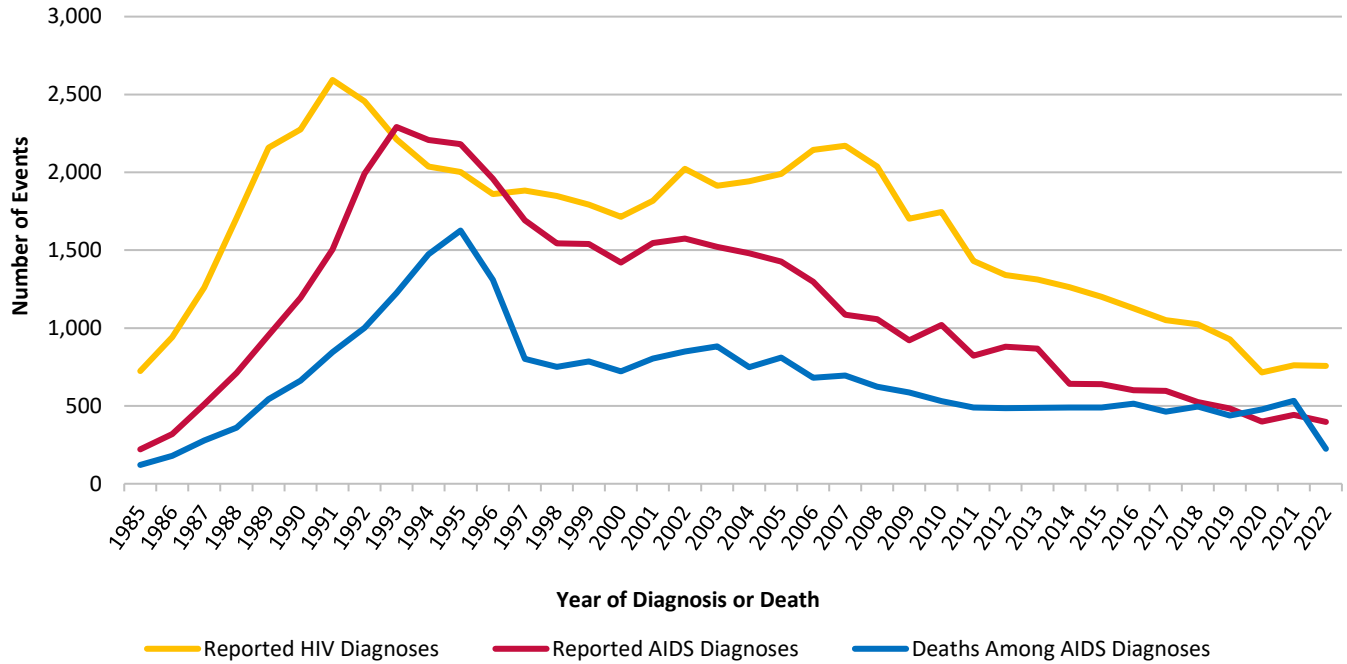
Multiple Imputation

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 number.

Section II – Trends 1985-2022

Figure 1 – Trends in HIV and AIDS Diagnoses and Deaths, among Residents at Diagnosis, 1985-2022, Reported through June 30, 2023

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 Deaths) by Year of Death, from 1985 through 2022, as Reported through June 30, 2023

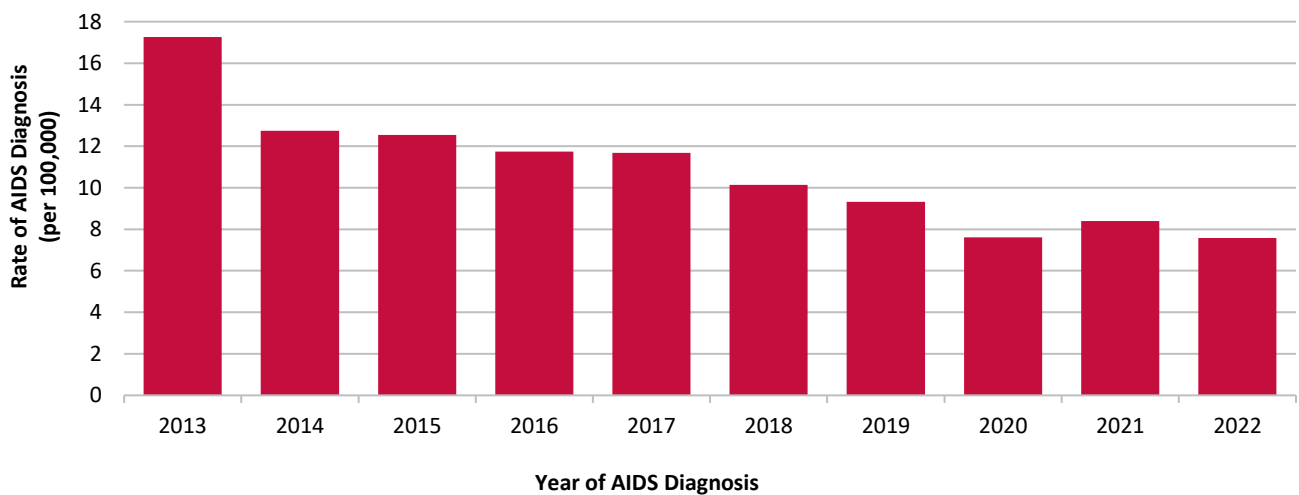
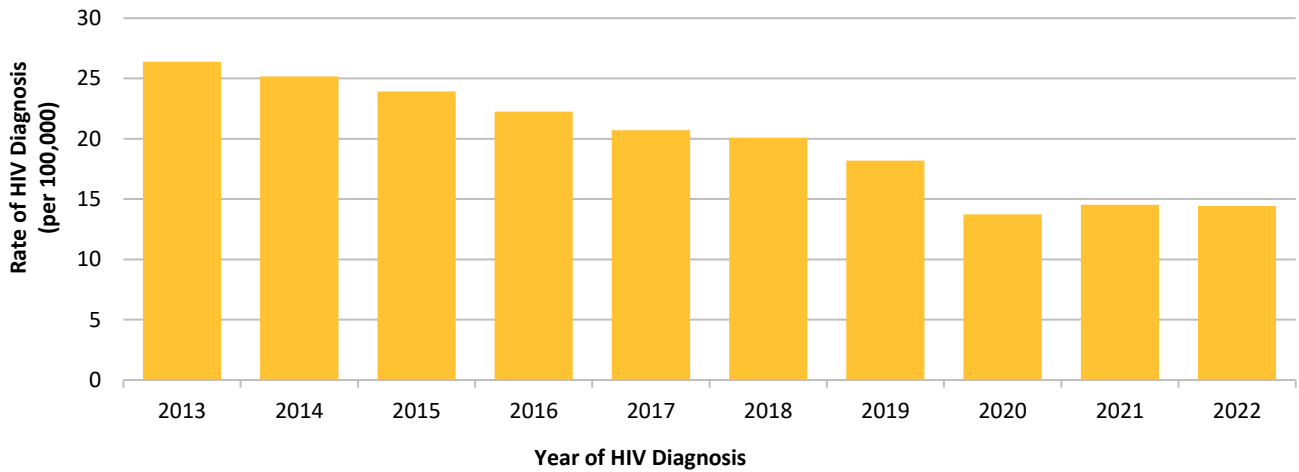


Year of Diagnosis or Death	HIV Diagnoses	AIDS Diagnoses	Deaths Among AIDS Diagnoses	Year of Diagnosis or Death	HIV Diagnoses	AIDS Diagnoses	Deaths Among AIDS Diagnoses
<1985	386	150	72	2004	1,943	1,480	749
1985	724	221	121	2005	1,990	1,426	811
1986	942	320	180	2006	2,143	1,298	681
1987	1,260	510	278	2007	2,170	1,085	695
1988	1,707	712	360	2008	2,038	1,056	624
1989	2,159	955	544	2009	1,703	921	587
1990	2,275	1,194	662	2010	1,745	1,019	531
1991	2,593	1,504	845	2011	1,430	823	490
1992	2,457	1,991	1,002	2012	1,341	881	485
1993	2,212	2,291	1,226	2013	1,312	867	487
1994	2,037	2,208	1,473	2014	1,263	641	489
1995	2,002	2,181	1,626	2015	1,201	639	490
1996	1,860	1,958	1,310	2016	1,126	600	514
1997	1,882	1,691	801	2017	1,051	596	463
1998	1,849	1,543	751	2018	1,023	524	495
1999	1,793	1,539	785	2019	927	483	439
2000	1,715	1,421	722	2020	715	399	478
2001	1,818	1,546	804	2021*	760	442	533
2002	2,023	1,575	849	2022*	757	398	225
2003	1,914	1,521	883	Total	62,246	42,609	25,560

*2021-2022 reported deaths among AIDS diagnoses are preliminary.

Figure 1A – Trends in Rates of HIV and AIDS Diagnoses, among Residents at Diagnosis Aged 13+, 2013-2022, Reported through June 30, 2023

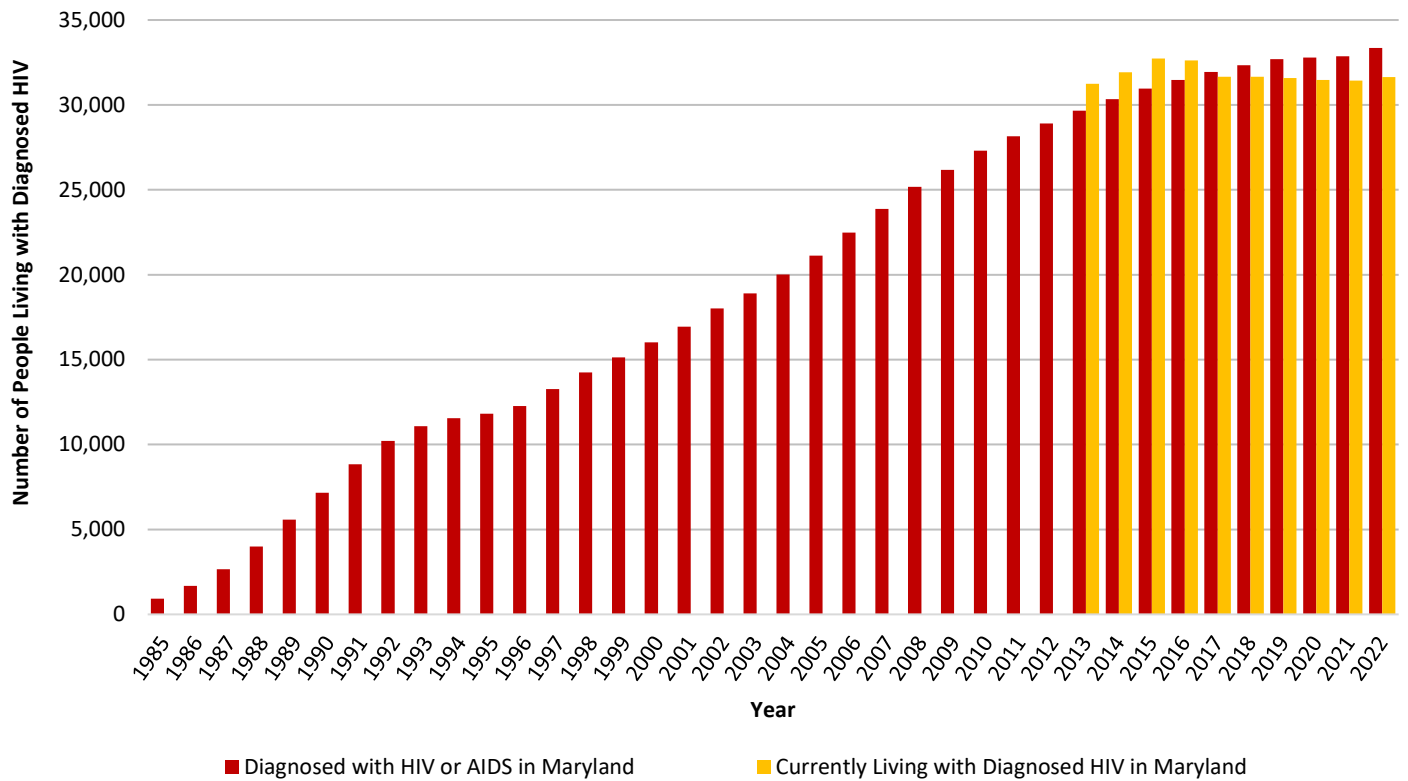
Rates of Reported HIV and AIDS Diagnoses, Aged 13+ at HIV Diagnosis, by Year of HIV Diagnosis from 2013 through 2022, as Reported through June 30, 2023



Year of Diagnosis	Population Aged 13+	Diagnoses among People Aged 13+			
		HIV Diagnoses		AIDS Diagnoses	
		Number	Rate	Number	Rate
2013	4,961,211	1,309	26.4	856	17.3
2014	4,992,540	1,257	25.2	636	12.7
2015	5,021,929	1,201	23.9	630	12.5
2016	5,040,917	1,122	22.3	592	11.7
2017	5,063,009	1,048	20.7	591	11.7
2018	5,078,738	1,019	20.1	515	10.1
2019	5,093,122	927	18.2	475	9.3
2020	5,200,265	714	13.7	396	7.6
2021	5,212,954	758	14.5	438	8.4
2022	5,211,065	751	14.4	395	7.6

Figure 2 – Trends in People Living with Diagnosed HIV, among Residents at Diagnosis, 1985-2022, Reported through June 30, 2023

People Living with Diagnosed HIV in Maryland and Not Reported to have Died as of December 31st of Each Year (People who were Diagnosed with HIV or AIDS Maryland and/or People who are Currently Living with Diagnosed HIV in Maryland) from 1985 through 2022, as Reported through June 30, 2023

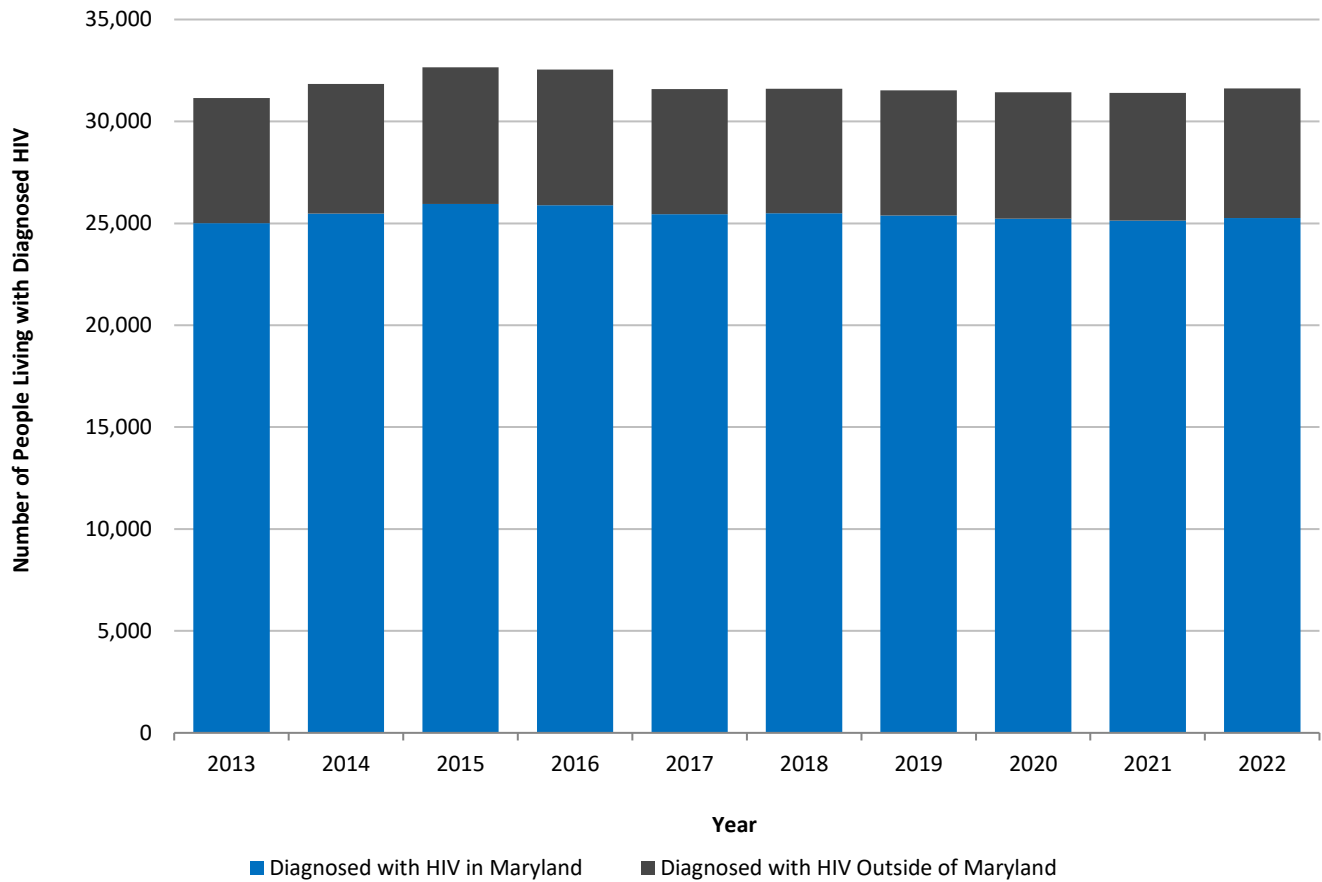


Year	People Living with Diagnosed HIV		Year	People Living with Diagnosed HIV	
	Diagnosed with HIV or AIDS in Maryland	Current Residents		Diagnosed with HIV or AIDS in Maryland	Current Residents
1985	918	--	2004	20,019	--
1986	1,676	--	2005	21,130	--
1987	2,661	--	2006	22,490	--
1988	3,992	--	2007	23,878	--
1989	5,575	--	2008	25,180	--
1990	7,159	--	2009	26,179	--
1991	8,843	--	2010	27,304	--
1992	10,213	--	2011	28,160	--
1993	11,080	--	2012	28,912	--
1994	11,544	--	2013	29,652	31,245
1995	11,818	--	2014	30,343	31,931
1996	12,270	--	2015	30,966	32,724
1997	13,261	--	2016	31,473	32,629
1998	14,249	--	2017	31,941	31,659
1999	15,129	--	2018	32,340	31,660
2000	16,023	--	2019	32,696	31,580
2001	16,938	--	2020	32,791	31,473
2002	18,009	--	2021	32,865	31,430
2003	18,908	--	2022	33,364	31,648

Note. Current residents are people reported to be residents of Maryland in the ten years prior to the data reported through date.

Figure 3 – Trends in People Aged 13+ Living with Diagnosed HIV, among Current Residents, 2013-2022, Reported through June 30, 2023

People Living with Diagnosed HIV in Maryland and Not Reported to have Died as of December 31st of Each Year from 2013 through 2022, as Reported through June 30, 2023

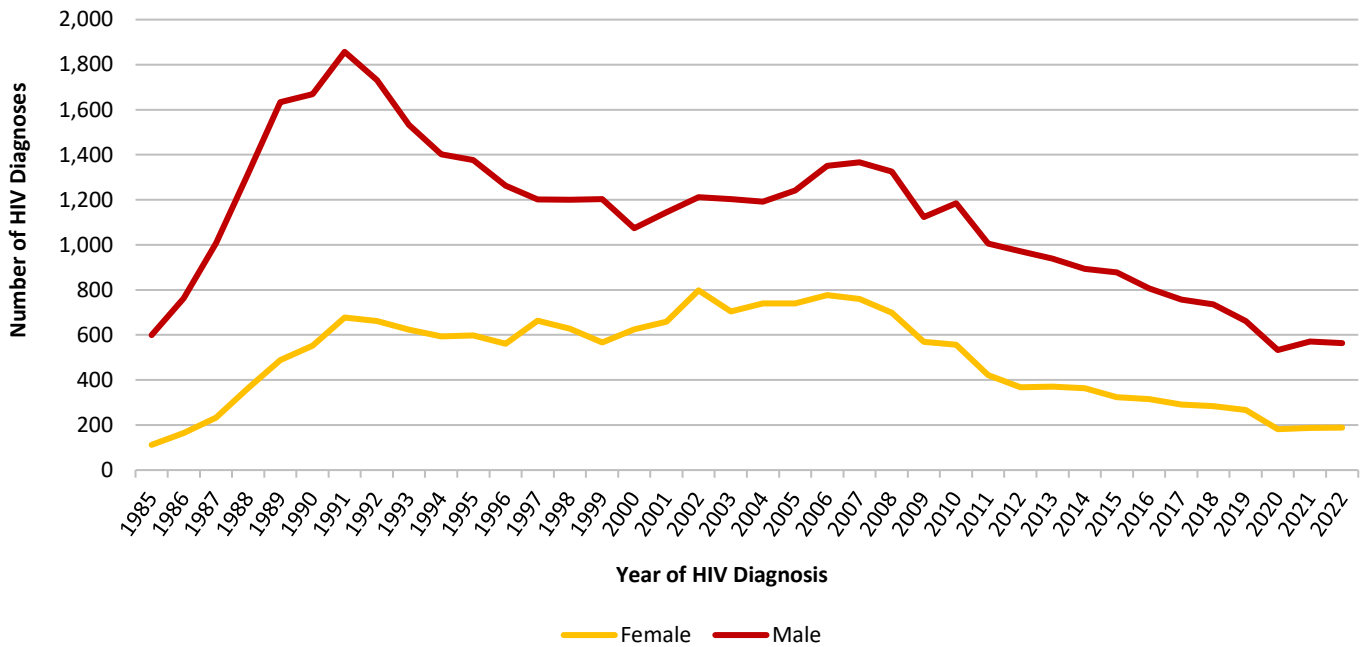


Year	Population Aged 13+	Maryland Residents Aged 13+ as of December 31st of the Specified Year		Total	Rate
		Diagnosed with HIV in Maryland	Diagnosed with HIV Outside of Maryland		
2013	4,961,211	25,010	6,137	31,147	627.8
2014	4,992,540	25,479	6,363	31,842	637.8
2015	5,021,929	25,947	6,701	32,648	650.1
2016	5,040,917	25,881	6,667	32,548	645.7
2017	5,063,009	25,447	6,138	31,585	623.8
2018	5,078,738	25,497	6,100	31,597	622.1
2019	5,093,122	25,378	6,151	31,529	619.1
2020	5,200,265	25,235	6,195	31,430	604.4
2021	5,212,954	25,133	6,263	31,396	602.3
2022	5,211,065	25,253	6,363	31,616	606.7

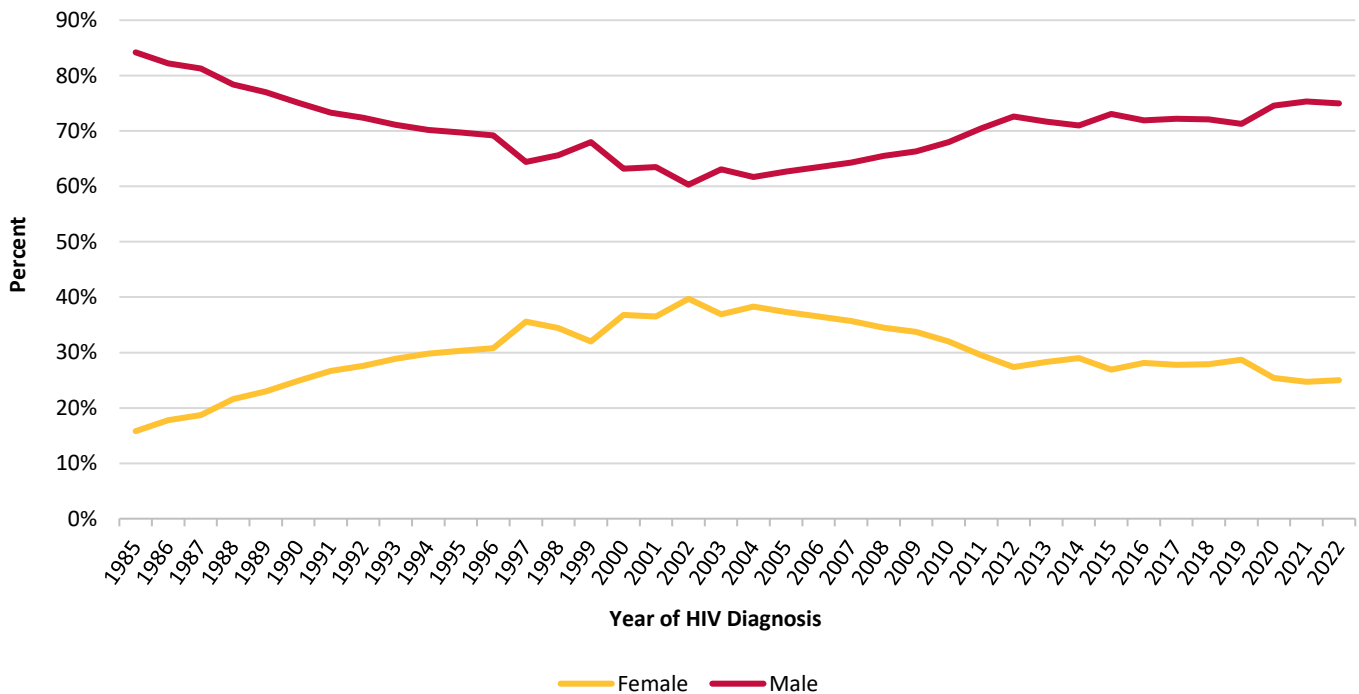
Figure 4 – Trends in HIV Diagnoses, among Residents at Diagnosis Aged 13+, by Assigned Sex at Birth, 1985-2022, Reported through June 30, 2023

Number and Percent by Assigned Sex at Birth of People Diagnosed with HIV, Aged 13+ at HIV Diagnosis, by Year of HIV Diagnosis from 1985 through 2022, as Reported through June 30, 2023

HIV Diagnoses Among People Aged 13+ by Assigned Sex at Birth, 1985-2022, Reported through June 30, 2023



HIV Diagnoses Among People Aged 13+ by Assigned Sex at Birth, 1985-2022, Reported through June 30, 2023

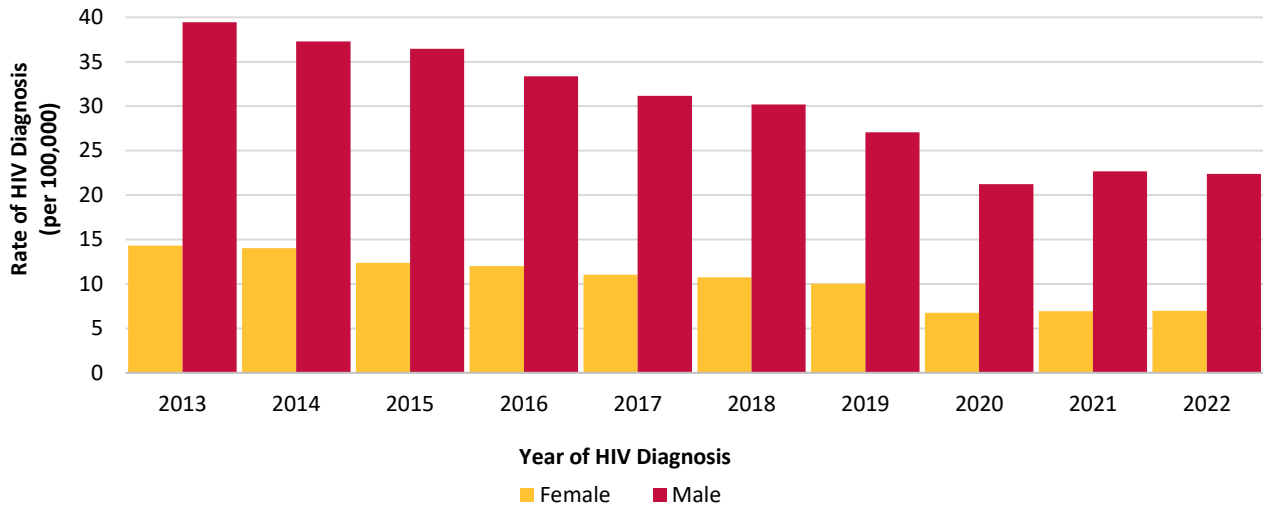


HIV Diagnoses among People Aged 13+

Year of HIV Diagnosis	Number	Assigned Sex at Birth			
		Female		Male	
		Number	Percent	Number	Percent
<1985	381	43	11.3%	338	88.7%
1985	711	112	15.8%	599	84.2%
1986	927	165	17.8%	762	82.2%
1987	1,239	232	18.7%	1,007	81.3%
1988	1,678	363	21.6%	1,315	78.4%
1989	2,122	489	23.0%	1,633	77.0%
1990	2,221	552	24.9%	1,669	75.1%
1991	2,535	678	26.7%	1,857	73.3%
1992	2,392	661	27.6%	1,731	72.4%
1993	2,156	624	28.9%	1,532	71.1%
1994	1,996	594	29.8%	1,402	70.2%
1995	1,974	598	30.3%	1,376	69.7%
1996	1,824	561	30.8%	1,263	69.2%
1997	1,864	663	35.6%	1,201	64.4%
1998	1,828	628	34.4%	1,200	65.6%
1999	1,769	566	32.0%	1,203	68.0%
2000	1,699	625	36.8%	1,074	63.2%
2001	1,804	659	36.5%	1,145	63.5%
2002	2,009	798	39.7%	1,211	60.3%
2003	1,908	705	36.9%	1,203	63.1%
2004	1,932	740	38.3%	1,192	61.7%
2005	1,982	740	37.3%	1,242	62.7%
2006	2,128	777	36.5%	1,351	63.5%
2007	2,127	760	35.7%	1,367	64.3%
2008	2,023	698	34.5%	1,325	65.5%
2009	1,693	570	33.7%	1,123	66.3%
2010	1,742	557	32.0%	1,185	68.0%
2011	1,427	421	29.5%	1,006	70.5%
2012	1,338	367	27.4%	971	72.6%
2013	1,309	370	28.3%	939	71.7%
2014	1,257	364	29.0%	893	71.0%
2015	1,201	323	26.9%	878	73.1%
2016	1,122	315	28.1%	807	71.9%
2017	1,048	291	27.8%	757	72.2%
2018	1,019	284	27.9%	735	72.1%
2019	927	266	28.7%	661	71.3%
2020	714	181	25.4%	533	74.6%
2021	758	187	24.7%	571	75.3%
2022	751	188	25.0%	563	75.0%
Total	61,535	18,715	30.4%	42,820	69.6%

Figure 4A – Trends in Rates of HIV Diagnoses, among Residents at Diagnosis Aged 13+, by Assigned Sex at Birth, 2013-2022, Reported through June 30, 2023

Rate by Assigned Sex at Birth of People Diagnosed with HIV, Aged 13+ at HIV Diagnosis, by Year of HIV Diagnosis from 2013 through 2022, as Reported through June 30, 2023

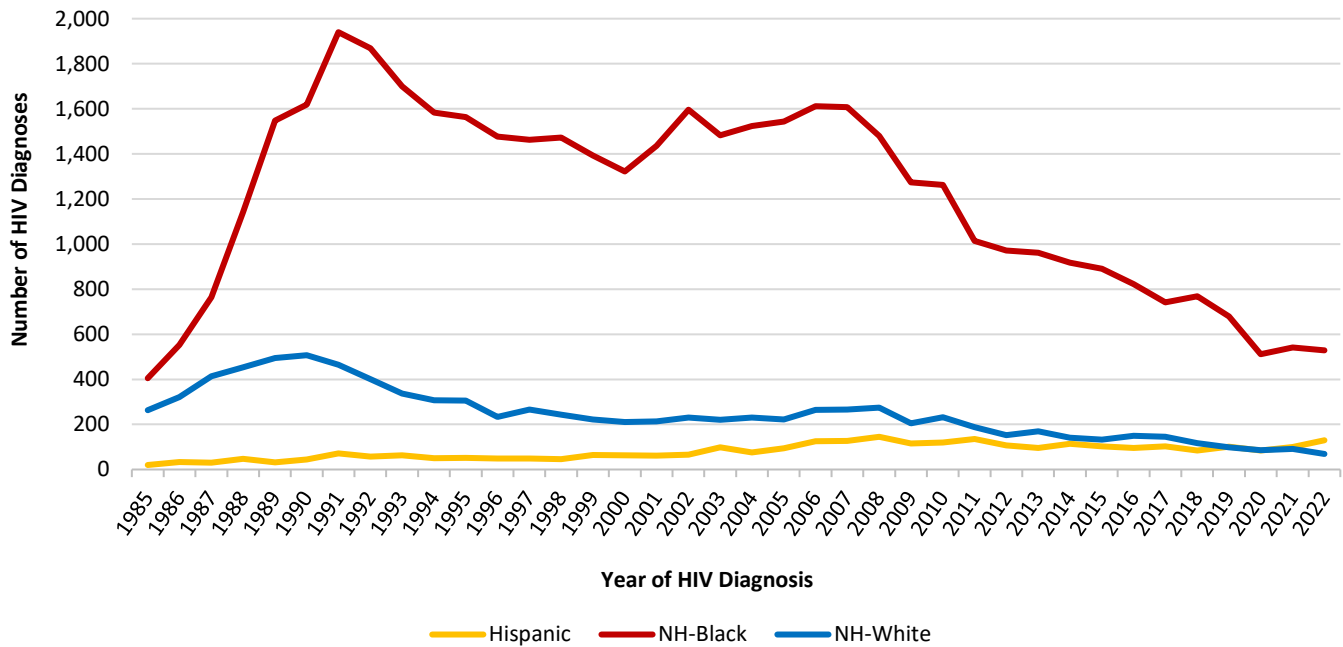


Year of HIV Diagnosis	Number of HIV Diagnoses		Assigned Sex at Birth	
			Female	Male
2013	1,309	Population	2,581,909	2,379,302
		Reported Diagnoses	370	939
		Rate	14.3	39.5
2014	1,257	Population	2,598,261	2,394,279
		Reported Diagnoses	364	893
		Rate	14.0	37.3
2015	1,201	Population	2,612,888	2,409,041
		Reported Diagnoses	323	878
		Rate	12.4	36.4
2016	1,122	Population	2,622,161	2,418,756
		Reported Diagnoses	315	807
		Rate	12.0	33.4
2017	1,048	Population	2,633,890	2,429,119
		Reported Diagnoses	291	757
		Rate	11.0	31.2
2018	1,019	Population	2,643,191	2,435,546
		Reported Diagnoses	284	735
		Rate	10.7	30.2
2019	927	Population	2,651,301	2,441,821
		Reported Diagnoses	266	661
		Rate	10.0	27.1
2020	714	Population	2,687,661	2,512,604
		Reported Diagnoses	181	533
		Rate	6.7	21.2
2021	758	Population	2,695,016	2,517,938
		Reported Diagnoses	187	571
		Rate	6.9	22.7
2022	751	Population	2,695,803	2,515,263
		Reported Diagnoses	188	563
		Rate	7.0	22.4

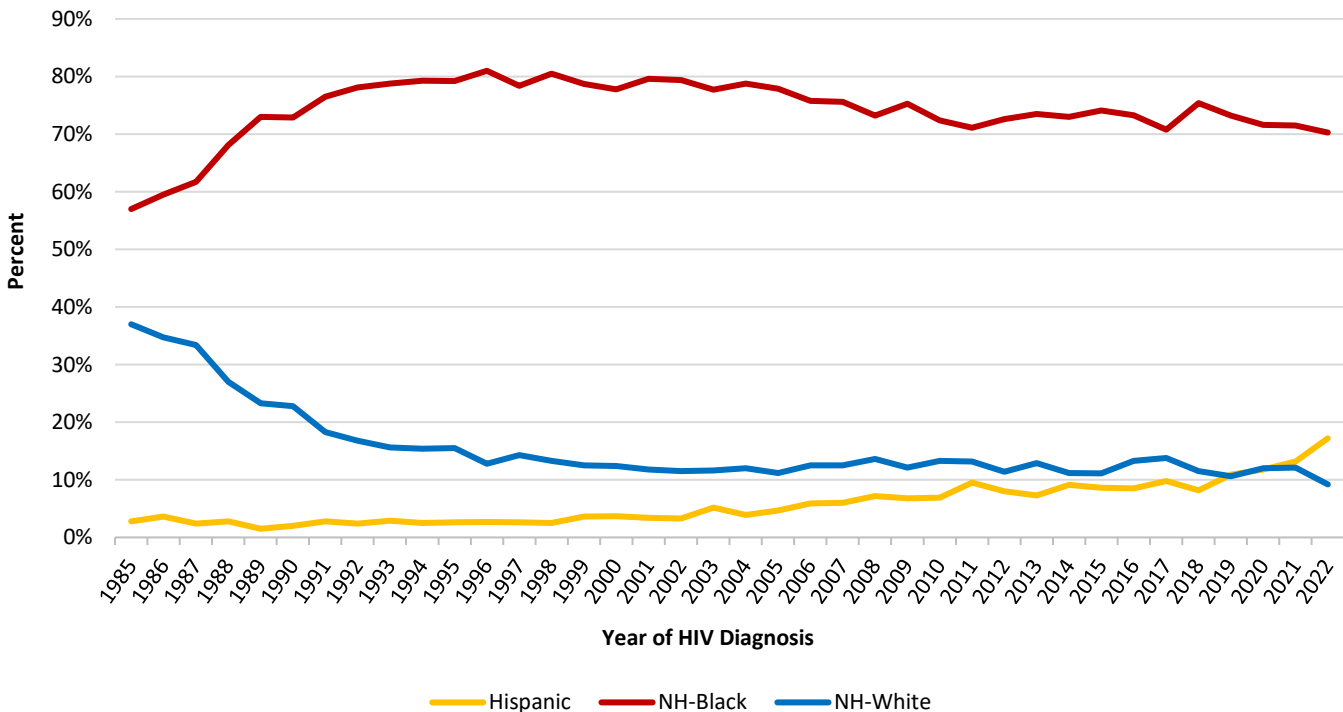
Figure 5 – Trends in HIV Diagnoses, among Residents at Diagnosis Aged 13+, by Race/Ethnicity, 1985-2022, Reported through June 30, 2023

Number and Percent by Race/Ethnicity of People Diagnosed with HIV, Aged 13+ at HIV Diagnosis, by Year of HIV Diagnosis from 1985 through 2022, as Reported through June 30, 2023

HIV Diagnoses Among People Aged 13+ by Race/Ethnicity, 1985-2022, Reported through June 30, 2023



HIV Diagnoses Among People Aged 13+ by Race/Ethnicity, 1985-2022, Reported through June 30, 2023



NH: Non-Hispanic

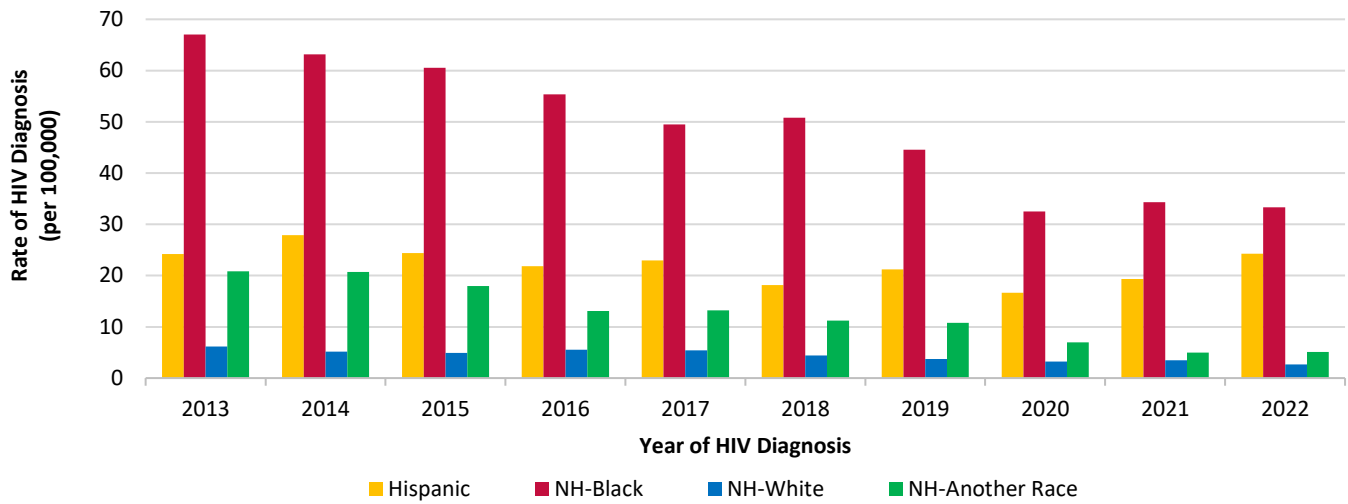
NH-Asian, NH-American Indian, NH-Native Hawaiian/Other Pacific Islander, NH-Multiracial/Another Race not shown

HIV Diagnoses among People Aged 13+

Year of HIV Diagnosis	No.	Race/Ethnicity							
		Hispanic		Non-Hispanic Black, only		Non-Hispanic White, only		Non-Hispanic Another Race	
		No.	%	No.	%	No.	%	No.	%
<1985	381	11	2.9%	215	56.4%	142	37.3%	13	3.4%
1985	711	20	2.8%	405	57.0%	263	37.0%	23	3.2%
1986	927	33	3.6%	552	59.5%	322	34.7%	20	2.2%
1987	1,239	30	2.4%	764	61.7%	414	33.4%	31	2.5%
1988	1,678	47	2.8%	1,142	68.1%	453	27.0%	36	2.1%
1989	2,122	32	1.5%	1,548	73.0%	495	23.3%	47	2.2%
1990	2,221	44	2.0%	1,619	72.9%	507	22.8%	51	2.3%
1991	2,535	71	2.8%	1,940	76.5%	465	18.3%	59	2.3%
1992	2,392	57	2.4%	1,869	78.1%	401	16.8%	65	2.7%
1993	2,156	63	2.9%	1,700	78.8%	337	15.6%	56	2.6%
1994	1,996	50	2.5%	1,583	79.3%	307	15.4%	56	2.8%
1995	1,974	51	2.6%	1,563	79.2%	306	15.5%	54	2.7%
1996	1,824	49	2.7%	1,477	81.0%	233	12.8%	65	3.6%
1997	1,864	49	2.6%	1,462	78.4%	266	14.3%	87	4.7%
1998	1,828	46	2.5%	1,472	80.5%	243	13.3%	67	3.7%
1999	1,769	64	3.6%	1,393	78.7%	222	12.5%	90	5.1%
2000	1,699	63	3.7%	1,322	77.8%	210	12.4%	104	6.1%
2001	1,804	62	3.4%	1,436	79.6%	213	11.8%	93	5.2%
2002	2,009	66	3.3%	1,596	79.4%	231	11.5%	116	5.8%
2003	1,908	99	5.2%	1,483	77.7%	221	11.6%	105	5.5%
2004	1,932	76	3.9%	1,523	78.8%	231	12.0%	102	5.3%
2005	1,982	94	4.7%	1,544	77.9%	222	11.2%	122	6.2%
2006	2,128	126	5.9%	1,612	75.8%	265	12.5%	125	5.9%
2007	2,127	127	6.0%	1,607	75.6%	266	12.5%	127	6.0%
2008	2,023	145	7.2%	1,480	73.2%	275	13.6%	123	6.1%
2009	1,693	115	6.8%	1,274	75.3%	205	12.1%	99	5.8%
2010	1,742	120	6.9%	1,262	72.4%	232	13.3%	128	7.3%
2011	1,427	135	9.5%	1,014	71.1%	188	13.2%	90	6.3%
2012	1,338	107	8.0%	972	72.6%	153	11.4%	106	7.9%
2013	1,309	96	7.3%	962	73.5%	169	12.9%	82	6.3%
2014	1,257	114	9.1%	918	73.0%	141	11.2%	84	6.7%
2015	1,201	103	8.6%	890	74.1%	133	11.1%	75	6.2%
2016	1,122	95	8.5%	822	73.3%	149	13.3%	56	5.0%
2017	1,048	103	9.8%	742	70.8%	145	13.8%	58	5.5%
2018	1,019	84	8.2%	768	75.4%	117	11.5%	50	4.9%
2019	927	101	10.9%	679	73.2%	98	10.6%	49	5.3%
2020	714	84	11.8%	511	71.6%	86	12.0%	33	4.6%
2021	758	100	13.2%	542	71.5%	92	12.1%	24	3.2%
2022	751	129	17.2%	528	70.3%	69	9.2%	25	3.3%
Total	61,535	3,061	5.0%	46,191	75.1%	9,487	15.4%	2,796	4.5%

Figure 5A – Trends in Rates of HIV Diagnoses, among Residents at Diagnosis Aged 13+, by Race/Ethnicity, 2013-2022, Reported through June 30, 2023

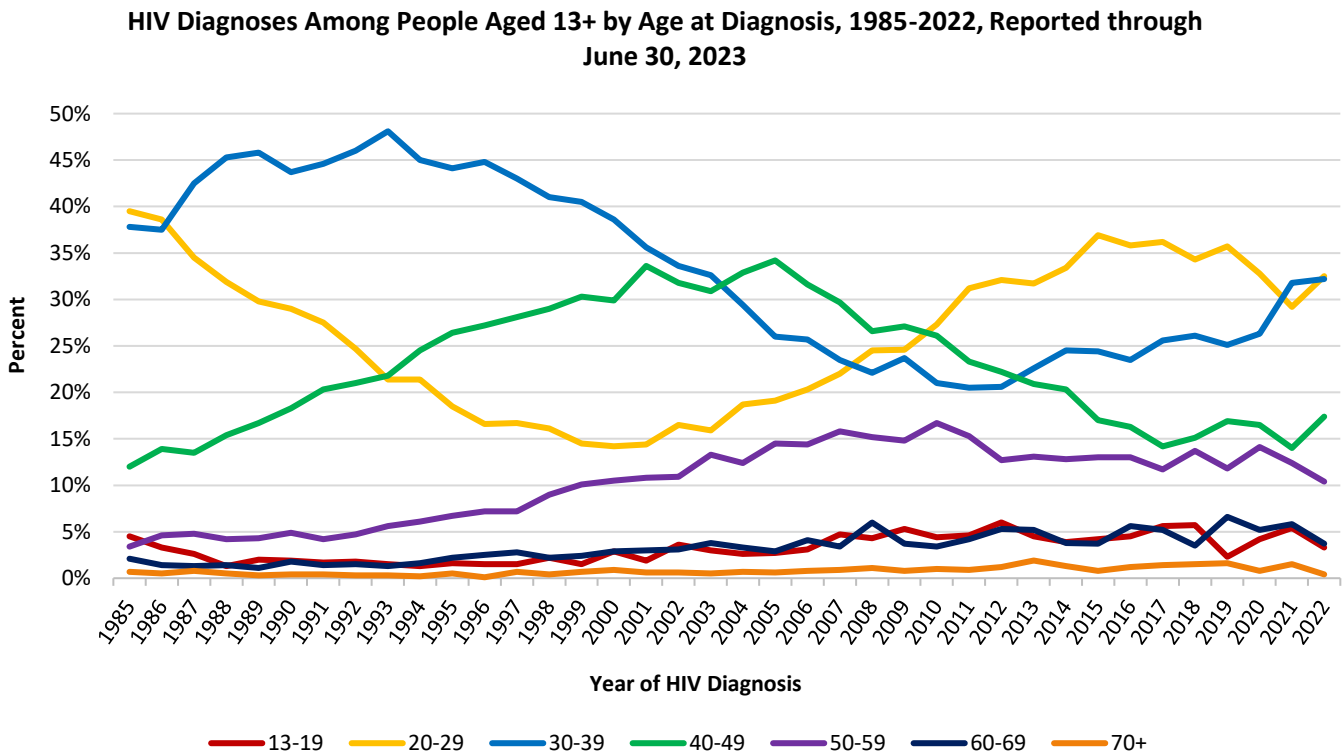
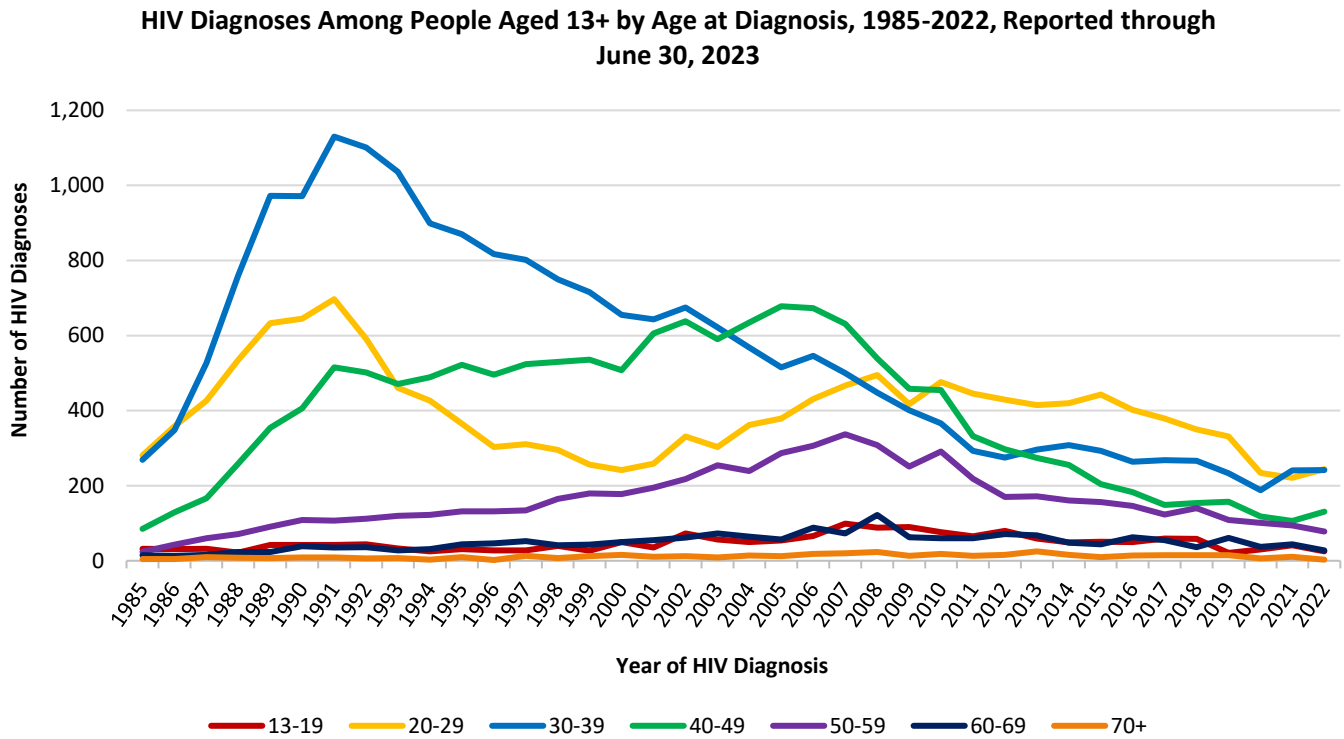
Rate by Race/Ethnicity of People Diagnosed with HIV, Aged 13+ at HIV Diagnosis, by Year of HIV Diagnosis from 2013 through 2022, as Reported through June 30, 2023



Year of HIV Diagnosis	Number of HIV Diagnoses		Race/Ethnicity			
			Hispanic	Non-Hispanic Black	Non-Hispanic White	Non-Hispanic Another Race
2013	1,309	Population	396,380	1,435,641	2,735,584	393,606
		Diagnoses	96	962	169	82
		Rate	24.2	67.0	6.2	20.8
2014	1,257	Population	408,930	1,453,048	2,725,445	405,117
		Diagnoses	114	918	141	84
		Rate	27.9	63.2	5.2	20.7
2015	1,201	Population	422,337	1,470,497	2,711,626	417,470
		Diagnoses	103	890	133	75
		Rate	24.4	60.5	4.9	18.0
2016	1,122	Population	435,049	1,484,080	2,694,390	427,398
		Diagnoses	95	822	149	56
		Rate	21.8	55.4	5.5	13.1
2017	1,048	Population	448,948	1,498,932	2,676,865	438,264
		Diagnoses	103	742	145	58
		Rate	22.9	49.5	5.4	13.2
2018	1,019	Population	463,031	1,511,026	2,658,661	446,020
		Diagnoses	84	768	117	50
		Rate	18.1	50.8	4.4	11.2
2019	927	Population	475,671	1,523,333	2,639,640	454,478
		Diagnoses	101	679	98	49
		Rate	21.2	44.6	3.7	10.8
2020	714	Population	505,304	1,570,773	2,652,505	471,684
		Diagnoses	84	511	86	33
		Rate	16.6	32.5	3.2	7.0
2021	758	Population	517,438	1,579,663	2,634,940	480,914
		Diagnoses	100	542	92	24
		Rate	19.3	34.3	3.5	5.0
2022	751	Population	531,482	1,584,199	2,605,702	489,682
		Diagnoses	129	528	69	25
		Rate	24.3	33.3	2.6	5.1

Figure 6 – Trends in HIV Diagnoses, among Residents at Diagnosis Aged 13+, by Age at HIV Diagnosis, 1985-2022, Reported through June 30, 2023

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 2022, as Reported through June 30, 2023

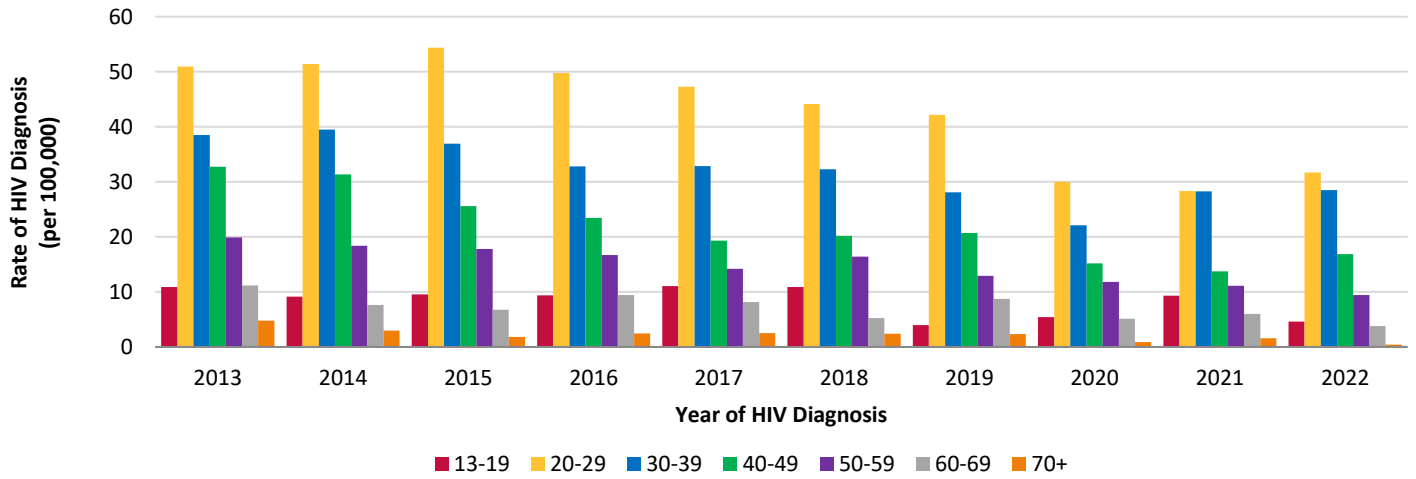


HIV Diagnoses among People Aged 13+

Year of HIV Diagnosis	No.	Age at HIV Diagnosis													
		13-19		20-29		30-39		40-49		50-59		60-69		70+	
		No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
<1985	381	33	8.7%	157	41.2%	114	29.9%	54	14.2%	19	5.0%	3	0.8%	1	0.3%
1985	711	32	4.5%	281	39.5%	269	37.8%	85	12.0%	24	3.4%	15	2.1%	5	0.7%
1986	927	31	3.3%	358	38.6%	348	37.5%	129	13.9%	43	4.6%	13	1.4%	5	0.5%
1987	1,239	32	2.6%	427	34.5%	527	42.5%	167	13.5%	60	4.8%	16	1.3%	10	0.8%
1988	1,678	22	1.3%	535	31.9%	760	45.3%	259	15.4%	71	4.2%	23	1.4%	8	0.5%
1989	2,122	42	2.0%	633	29.8%	972	45.8%	354	16.7%	91	4.3%	23	1.1%	7	0.3%
1990	2,221	42	1.9%	645	29.0%	971	43.7%	406	18.3%	109	4.9%	39	1.8%	9	0.4%
1991	2,535	42	1.7%	697	27.5%	1,130	44.6%	515	20.3%	107	4.2%	35	1.4%	9	0.4%
1992	2,392	44	1.8%	591	24.7%	1,101	46.0%	502	21.0%	112	4.7%	36	1.5%	6	0.3%
1993	2,156	33	1.5%	461	21.4%	1,036	48.1%	471	21.8%	120	5.6%	28	1.3%	7	0.3%
1994	1,996	25	1.3%	427	21.4%	899	45.0%	489	24.5%	122	6.1%	31	1.6%	3	0.2%
1995	1,974	31	1.6%	365	18.5%	870	44.1%	522	26.4%	132	6.7%	44	2.2%	10	0.5%
1996	1,824	28	1.5%	303	16.6%	817	44.8%	496	27.2%	132	7.2%	46	2.5%	2	0.1%
1997	1,864	28	1.5%	311	16.7%	802	43.0%	524	28.1%	134	7.2%	52	2.8%	13	0.7%
1998	1,828	40	2.2%	295	16.1%	750	41.0%	530	29.0%	165	9.0%	41	2.2%	7	0.4%
1999	1,769	27	1.5%	256	14.5%	716	40.5%	536	30.3%	179	10.1%	43	2.4%	12	0.7%
2000	1,699	50	2.9%	242	14.2%	655	38.6%	508	29.9%	178	10.5%	50	2.9%	16	0.9%
2001	1,804	35	1.9%	259	14.4%	643	35.6%	606	33.6%	195	10.8%	55	3.0%	11	0.6%
2002	2,009	73	3.6%	331	16.5%	675	33.6%	638	31.8%	218	10.9%	62	3.1%	12	0.6%
2003	1,908	57	3.0%	303	15.9%	622	32.6%	590	30.9%	254	13.3%	73	3.8%	9	0.5%
2004	1,932	50	2.6%	362	18.7%	568	29.4%	635	32.9%	239	12.4%	64	3.3%	14	0.7%
2005	1,982	54	2.7%	379	19.1%	515	26.0%	678	34.2%	287	14.5%	57	2.9%	12	0.6%
2006	2,128	66	3.1%	431	20.3%	546	25.7%	673	31.6%	306	14.4%	88	4.1%	18	0.8%
2007	2,127	99	4.7%	467	22.0%	500	23.5%	631	29.7%	337	15.8%	73	3.4%	20	0.9%
2008	2,023	88	4.3%	495	24.5%	448	22.1%	539	26.6%	308	15.2%	122	6.0%	23	1.1%
2009	1,693	90	5.3%	417	24.6%	401	23.7%	458	27.1%	251	14.8%	63	3.7%	13	0.8%
2010	1,742	76	4.4%	476	27.3%	366	21.0%	455	26.1%	291	16.7%	60	3.4%	18	1.0%
2011	1,427	65	4.6%	445	31.2%	293	20.5%	332	23.3%	219	15.3%	60	4.2%	13	0.9%
2012	1,338	80	6.0%	429	32.1%	275	20.6%	297	22.2%	170	12.7%	71	5.3%	16	1.2%
2013	1,309	59	4.5%	415	31.7%	296	22.6%	274	20.9%	172	13.1%	68	5.2%	25	1.9%
2014	1,257	49	3.9%	420	33.4%	308	24.5%	255	20.3%	161	12.8%	48	3.8%	16	1.3%
2015	1,201	51	4.2%	443	36.9%	293	24.4%	204	17.0%	156	13.0%	44	3.7%	10	0.8%
2016	1,122	50	4.5%	402	35.8%	264	23.5%	183	16.3%	146	13.0%	63	5.6%	14	1.2%
2017	1,048	59	5.6%	379	36.2%	268	25.6%	149	14.2%	123	11.7%	55	5.2%	15	1.4%
2018	1,019	58	5.7%	350	34.3%	266	26.1%	154	15.1%	140	13.7%	36	3.5%	15	1.5%
2019	927	21	2.3%	331	35.7%	233	25.1%	157	16.9%	109	11.8%	61	6.6%	15	1.6%
2020	714	30	4.2%	234	32.8%	188	26.3%	118	16.5%	101	14.1%	37	5.2%	6	0.8%
2021	758	41	5.4%	221	29.2%	241	31.8%	106	14.0%	94	12.4%	44	5.8%	11	1.5%
2022	751	25	3.3%	244	32.5%	242	32.2%	131	17.4%	78	10.4%	28	3.7%	3	0.4%
Total	61,535	1,858	3.0%	15,217	24.7%	21,188	34.4%	14,810	24.1%	6,153	10.0%	1,870	3.0%	439	0.7%

Figure 6A – Trends in Rates of HIV Diagnoses, among Residents at Diagnosis Aged 13+, by Age at HIV Diagnosis, 2013-2022, Reported through June 30, 2023

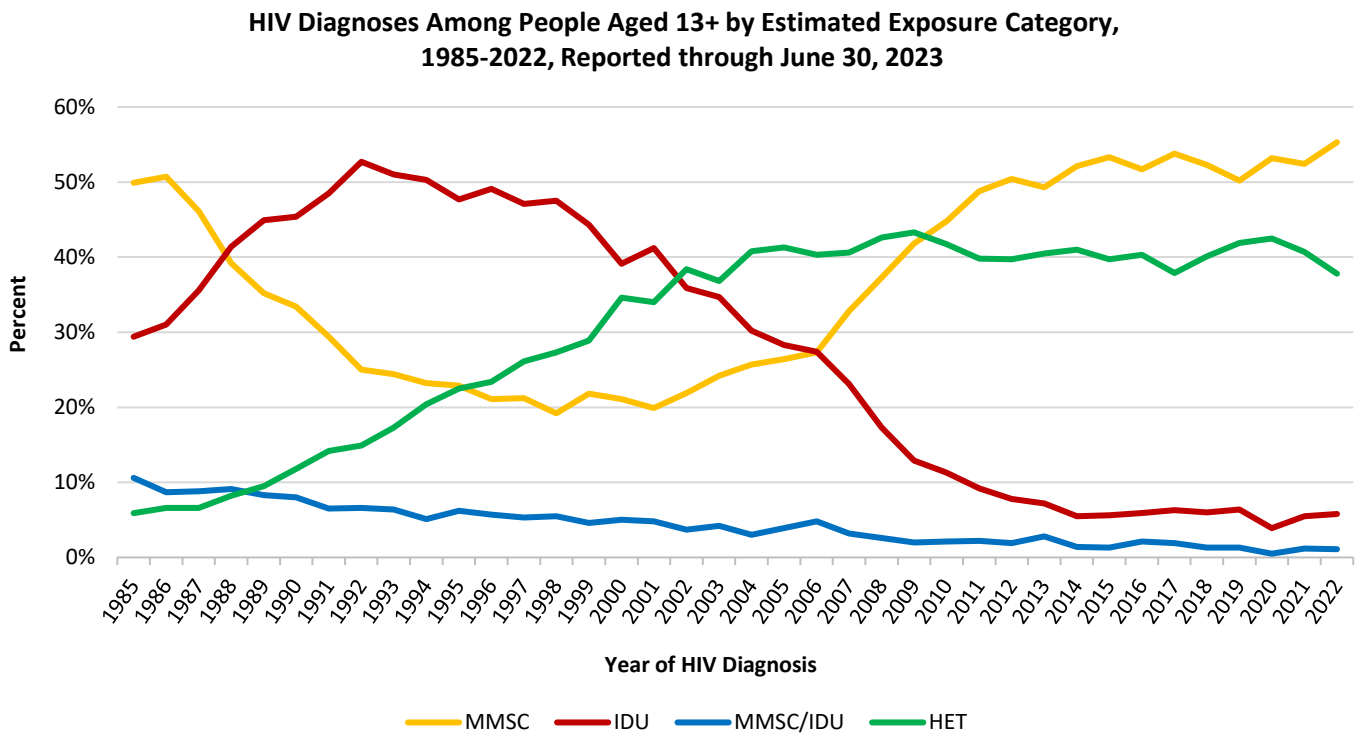
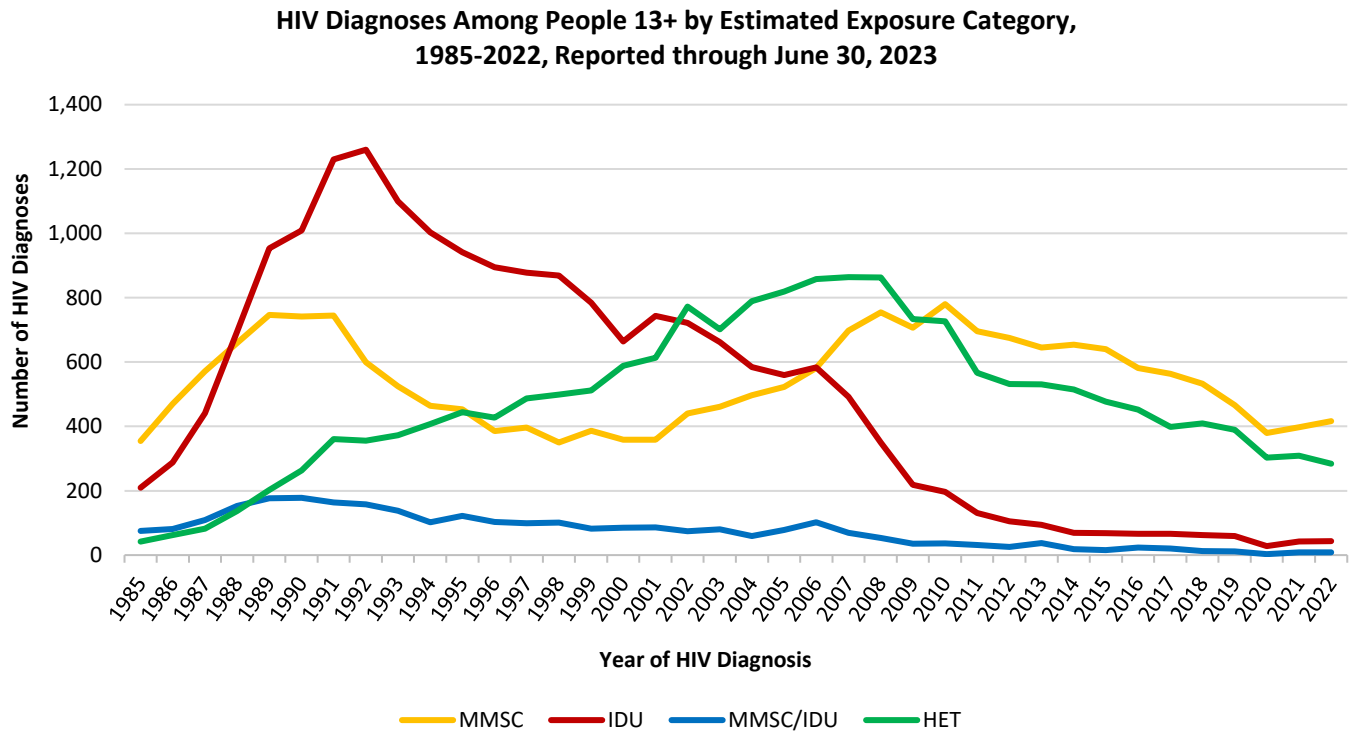
Rate by Age at HIV Diagnosis of People Diagnosed with HIV, Aged 13+ at HIV Diagnosis, by Year of HIV Diagnosis from 2013 through 2022, as Reported through June 30, 2023



Year of HIV Diagnosis	Number of HIV Diagnoses	Mean Age at HIV Diagnosis	Age at HIV Diagnosis							
			13-19	20-29	30-39	40-49	50-59	60-69	70+	
2013	1,309	37.5	Population	541,500	814,847	768,312	837,069	865,573	608,991	524,919
			Diagnoses	59	415	296	274	172	68	25
			Rate	10.9	50.9	38.5	32.7	19.9	11.2	4.8
2014	1,257	36.5	Population	537,142	816,944	780,326	814,074	874,523	628,544	540,987
			Diagnoses	49	420	308	255	161	48	16
			Rate	9.1	51.4	39.5	31.3	18.4	7.6	3.0
2015	1,201	35.8	Population	534,944	814,501	793,252	796,477	877,522	649,365	555,868
			Diagnoses	51	443	293	204	156	44	10
			Rate	9.5	54.4	36.9	25.6	17.8	6.8	1.8
2016	1,22	36.4	Population	534,093	807,509	804,218	781,347	873,547	669,312	570,891
			Diagnoses	50	402	264	183	146	63	14
			Rate	9.4	49.8	32.8	23.4	16.7	9.4	2.5
2017	1,048	35.7	Population	533,423	801,338	815,174	771,858	865,054	676,792	599,370
			Diagnoses	59	379	268	149	123	55	15
			Rate	11.1	47.3	32.9	19.3	14.2	8.1	2.5
2018	1,019	36.0	Population	532,757	792,899	823,588	763,396	854,227	687,591	624,280
			Diagnoses	58	350	266	154	140	36	15
			Rate	10.9	44.1	32.3	20.2	16.4	5.2	2.4
2019	927	37.1	Population	531,748	784,733	829,866	757,393	842,069	699,695	647,618
			Diagnoses	21	331	233	157	109	61	15
			Rate	3.9	42.2	28.1	20.7	12.9	8.7	2.3
2020	714	36.7	Population	554,560	779,240	849,842	775,968	854,648	723,534	662,473
			Diagnoses	30	234	188	118	101	37	6
			Rate	5.4	30.0	22.1	15.2	11.8	5.1	0.9
2021	758	36.6	Population	546,966	780,004	852,290	772,686	843,234	734,852	682,922
			Diagnoses	51	221	241	106	94	44	11
			Rate	9.3	28.3	28.3	13.7	11.1	6.0	1.6
2022	751	35.6	Population	543,132	769,332	849,742	775,187	824,760	742,474	706,438
			Diagnoses	25	244	242	131	78	28	3
			Rate	4.6	31.7	28.5	16.9	9.5	3.8	0.4

Figure 7 – Trends in HIV Diagnoses, among Residents at Diagnosis Aged 13+, by Estimated Exposure Category, 1985-2022, Reported through June 30, 2023

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 2022, as Reported through June 30, 2023



Other exposure category not shown.

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

HIV Diagnoses among People Aged 13+

Year of HIV Diagnosis	No.	% with No Reported Exposure ^x	Estimated Exposure Category [§]									
			MMSC		IDU		MMSC/IDU		HET		Other Exposure	
			No.	%	No.	%	No.	%	No.	%	No.	%
<1985	381	5.2%	223	58.6%	87	22.7%	38	9.9%	20	5.2%	14	3.7%
1985	711	4.9%	355	49.9%	209	29.4%	75	10.6%	42	5.9%	30	4.2%
1986	927	3.0%	470	50.7%	288	31.0%	81	8.7%	62	6.6%	27	2.9%
1987	1,239	3.1%	571	46.1%	441	35.6%	109	8.8%	82	6.6%	36	2.9%
1988	1,678	3.7%	659	39.2%	694	41.4%	153	9.1%	137	8.2%	35	2.1%
1989	2,122	3.5%	747	35.2%	953	44.9%	177	8.3%	202	9.5%	43	2.0%
1990	2,221	4.1%	742	33.4%	1,009	45.4%	178	8.0%	263	11.8%	29	1.3%
1991	2,535	4.7%	745	29.4%	1,230	48.5%	164	6.5%	361	14.2%	35	1.4%
1992	2,392	6.0%	599	25.0%	1,260	52.7%	158	6.6%	356	14.9%	19	0.8%
1993	2,156	4.3%	525	24.4%	1,100	51.0%	138	6.4%	373	17.3%	21	1.0%
1994	1,996	5.1%	464	23.2%	1,003	50.3%	102	5.1%	407	20.4%	20	1.0%
1995	1,974	6.0%	453	22.9%	941	47.7%	122	6.2%	444	22.5%	14	0.7%
1996	1,824	6.9%	385	21.1%	895	49.1%	103	5.7%	427	23.4%	14	0.8%
1997	1,864	8.2%	396	21.2%	878	47.1%	99	5.3%	487	26.1%	5	0.3%
1998	1,828	8.5%	350	19.2%	869	47.5%	101	5.5%	499	27.3%	9	0.5%
1999	1,769	9.1%	386	21.8%	784	44.3%	82	4.6%	512	28.9%	5	0.3%
2000	1,699	9.7%	359	21.1%	664	39.1%	85	5.0%	588	34.6%	4	0.2%
2001	1,804	9.9%	359	19.9%	744	41.2%	86	4.8%	613	34.0%	2	0.1%
2002	2,009	11.1%	440	21.9%	722	35.9%	74	3.7%	772	38.4%	2	0.1%
2003	1,908	10.2%	461	24.2%	662	34.7%	80	4.2%	702	36.8%	4	0.2%
2004	1,932	13.3%	497	25.7%	584	30.2%	59	3.0%	789	40.8%	3	0.2%
2005	1,982	16.6%	523	26.4%	560	28.3%	78	3.9%	819	41.3%	2	0.1%
2006	2,128	21.0%	581	27.3%	583	27.4%	102	4.8%	858	40.3%	4	0.2%
2007	2,127	23.7%	698	32.8%	492	23.1%	69	3.2%	864	40.6%	4	0.2%
2008	2,023	30.7%	754	37.3%	350	17.3%	53	2.6%	863	42.6%	3	0.1%
2009	1,693	30.8%	707	41.8%	218	12.9%	35	2.0%	734	43.3%	0	0.0%
2010	1,742	31.6%	780	44.8%	197	11.3%	36	2.1%	727	41.7%	2	0.1%
2011	1,427	27.3%	696	48.8%	131	9.2%	31	2.2%	567	39.8%	1	0.1%
2012	1,338	19.5%	675	50.4%	105	7.8%	25	1.9%	532	39.7%	2	0.1%
2013	1,309	15.7%	645	49.3%	94	7.2%	37	2.8%	531	40.5%	2	0.2%
2014	1,257	14.2%	654	52.1%	69	5.5%	18	1.4%	515	41.0%	1	0.1%
2015	1,201	9.1%	640	53.3%	68	5.6%	16	1.3%	477	39.7%	1	0.1%
2016	1,122	14.2%	581	51.7%	66	5.9%	23	2.1%	452	40.3%	1	0.1%
2017	1,048	13.6%	564	53.8%	66	6.3%	20	1.9%	398	37.9%	1	0.1%
2018	1,019	13.2%	533	52.3%	62	6.0%	13	1.3%	409	40.1%	2	0.2%
2019	927	17.3%	466	50.2%	59	6.4%	12	1.3%	389	41.9%	1	0.1%
2020	714	10.6%	380	53.2%	28	3.9%	3	0.5%	303	42.5%	0	0.0%
2021	758	15.2%	397	52.4%	42	5.5%	9	1.2%	309	40.7%	1	0.1%
2022	751	24.5%	416	55.3%	43	5.8%	9	1.1%	284	37.8%	0	0.0%
Total	61,535	12.4%	20,876	33.9%	19,250	31.3%	2,853	4.6%	18,169	29.5%	399	0.6%

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

^xPercent with no reported exposure prior to multiple imputation adjustment.

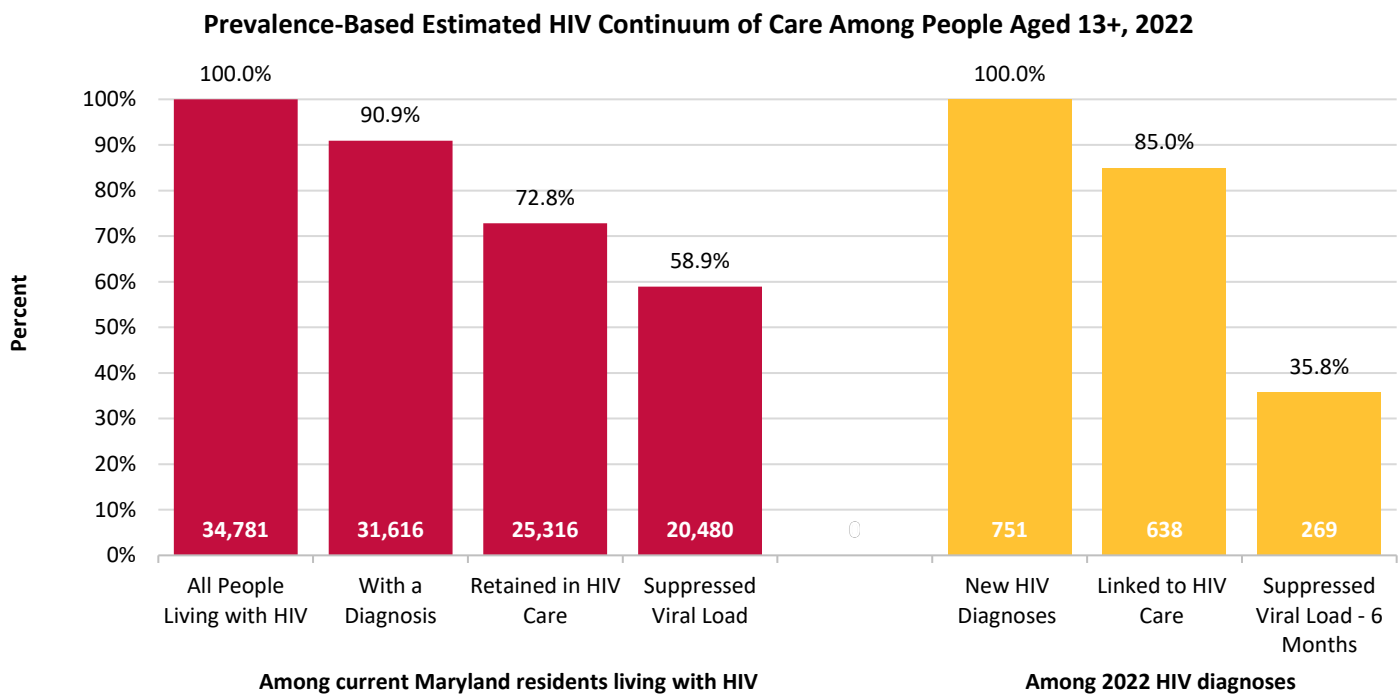
Note. Discrepancies in the table between total HIV diagnoses and the sums by exposure category are due to less than 1 percent of people missing transmission category after multiple imputation.

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 people living with HIV who belong to each of the stages of engagement in HIV care.

Figure 8 – Prevalence-Based Estimated 2022 HIV Continuum of Care Cascades, among Current Maryland Residents Aged 13+, Reported through June 30, 2023

The prevalence-based Maryland Engagement in HIV Care Cascades (below) apply the CDC CD4 depletion model to Maryland surveillance data, reported through June 30, 2023, to estimate the number of people living with undiagnosed HIV (9.1%) and the estimated number of people living with HIV currently residing in Maryland. Maryland surveillance data is then used to describe the number and percentage of people living with HIV in Maryland on December 31, 2022 and the number and percentage of new HIV diagnoses in 2022 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 2022 HIV Diagnoses	
	Number	Percent		Number	Percent
All People Living with HIV	34,781	100.0%	New HIV Diagnoses	751	100.0%
With a Diagnosis	31,616	90.9%	Linked to HIV Care	638	85.0%
Retained in HIV Care	25,316	72.8%	Suppressed Viral Load – 6 Months	269	35.8%
Suppressed Viral Load	20,480	58.9%			

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 8A – Prevalence-Based Estimated 2022 HIV Continuum of Care Cascades, among Current Maryland Residents Aged 13+, by Assigned Sex at Birth, Reported through June 30, 2023

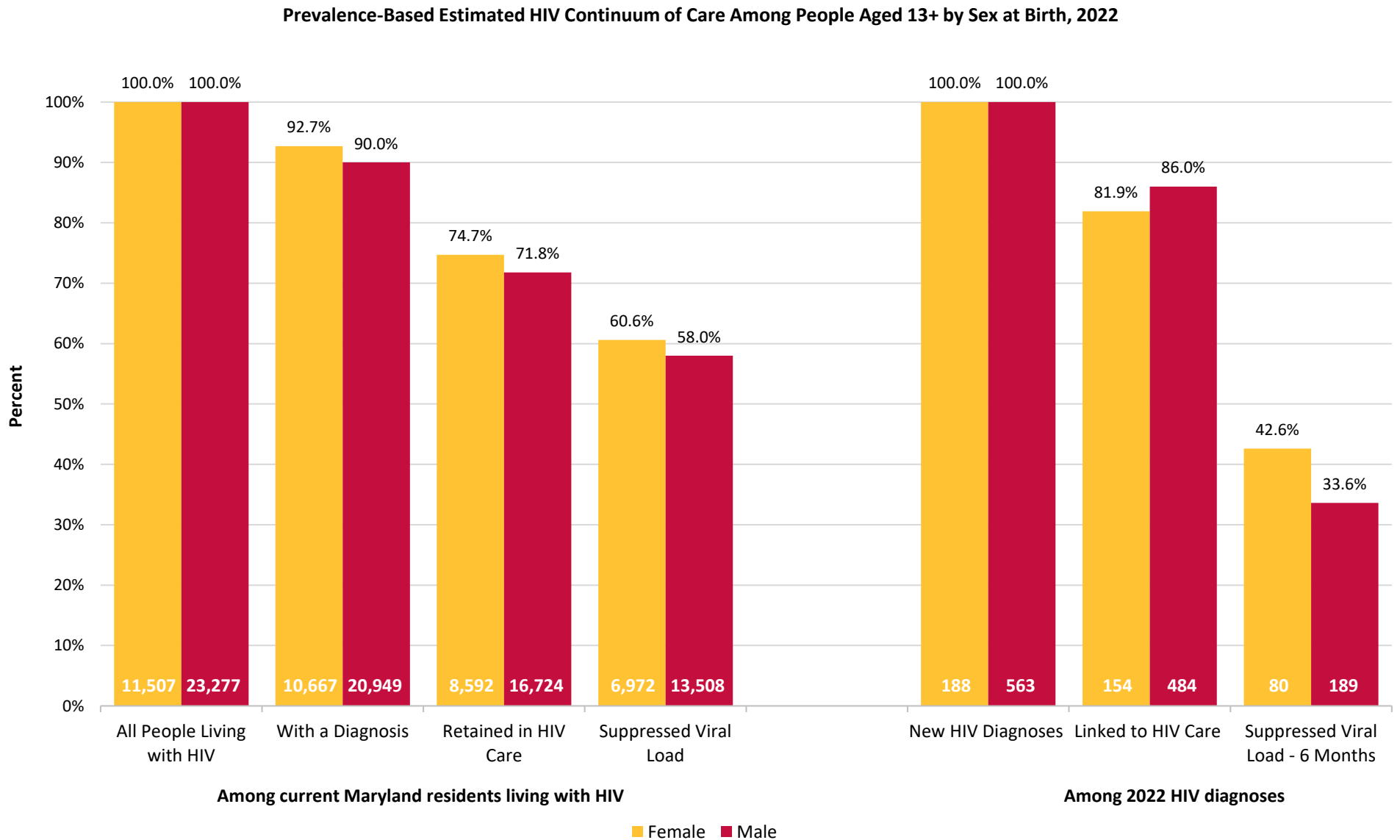


Figure 8B – Prevalence-Based Estimated 2022 HIV Continuum of Care Cascades, among Current Maryland Residents Aged 13+, by Race/Ethnicity, Reported through June 30, 2023

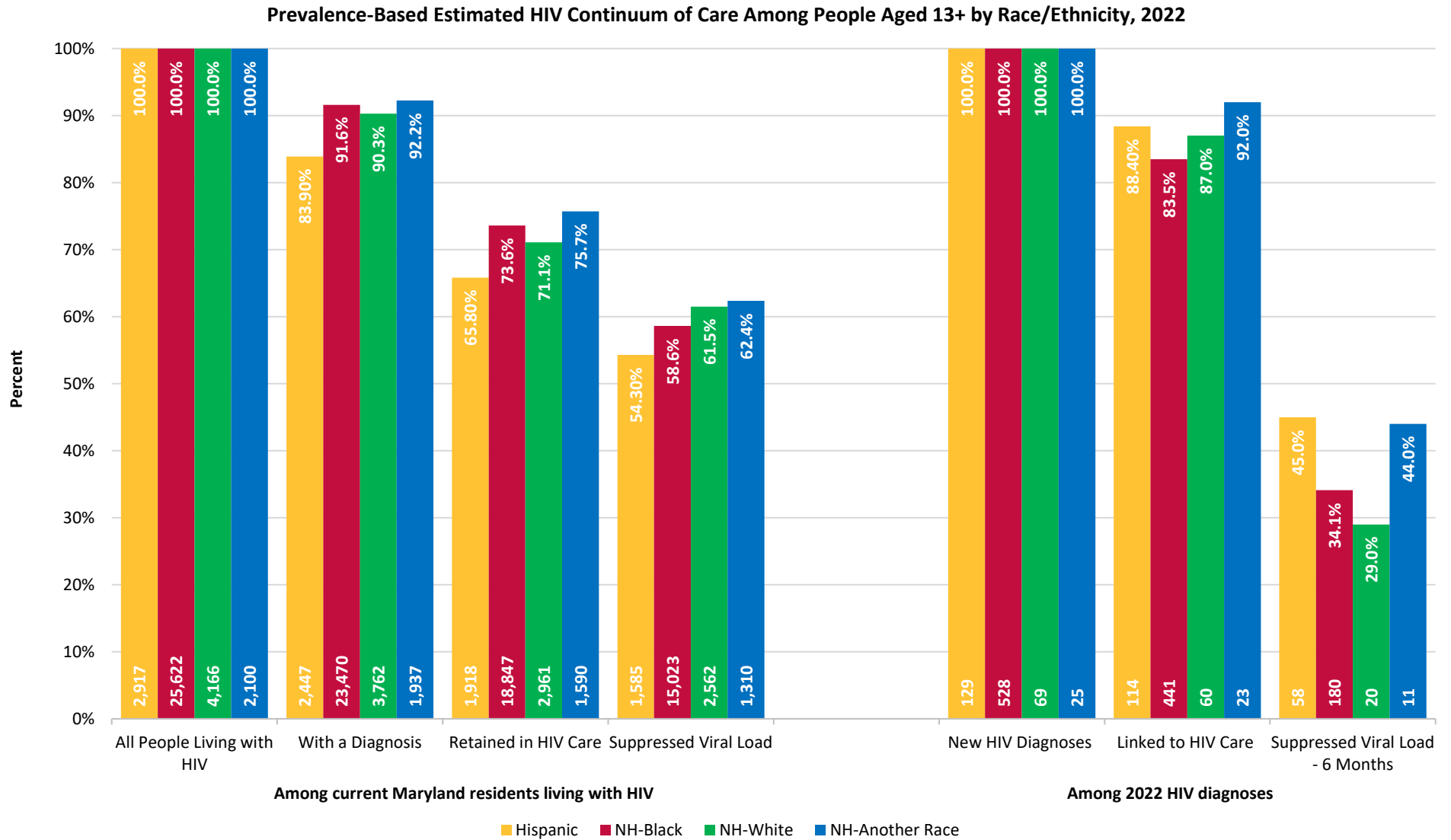
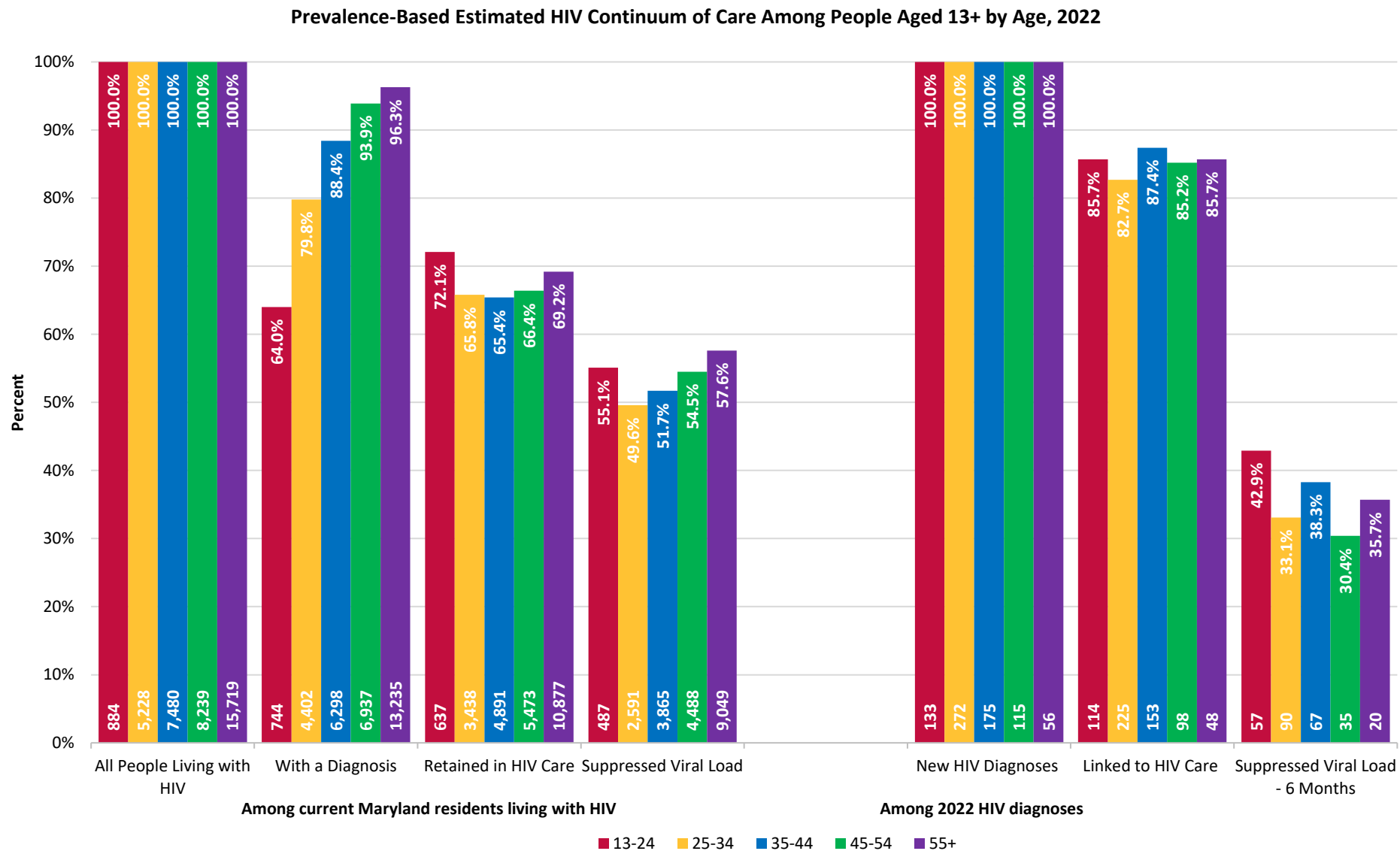


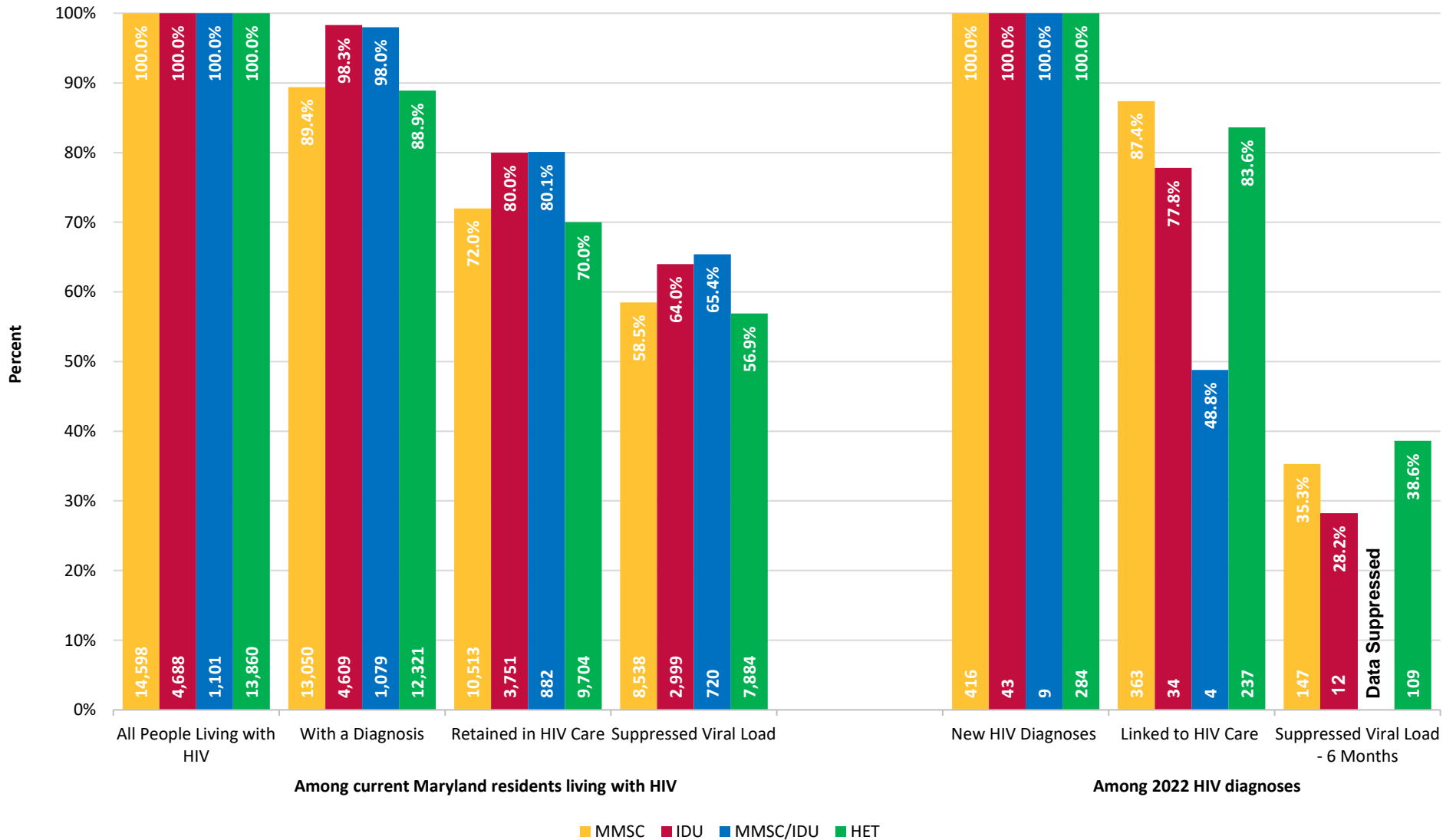
Figure 8C – Prevalence-Based Estimated 2022 HIV Continuum of Care Cascades, among Current Maryland Residents Aged 13+, by Age on December 31, 2022, Reported through June 30, 2023



Note. Age groups are consistent with the national standard presentation of the HIV continuum of care by age. A diagnosis-based continuum of care broken down by 10-year age groups is available on MDH HIV by Age Data Sheet. Age on December 31, 2022 was used for current Maryland residents. Age at HIV diagnosis was used for newly reported HIV diagnosis during the specified year.

Figure 8D – Prevalence-Based Estimated 2022 HIV Continuum of Care Cascades, among Current Maryland Residents Aged 13+, by Estimated Exposure Category, Reported through June 30, 2023

Prevalence-Based Estimated HIV Continuum of Care Among People Aged 13+ by Estimated Exposure Category, 2022

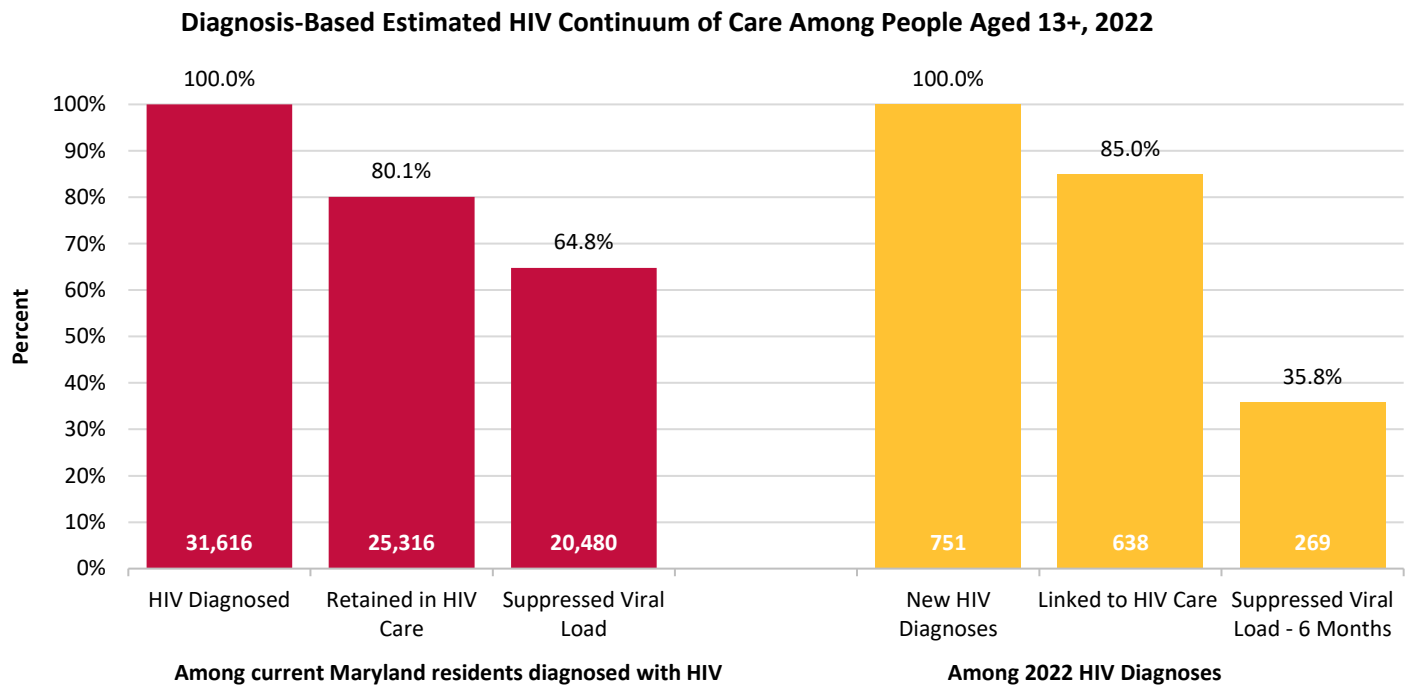


Demographic	Continuum of Care Stage													
	People Aged 13+ Living with Diagnosed HIV								Reported 2022 Diagnoses among People Aged 13+					
	All People Living with HIV		With a Diagnosis		Retained in HIV Care		Suppressed Viral Load		New HIV Diagnoses		Linked to HIV Care		Suppressed Viral Load – 6 Months	
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Assigned Sex at Birth														
Female	11,507	100.0%	10,667	92.7%	8,592	74.7%	6,972	60.6%	188	100.0%	154	81.9%	80	42.6%
Male	23,277	100.0%	20,949	90.0%	16,724	71.8%	13,508	58.0%	563	100.0%	484	86.0%	189	33.6%
Age on December 31, 2022														
13-24	884	100.0%	744	64.0%	637	72.1%	487	55.1%	133	100.0%	114	85.7%	57	42.9%
25-34	5,228	100.0%	4,402	79.8%	3,438	65.8%	2,591	49.6%	272	100.0%	225	82.7%	90	33.1%
35-44	7,480	100.0%	6,298	88.4%	4,891	65.4%	3,865	51.7%	175	100.0%	153	87.4%	67	38.3%
45-54	8,239	100.0%	6,937	93.9%	5,473	66.4%	4,488	54.5%	115	100.0%	98	85.2%	35	30.4%
55+	15,719	100.0%	13,235	96.3%	10,877	69.2%	9,049	57.6%	56	100.0%	48	85.7%	20	35.7%
Race/Ethnicity														
American Indian/Alaska Native	15	100.0%	15	97.5%	9	58.5%	9	58.5%	0	0.0%	0	0.0%	0	0.0%
Asian	288	100.0%	257	89.2%	206	71.5%	185	64.2%	11	100.0%	11	100.0%	***	***
Black/African American	25,622	100.0%	23,470	91.6%	18,847	73.6%	15,023	58.6%	528	100.0%	441	83.5%	180	34.1%
Hispanic/Latino	2,917	100.0%	2,447	83.9%	1,918	65.8%	1,585	54.3%	129	100.0%	114	88.4%	58	45.0%
Native Hawaiian/Other Pacific Islander	6	100.0%	5	80.9%	***	***	***	***	1	100.0%	***	***	***	***
White	4,166	100.0%	3,762	90.3%	2,961	71.1%	2,562	61.5%	69	100.0%	60	87.0%	20	29.0%
Multiple races	1,791	100.0%	1,660	92.7%	1,371	76.6%	1,113	62.2%	13	100.0%	11	84.6%	***	***
Exposure Category														
Male-to-male sexual contact (MMSC)	14,598	100.0%	13,050	89.4%	10,513	72.0%	8,538	58.5%	416	100.0%	363	87.4%	147	35.3%
Injection drug use (IDU)	4,688	100.0%	4,609	98.3%	3,751	80.0%	2,999	64.0%	43	100.0%	34	77.8%	12	28.2%
Female	2,692	100.0%	2,638	98.0%	2,134	79.3%	1,687	62.6%	19	100.0%	15	82.2%	***	***
Male	1,994	100.0%	1,970	98.8%	1,618	81.1%	1,313	65.8%	25	100.0%	18	74.5%	9	35.6%
MMSC/IDU	1,101	100.0%	1,079	98.0%	882	80.1%	720	65.4%	9	100.0%	***	***	***	***
Heterosexual contact (HET)	13,860	100.0%	12,321	88.9%	9,704	70.0%	7,884	56.9%	284	100.0%	237	83.6%	109	38.6%
Female	9,178	100.0%	8,380	91.30%	6,696	73.00%	5,462	59.50%	163	100.0%	136	83.00%	71	43.6%
Male	4,681	100.0%	3,942	84.20%	3,008	64.30%	2,422	51.70%	120	100.0%	102	84.40%	38	31.7%
Total	34,781	100.0%	31,616	90.9%	25,316	72.8%	20,480	58.9%	751	100.0%	638	85.0%	269	35.8%

Note. Other exposure category and perinatal transmission not shown. Multiple imputation was used to estimate and adjust for missing transmission category. 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.

Figure 9 – Diagnosis-Based Estimated 2022 HIV Continuum of Care Cascades, among Current Maryland Residents Aged 13+, Reported through June 30, 2023

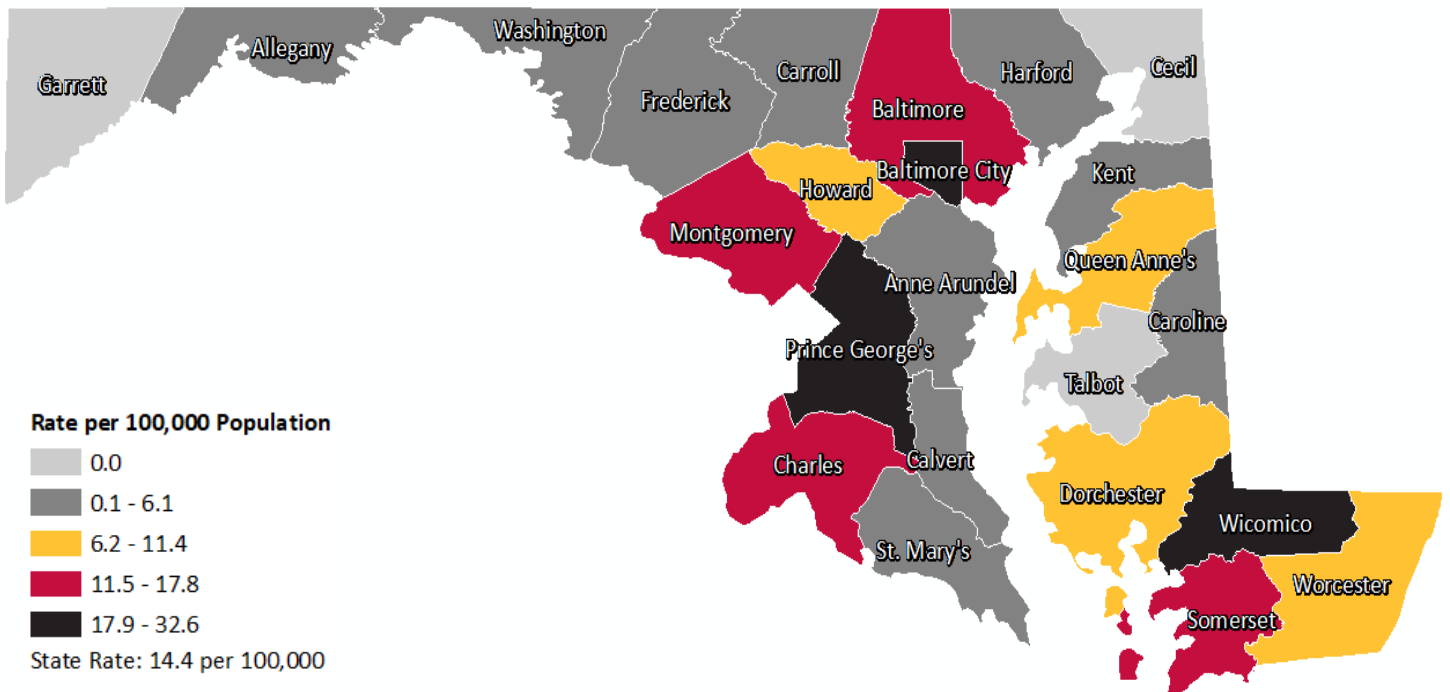
The diagnosis-based Maryland Engagement in HIV Care Cascade (below) uses Maryland surveillance data for current Maryland residents to describe the number and percentage of people living with diagnosed HIV in Maryland on December 31, 2022 and the number and percentage of new HIV diagnoses in 2022 who 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 2022 HIV Diagnoses	
	Number	Percent		Number	Percent
HIV Diagnosed	31,616	100.0%	New HIV Diagnoses	751	100.0%
Retained in HIV Care	25,316	80.1%	Linked to HIV Care	638	85.0%
Suppressed Viral Load	20,480	64.8%	Suppressed Viral Load – 6 Months	269	35.8%

Section IV – By Jurisdiction

Maryland Reported HIV Diagnoses among People Aged 13+, Rate by Jurisdiction, 2022



- The rate of new HIV diagnoses among people aged 13+ in Maryland is **14.4 per 100,000**.
Jurisdictions with the highest rate of new HIV diagnoses among people aged 13+ in Maryland include:
 - Baltimore City: 32.6 per 100,000
 - Prince George's County: 32.3 per 100,000
 - Wicomico County: 21.5 per 100,000
 - Charles County: 17.6 per 100,000
- The rate of new AIDS diagnoses among people aged 13+ in Maryland is **7.6 per 100,000**.
Jurisdictions with the highest rate of new AIDS diagnoses among people aged 13+ in Maryland include:
 - Baltimore City: 19.2 per 100,000
 - Prince George's County: 15.3 per 100,000
 - Somerset County: 13.9 per 100,000
 - Wicomico County: 10.2 per 100,000

Table 1 – HIV Diagnoses and AIDS Diagnoses, among People Aged 13+ during 2022, by Jurisdiction of Residence at Diagnosis, Reported through June 30, 2023

Jurisdiction of Residence at Diagnosis	Population Aged 13+	HIV Diagnoses among People Aged 13+			AIDS Diagnoses among People Aged 13+		
		No.	% of Total	Rate	No.	% of Total	Rate
Allegany	58,834	2	0.3%	3.4	4	1.0%	6.8
Anne Arundel	499,060	25	3.3%	5.0	22	5.6%	4.4
Baltimore City	485,365	158	21.0%	32.6	93	23.5%	19.2
Baltimore	717,811	83	11.1%	11.6	33	8.4%	4.6
Calvert	79,743	1	0.1%	1.3	2	0.5%	2.5
Caroline	27,937	1	0.1%	3.6	2	0.5%	7.2
Carroll	148,583	3	0.4%	2.0	3	0.8%	2.0
Cecil	88,919	0	0.0%	0.0	3	0.8%	3.4
Charles	142,343	25	3.3%	17.6	8	2.0%	5.6
Dorchester	27,848	2	0.3%	7.2	2	0.5%	7.2
Frederick	240,559	11	1.5%	4.6	4	1.0%	1.7
Garrett	25,054	0	0.0%	0.0	0	0.0%	0.0
Harford	223,232	12	1.6%	5.4	8	2.0%	3.6
Howard	280,829	20	2.7%	7.1	13	3.3%	4.6
Kent	17,279	1	0.1%	5.8	1	0.3%	5.8
Montgomery	886,227	107	14.2%	12.1	51	12.9%	5.8
Prince George's	798,706	258	34.4%	32.3	122	30.9%	15.3
Queen Anne's	44,380	4	0.5%	9.0	1	0.3%	2.3
Saint Mary's	95,727	4	0.5%	4.2	4	1.0%	4.2
Somerset	21,527	3	0.4%	13.9	3	0.8%	13.9
Talbot	33,113	0	0.0%	0.0	0	0.0%	0.0
Washington	132,158	7	0.9%	5.3	6	1.5%	4.5
Wicomico	88,216	19	2.5%	21.5	9	2.3%	10.2
Worcester	47,616	4	0.5%	8.4	1	0.3%	2.1
Corrections	--	1	0.1%	--	0	0.0%	--
Total	5,211,066	751	100.0%	14.4	395	100.0%	7.6

Table 2 – HIV Diagnoses, among People Aged 13+ during 2022, Linked to Care, Viral Suppression, Late Diagnosis, and First CD4 Test Result by Jurisdiction of Residence at Diagnosis, Reported through June 30, 2023

Jurisdiction of Residence at HIV Diagnosis	HIV Diagnoses among People Aged 13+					
	No.	% Linked to Care	% Virally Suppressed - 6 months	% Late HIV Diagnoses	First CD4 Test Result	
					% with Test	Median Count
Allegany	2	***	***	***	***	***
Anne Arundel	25	80.0%	20.0%	32.0%	100.0%	367
Baltimore City	158	86.1%	38.6%	15.8%	96.8%	442
Baltimore	83	86.7%	28.9%	16.9%	97.6%	333
Calvert	1	***	***	***	***	***
Caroline	1	***	***	***	***	***
Carroll	3	***	***	***	***	***
Cecil	0	--	--	--	--	--
Charles	25	84.0%	28.0%	20.0%	92.0%	412
Dorchester	2	***	***	***	***	***
Frederick	11	81.8%	54.5%	***	100.0%	328
Garrett	0	--	--	--	--	--
Harford	12	75.0%	***	***	100.0%	334
Howard	20	80.0%	45.0%	35.0%	100.0%	433
Kent	1	***	***	***	***	***
Montgomery	107	85.0%	43.0%	30.8%	97.2%	335
Prince George's	258	87.2%	38.0%	23.6%	95.7%	410
Queen Anne's	4	***	***	***	***	***
Saint Mary's	4	***	***	***	***	***
Somerset	3	***	***	***	***	***
Talbot	0	--	--	--	--	--
Washington	7	100.0%	0.0%	***	85.7%	264
Wicomico	19	73.7%	36.8%	31.6%	94.7%	285
Worcester	4	***	***	***	***	***
Corrections	1	***	***	***	***	***
Total	751	85.0%	35.8%	23.4%	96.5%	380

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

Table 3 – People Aged 13+ Living with Diagnosed HIV, Alive on December 31, 2022, by Jurisdiction of Residence at Diagnosis and Current Residence, Reported through June 30, 2023

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)	
Allegany	58,834	97	0.3%	164.9	607	108	0.3%	183.6	545	11.3%
Anne Arundel	499,060	1,348	4.0%	270.1	370	1,416	4.5%	283.7	352	5.0%
Baltimore City	485,365	11,742	35.2%	2,419.2	41	9,971	31.5%	2,054.3	49	-15.1%
Baltimore	717,811	3,354	10.1%	467.3	214	3,787	12.0%	527.6	190	12.9%
Calvert	79,743	118	0.4%	148.0	676	142	0.4%	178.1	562	20.3%
Caroline	27,937	69	0.2%	247.0	405	61	0.2%	218.3	458	-11.6%
Carroll	148,583	160	0.5%	107.7	929	160	0.5%	107.7	929	0.0%
Cecil	88,919	128	0.4%	144.0	695	156	0.5%	175.4	570	21.9%
Charles	142,343	548	1.6%	385.0	260	697	2.2%	489.7	204	27.2%
Dorchester	27,848	126	0.4%	452.5	221	157	0.5%	563.8	177	24.6%
Frederick	240,559	398	1.2%	165.4	604	505	1.6%	209.9	476	26.9%
Garrett	25,054	8	0.0%	31.9	3,132	15	0.0%	59.9	1,670	87.5%
Harford	223,232	468	1.4%	209.6	477	545	1.7%	244.1	410	16.5%
Howard	280,829	667	2.0%	237.5	421	766	2.4%	272.8	367	14.8%
Kent	17,279	44	0.1%	254.6	393	53	0.2%	306.7	326	20.5%
Montgomery	886,227	4,246	12.7%	479.1	209	3,688	11.7%	416.1	240	-13.1%
Prince George's	798,706	8,207	24.6%	1,027.5	97	8,045	25.4%	1,007.3	99	-2.0%
Queen Anne's	44,380	60	0.2%	135.2	740	61	0.2%	137.4	728	1.7%
Saint Mary's	95,727	149	0.4%	155.7	642	159	0.5%	166.1	602	6.7%
Somerset	21,527	78	0.2%	362.3	276	95	0.3%	441.3	227	21.8%
Talbot	33,113	63	0.2%	190.3	526	80	0.3%	241.6	414	27.0%
Washington	132,158	326	1.0%	246.7	405	381	1.2%	288.3	347	16.9%
Wicomico	88,216	270	0.8%	306.1	327	287	0.9%	325.3	307	6.3%
Worcester	47,616	77	0.2%	161.7	618	65	0.2%	136.5	733	-15.6%
Corrections	--	589	1.8%	--	--	216	0.7%	--	--	--
Total	5,211,066	33,340	100.0%	639.8	156	31,616	100.0%	606.7	165	-5.2%

Table 4 – CD4 Test Results during 2022 for People Aged 13+ Living with Diagnosed HIV, Alive on December 31, 2022, by Jurisdiction of Current Residence, Reported through June 30, 2023

Jurisdiction of Current Residence	Total People Aged 13+ Living with Diagnosed HIV								
	No.	Recent CD4 Test Result				<200	200-349	350-499	500+
		No. with Test	% with Test	Median Count					
Allegany	108	93	86.1%	712	3.2%	7.5%	11.8%	77.4%	
Anne Arundel	1,416	1,067	75.4%	669	6.0%	9.0%	15.7%	69.4%	
Baltimore City	9,971	7,555	75.8%	633	8.4%	10.9%	15.0%	65.8%	
Baltimore	3,787	2,811	74.2%	666	5.3%	9.7%	15.8%	69.2%	
Calvert	142	119	83.8%	674	6.7%	12.6%	9.2%	71.4%	
Caroline	61	44	72.1%	775	9.1%	6.8%	4.5%	79.5%	
Carroll	160	123	76.9%	672	6.5%	8.1%	15.4%	69.9%	
Cecil	156	111	71.2%	604	7.2%	11.7%	16.2%	64.9%	
Charles	697	543	77.9%	680	6.8%	9.2%	14.2%	69.8%	
Dorchester	157	118	75.2%	647	9.3%	12.7%	9.3%	68.6%	
Frederick	505	365	72.3%	673	5.2%	7.1%	14.0%	73.7%	
Garrett	15	13	86.7%	653	0.0%	7.7%	15.4%	76.9%	
Harford	545	372	68.3%	675	6.7%	11.6%	12.6%	69.1%	
Howard	766	588	76.8%	659	5.6%	9.7%	13.6%	71.1%	
Kent	53	33	62.3%	702	6.1%	0.0%	12.1%	81.8%	
Montgomery	3,688	2,637	71.5%	629	5.7%	11.0%	16.4%	66.9%	
Prince George's	8,045	6,152	76.5%	645	6.4%	10.1%	15.3%	68.2%	
Queen Anne's	61	43	70.5%	682	4.7%	18.6%	7.0%	69.8%	
Saint Mary's	159	134	84.3%	662	6.0%	10.4%	17.2%	66.4%	
Somerset	95	72	75.8%	582	5.6%	11.1%	16.7%	66.7%	
Talbot	80	68	85.0%	529	11.8%	22.1%	14.7%	51.5%	
Washington	381	283	74.3%	707	6.0%	8.8%	15.5%	69.6%	
Wicomico	287	221	77.0%	555	10.4%	15.8%	16.3%	57.5%	
Worcester	65	50	76.9%	608	6.0%	8.0%	18.0%	68.0%	
Corrections	216	183	84.7%	708	4.9%	9.3%	9.8%	76.0%	
Total	31,616	23,798	75.3%	644	6.8%	10.4%	15.1%	67.7%	

Table 5 – Viral Load Test Results during 2022 for People Aged 13+ Living with Diagnosed HIV, Alive on December 31, 2022, by Jurisdiction of Current Residence, Reported through June 30, 2023

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	
Allegany	108	90	83.3%	93.3%	30,226
Anne Arundel	1,416	1,037	73.2%	91.4%	9,430
Baltimore City	9,971	7,711	77.3%	88.0%	6,710
Baltimore	3,787	2,869	75.8%	90.0%	8,620
Calvert	142	118	83.1%	89.8%	1,065
Caroline	61	45	73.8%	93.3%	581,000
Carroll	160	127	79.4%	94.5%	5,500
Cecil	156	106	67.9%	85.8%	34,400
Charles	697	494	70.9%	90.9%	8,090
Dorchester	157	118	75.2%	91.5%	14,450
Frederick	505	353	69.9%	90.1%	629
Garrett	15	14	93.3%	100.0%	--
Harford	545	368	67.5%	88.0%	2,635
Howard	766	581	75.8%	91.0%	3,240
Kent	53	36	67.9%	94.4%	84,050
Montgomery	3,688	2,339	63.4%	90.9%	5,785
Prince George's	8,045	5,515	68.6%	88.3%	7,630
Queen Anne's	61	44	72.1%	95.5%	45,050
Saint Mary's	159	132	83.0%	84.8%	3,545
Somerset	95	74	77.9%	89.2%	28,800
Talbot	80	67	83.8%	95.5%	42,500
Washington	381	284	74.5%	90.8%	1,260
Wicomico	287	228	79.4%	84.2%	1,515
Worcester	65	51	78.5%	90.2%	74,490
Corrections	216	186	86.1%	91.9%	9,150
Total	31,616	22,987	72.7%	89.1%	6,790

Section V – By Age

Table 6 – Reported HIV Diagnoses during 2022, Linked to Care, Viral Suppression, Late Diagnosis, and First CD4 Test Result by Age at HIV Diagnosis, Reported through June 30, 2023

Age at HIV Diagnosis	Population	Reported HIV Diagnoses						First CD4 Test Result	
		No.	% of Total	Rate	% Linked to Care	% Virally Suppressed - 6 months	% Late HIV Diagnoses	% with Test	Median Count
<5 (Pediatric)	349,844	5	0.7%	1.4	100.0%	***	0.0%	100.0%	2,449
5-12 (Pediatric)	603,751	1	0.1%	0.2	***	***	***	***	***
13-19	543,132	25	3.3%	4.6	96.0%	48.0%	***	96.0%	395
20-29	769,332	244	32.2%	31.7	82.8%	37.3%	14.3%	95.1%	411
30-39	849,742	242	32.0%	28.5	86.4%	34.3%	25.2%	97.1%	403
40-49	775,187	131	17.3%	16.9	83.2%	35.1%	32.8%	98.5%	319
50-59	824,760	78	10.3%	9.5	83.3%	32.1%	34.6%	94.9%	329
60-69	742,474	28	3.7%	3.8	92.9%	39.3%	25.0%	100.0%	348
70+	706,438	3	0.4%	0.4	***	***	***	***	***
Total	6,164,660	757	100.0%	12.3	85.1%	36.1%	23.4%	96.6%	381
Alternate Age Categories									
13-24	927,397	133	17.7%	14.3	85.7%	42.9%	8.3%	94.7%	448
25-34	809,165	272	36.2%	33.6	82.7%	33.1%	21.0%	96.0%	367
35-44	833,654	175	23.3%	21.0	87.4%	38.3%	30.3%	98.3%	370
45-54	771,708	115	15.3%	14.9	85.2%	30.4%	33.0%	96.5%	333
55-64	824,932	42	5.6%	5.1	85.7%	***	***	97.6%	326
65+	1,044,209	14	1.9%	1.3	85.7%	***	***	100.0%	327
Total	5,211,065	751	100.0%	14.4	85.1%	36.1%	23.4%	96.6%	381

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

Table 7 – People Living with Diagnosed HIV, Alive on December 31, 2022, by Age on December 31, 2022, Reported through June 30, 2023

Age on December 31, 2022	Population	Total People Living with Diagnosed HIV			
		No.	% of Total	Rate	Ratio (1 in X)
<5 (Pediatric)	349,844	7	0.0%	2.0	49,978
5-12 (Pediatric)	603,751	25	0.1%	4.1	24,150
13-19	543,132	126	0.4%	23.2	4,311
20-29	769,332	2,116	6.7%	275.0	364
30-39	849,742	6,065	19.2%	713.7	140
40-49	775,187	6,229	19.7%	803.5	124
50-59	824,760	8,544	27.0%	1,035.9	97
60-69	742,474	6,523	20.6%	878.5	114
70+	706,438	2,013	6.4%	285.0	351
Total	6,164,660	31,648	100.0%	513.4	195

Alternate Age Categories

13-24	927,397	744	2.4%	80.2	1,247
25-34	809,165	4,402	13.9%	544.0	184
35-44	833,654	6,298	19.9%	755.5	132
45-54	771,708	6,937	21.9%	898.9	111
55-64	824,932	8,694	27.5%	1,053.9	95
65+	1,044,209	4,541	14.4%	434.9	230
Total	5,211,065	31,616	100.0%	606.7	165

Table 8 – CD4 Test Results during 2022 for People Aged 13+ Living with Diagnosed HIV, Alive on December 31, 2022, by Age on December 31, 2022, Reported through June 30, 2023

Age on December 31, 2022	Total People Aged 13+ Living with Diagnosed HIV							
	No.	Recent CD4 Test Results						500+
		No. with Test	% with Test	Median Count	<200	200-349	350-499	
13-19	126	87	69.0%	660	3.4%	6.9%	8.0%	81.6%
20-29	2,116	1,639	77.5%	676	6.5%	7.9%	13.5%	72.1%
30-39	6,065	4,492	74.1%	663	7.3%	9.0%	14.0%	69.7%
40-49	6,229	4,537	72.8%	658	6.7%	9.2%	15.3%	68.7%
50-59	8,544	6,474	75.8%	646	6.8%	10.6%	15.1%	67.5%
60-69	6,523	5,069	77.7%	625	6.7%	12.0%	15.9%	65.5%
70+	2,013	1,500	74.5%	574	6.8%	14.7%	17.7%	60.9%
Total	31,616	23,798	75.3%	644	6.8%	10.4%	15.1%	67.7%

Alternate Age Categories

13-24	744	591	79.4%	658	3.4%	8.3%	13.0%	75.3%
25-34	4,402	3,293	74.8%	671	7.4%	8.3%	13.7%	70.6%
35-44	6,298	4,621	73.4%	658	7.0%	9.3%	14.7%	68.9%
45-54	6,937	5,142	74.1%	651	7.0%	10.0%	15.3%	67.7%
55-64	8,694	6,669	76.7%	640	6.7%	11.0%	15.3%	67.0%
65+	4,541	3,482	76.7%	599	6.5%	13.6%	16.8%	63.0%
Total	31,616	23,798	75.3%	644	6.8%	10.4%	15.1%	67.7%

Table 9 – Viral Load Test Results during 2022 for People Living with Diagnosed HIV, Alive on December 31, 2022, by Age on December 31, 2022, Reported through June 30, 2023

Age on December 31, 2022	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	126	111	88.1%	79.3%	3,520
20-29	2,116	1,599	75.6%	78.9%	10,900
30-39	6,065	4,340	71.6%	84.2%	9,039
40-49	6,229	4,429	71.1%	88.6%	8,230
50-59	8,544	6,293	73.7%	91.0%	5,425
60-69	6,523	4,849	74.3%	93.3%	2,300
70+	2,013	1,366	67.9%	95.0%	2,840
Total	31,616	22,987	72.7%	89.1%	6,790
Alternate Age Categories					
13-24	744	602	80.9%	80.9%	21,900
25-34	4,402	3,173	72.1%	81.7%	8,585
35-44	6,298	4,503	71.5%	85.8%	8,232
45-54	6,937	4,997	72.0%	89.8%	7,910
55-64	8,694	6,493	74.7%	92.8%	3,020
65+	4,541	3,219	70.9%	94.0%	2,385
Total	31,616	22,987	72.7%	89.1%	6,790

Section VI – By Demographics

Table 10 – HIV Diagnoses, among People Aged 13+ during 2022, Linked to Care, Viral Suppression, Late Diagnosis, and First CD4 Test Result by Assigned Sex at Birth, Gender Identity, Race/Ethnicity, and Country of Birth, Reported through June 30, 2023

Demographic Characteristics	Population Aged 13+	HIV Diagnoses among People Aged 13+						First CD4 Test Result	
		No.	% of Total	Rate	% Linked to Care	% Virally Suppressed - 6 months	% Late HIV Diagnoses	% with Test	Median Count
Assigned Sex at Birth									
Female	2,695,803	188	25.0%	7.0	81.9%	42.6%	23.9%	97.3%	396
Male	2,515,263	563	75.0%	22.4	86.0%	33.6%	23.3%	96.3%	371
Gender Identity									
Cisgender Man or Boy	2,515,263	537	71.5%	21.3	86.2%	33.1%	24.2%	96.5%	362
Cisgender Woman or Girl	2,695,803	185	24.6%	6.9	81.6%	42.2%	23.8%	97.3%	393
Transgender Man or Boy	--	2	0.3%	0.0	***	***	***	***	***
Transgender Woman or Girl	--	27	3.6%	0.0	***	***	***	***	***
Another Gender Identity	--	0	0.0%	0.0	--	--	--	--	--
Race/Ethnicity									
Hispanic	531,482	129	17.2%	24.3	88.4%	45.0%	29.5%	95.3%	333
Non-Hispanic	4,679,583	622	82.8%	13.3	84.2%	33.9%	22.2%	96.8%	393
American Indian/Alaska Native, only	12,875	0	0.0%	0.0	--	--	--	--	--
Asian, only	363,553	11	1.5%	3.0	***	***	***	***	***
Black, only	1,584,199	528	70.3%	33.3	83.5%	34.1%	21.8%	96.4%	393
Native Hawaiian/Other Pacific Islander, only	2,640	1	0.1%	37.9	***	***	***	***	***
White, only	2,605,702	69	9.2%	2.6	87.0%	29.0%	23.2%	98.6%	381
Multiracial/Another Race	110,614	13	1.7%	11.8	84.6%	53.8%	***	100.0%	414
Total	5,211,065	751	100.0%	14.4	85.0%	35.8%	23.4%	96.5%	380
Country of Birth									
United States	4,196,792	615	81.9%	14.7	84.1%	33.0%	21.1%	96.4%	397
Foreign-Born People	875,892	118	15.7%	13.5	88.1%	47.5%	33.1%	97.5%	294
Africa	--	53	7.1%	--	86.8%	45.3%	37.7%	98.1%	279
Asia	--	4	0.5%	--	***	***	***	***	***
Caribbean	--	17	2.3%	--	70.6%	47.1%	***	94.1%	408
Central America	--	35	4.7%	--	94.3%	48.6%	25.7%	97.1%	312
Other	--	9	1.2%	--	***	***	***	***	***
Unknown	--	18	2.4%	--	94.4%	55.6%	38.9%	94.4%	269
Total	5,072,684	751	100.0%	14.8	85.0%	35.8%	23.4%	96.5%	380

Note. Population data by sex at birth, age, and race/ethnicity are from the 2022 United States Census population estimates. Population data by gender are unavailable. Population data by country of birth are from the 2021 American Community Survey.

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

Table 11 – Reported HIV Diagnoses, among People Aged 13+ during 2022 by Assigned Sex at Birth and Race/Ethnicity, Reported through June 30, 2023

Reported HIV Diagnoses among People Aged 13+								
Race/Ethnicity	Assigned Sex at Birth							
	Female				Male			
	Population 13+	No.	% of Total	Rate	Population 13+	No.	% of Total	Rate
Hispanic	256,134	13	6.9%	5.1	275,348	116	20.6%	42.1
Non-Hispanic	2,439,669	175	93.1%	7.2	2,239,914	447	79.4%	20.0
American Indian/Alaska Native, only	6,668	0	0.0%	0.0	6,208	0	0.0%	0.0
Asian, only	192,279	0	0.0%	0.0	171,273	11	2.0%	6.4
Black, only	853,964	154	81.9%	18.0	730,236	374	66.4%	51.2
Native Hawaiian/Other Pacific Islander, only	1,426	0	0.0%	0.0	1,214	1	0.2%	82.4
White, only	1,327,138	16	8.5%	1.2	1,278,564	53	9.4%	4.1
Multiracial/Another Race	58,194	5	2.7%	8.6	52,420	8	1.4%	15.3
Total	2,695,803	188	100.0%	7.0	2,515,263	563	100.0%	22.4

Note. Population data by assigned sex at birth, age, and race/ethnicity are from the 2022 United State Census population estimates.

Table 12 – People Aged 13+ Living with Diagnosed HIV, Alive on December 31, 2022, by Assigned Sex at Birth, Gender Identity, Race/Ethnicity, and Country of Birth, Reported through June 30, 2023

Demographic Characteristics	Population Aged 13+	Total People Aged 13+ Living with Diagnosed HIV			
		No.	% of Total	Rate	Ratio (1 in X)
Assigned Sex at Birth					
Female	2,695,803	10,667	33.7%	395.7	253
Male	2,515,263	20,949	66.3%	832.9	120
Gender Identity					
Cisgender Man or Boy	2,515,263	20,623	65.2%	819.9	122
Cisgender Woman or Girl	2,695,803	10,646	33.7%	394.9	253
Transgender Man or Boy	--	18	0.1%	--	--
Transgender Woman or Girl	--	328	1.0%	--	--
Another Gender Identity	--	1	0.0%	--	--
Race/Ethnicity					
Hispanic	531,482	2,447	7.7%	460.4	217
Non-Hispanic	4,679,583	29,169	92.3%	623.3	160
American Indian/Alaska Native, only	12,875	15	0.0%	116.5	858
Asian, only	363,553	257	0.8%	70.7	1,415
Black, only	1,584,199	23,470	74.2%	1,481.5	67
Native Hawaiian/Other Pacific Islander, only	2,640	5	0.0%	189.4	528
White, only	2,605,702	3,762	11.9%	144.4	693
Multiracial/Another Race	110,614	1,660	5.3%	1,500.7	67
Total	5,211,065	31,616	100.0%	606.7	165
Country of Birth					
United States	4,196,792	26,420	83.6%	629.5	159
Foreign-Born People	875,892	4,356	13.8%	497.3	201
Africa	--	2,695	8.5%	--	--
Asia	--	210	0.7%	--	--
Caribbean	--	339	1.1%	--	--
Central America	--	749	2.4%	--	--
Other	--	363	1.1%	--	--
Unknown	--	840	2.7%	--	--
Total	5,072,684	31,616	100.0%	623.3	160

Note. Population data by assigned sex at birth, age, and race/ethnicity are from the 2022 United States Census population estimates. Population data by gender are unavailable. Population data by country of birth are from the 2021 American Community Survey.

Table 13 – People Aged 13+ Living with Diagnosed HIV, Alive on December 31, 2022, by Assigned Sex at Birth and Race/Ethnicity, Reported through June 30, 2023

Total People Aged 13+ Living with Diagnosed HIV								
Race/Ethnicity	Assigned Sex at Birth							
	Female				Male			
	Population 13+	No.	% of Total	Rate	Population 13+	No.	% of Total	Rate
Hispanic	256,134	532	5.0%	207.7	275,348	1,915	9.1%	695.5
Non-Hispanic	2,439,669	10,135	95.0%	415.4	2,239,914	19,034	90.9%	849.8
American Indian/Alaska Native, only	6,668	7	0.1%	105.0	6,208	8	0.0%	128.9
Asian, only	192,279	48	0.4%	25.0	171,273	209	1.0%	122.0
Black, only	853,964	8,850	83.0%	1,036.3	730,236	14,620	69.8%	2,002.1
Native Hawaiian/Other Pacific Islander, only	1,426	0	0.0%	0.0	1,214	5	0.0%	411.9
White, only	1,327,138	724	6.8%	54.6	1,278,564	3,038	14.5%	237.6
Multiracial/Another Race	58,194	506	4.7%	869.5	52,420	1,154	5.5%	2,201.5
Total	2,695,803	10,667	100.0%	395.7	2,515,263	20,949	100.0%	832.9

Note. Population data by assigned sex at birth, age, and race/ethnicity are from the 2022 United States Census population estimates.

Table 14 – CD4 Test Results during 2022 for People Aged 13+ Living with Diagnosed HIV, Alive on December 31, 2022, by Assigned Sex at Birth, Gender Identity, Race/Ethnicity, and Country of Birth, Reported through June 30, 2023

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+
Assigned Sex at Birth								
Female	10,667	8,055	75.5%	691	6.6%	9.1%	13.0%	71.4%
Male	20,949	15,743	75.1%	624	7.0%	11.0%	16.2%	65.7%
Gender Identity								
Cisgender Man or Boy	20,623	15,482	75.1%	623	6.9%	11.1%	16.3%	65.6%
Cisgender Woman or Girl	10,646	8,039	75.5%	692	6.6%	9.1%	12.9%	71.4%
Transgender Man or Boy	18	***	***	***	***	***	***	***
Transgender Woman or Girl	328	263	80.2%	687	7.6%	8.0%	12.2%	72.2%
Another Gender Identity	1	***	***	***	***	***	***	***
Race/Ethnicity								
Hispanic	2,447	1,841	75.2%	634	7.1%	10.8%	15.2%	66.9%
Non-Hispanic	29,169	21,957	75.3%	646	6.8%	10.3%	15.1%	67.7%
American Indian/Alaska Native, only	15	***	***	***	***	***	***	***
Asian, only	257	195	75.9%	592	5.6%	8.2%	21.0%	65.1%
Black, only	23,470	17,753	75.6%	644	7.0%	10.4%	15.0%	67.6%
Native Hawaiian/Other Pacific Islander, only	5	***	***	***	***	***	***	***
White, only	3,762	2,722	72.4%	667	5.3%	10.1%	15.6%	69.0%
Multiracial/Another Race	1,660	1,274	76.7%	633	7.1%	10.5%	15.7%	66.7%
Country of Birth								
United States	26,420	20,092	76.0%	648	7.1%	10.3%	14.8%	67.8%
Foreign-Born People	4,356	3,119	71.6%	616	5.8%	11.1%	17.1%	66.0%
Africa	2,695	1,927	71.5%	612	5.7%	10.4%	17.7%	66.2%
Asia	210	157	74.8%	576	4.5%	9.6%	22.9%	63.1%
Caribbean	339	241	71.1%	664	7.1%	13.3%	14.1%	65.6%
Central America	749	550	73.4%	589	6.4%	14.5%	15.6%	63.5%
Other	363	244	67.2%	668	4.5%	8.2%	14.3%	73.0%
Unknown	840	587	69.9%	688	4.8%	7.3%	15.3%	72.6%
Total	31,616	23,798	75.3%	644	6.8%	10.4%	15.1%	67.7%

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

Table 15 – Viral Load Test Results during 2022 for People Aged 13+ Living with Diagnosed HIV, Alive on December 31, 2022, by Assigned Sex at Birth, Gender Identity, Race/Ethnicity, and Country of Birth, Reported through June 30, 2023

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	
Assigned Sex at Birth					
Female	10,667	7,845	73.5%	88.9%	5,190
Male	20,949	15,142	72.3%	89.2%	8,095
Gender Identity					
Cisgender Man or Boy	20,623	14,885	72.2%	89.4%	7,990
Cisgender Woman or Girl	10,646	7,828	73.5%	88.9%	5,210
Transgender Man or Boy	18	***	***	***	***
Transgender Woman or Girl	328	259	79.0%	79.9%	9,210
Another Gender Identity	1	***	***	***	***
Race/Ethnicity					
Hispanic	2,447	1,770	72.3%	89.5%	12,300
Non-Hispanic	29,169	21,217	72.7%	89.1%	6,535
American Indian/Alaska Native, only	15	***	***	***	***
Asian, only	257	192	74.7%	96.4%	1,910
Black, only	23,470	16,997	72.4%	88.4%	6,565
Native Hawaiian/Other Pacific Islander, only	5	***	***	***	***
White, only	3,762	2,774	73.7%	92.4%	5,770
Multiracial/Another Race	1,660	1,241	74.8%	89.7%	7,230
Country of Birth					
United States	26,420	19,528	73.9%	88.7%	7,170
Foreign-Born People	4,356	2,908	66.8%	91.2%	4,540
Africa	2,695	1,747	64.8%	91.1%	3,710
Asia	210	156	74.3%	96.2%	17,770
Caribbean	339	227	67.0%	90.7%	7,670
Central America	749	543	72.5%	89.9%	8,040
Other	363	235	64.7%	91.9%	1,560
Unknown	840	551	65.6%	93.3%	7,830
Total	31,616	22,987	72.7%	89.1%	6,790

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

Table 16 – Females Living with Diagnosed HIV by Age on December 31, 2022 and Race/Ethnicity, Alive on December 31, 2022, and Reported through June 30, 2023

Age on December 31, 2022		Total Females Living with Diagnosed HIV				Total Females by Age Group
		Race/Ethnicity				
		Hispanic	Non-Hispanic Black, only	Non-Hispanic White, only	Non-Hispanic Another Race	
<13 (Pediatric)	Population	85,443	143,021	180,487	57,996	466,948
	Number	0	15	1	0	16
	Rate	0.0	10.5	0.6	0.0	3.4
	Ratio (1 in X)	--	9,535	180,487	--	29,184
13-19	Population	41,217	83,055	109,879	31,714	265,864
	Number	4	45	6	3	58
	Rate	9.7	54.2	5.5	9.5	21.8
	Ratio (1 in X)	10,304	1,846	18,313	10,571	4,584
20-29	Population	48,096	129,069	164,938	40,476	382,579
	Number	34	369	19	15	437
	Rate	70.7	285.9	11.5	37.1	114.2
	Ratio (1 in X)	1,415	350	8,681	2,698	875
30-39	Population	48,709	142,691	192,053	45,527	428,980
	Number	95	1,125	116	82	1,418
	Rate	195.0	788.4	60.4	180.1	330.6
	Ratio (1 in X)	513	127	1,656	555	303
40-49	Population	48,523	128,640	172,045	44,663	393,871
	Number	142	2,005	177	142	2,466
	Rate	292.6	1,558.6	102.9	317.9	626.1
	Ratio (1 in X)	342	64	972	315	160
50-59	Population	34,032	140,356	211,840	38,091	424,319
	Number	151	2,756	214	156	3,277
	Rate	443.7	1,963.6	101.0	409.5	772.3
	Ratio (1 in X)	225	51	990	244	129
60-69	Population	20,427	121,014	220,243	29,254	390,938
	Number	73	1,924	149	130	2,276
	Rate	357.4	1,589.9	67.7	444.4	582.2
	Ratio (1 in X)	280	63	1,478	225	172
70+	Population	15,130	109,139	256,140	28,843	409,252
	Number	33	626	43	33	735
	Rate	218.1	573.6	16.8	114.4	179.6
	Ratio (1 in X)	458	174	5,957	874	557
Total Females by Race/Ethnicity	Population	341,577	996,985	1,507,625	316,564	3,162,751
	Number	528	8,820	719	558	10,625
	Rate	154.6	884.7	47.7	176.3	335.9
	Ratio (1 in X)	647	113	2,097	567	298

Table 17 – Females Aged 13+ Living with Diagnosed HIV by Alternate Age Categories by Age on December 31, 2022 and Race/Ethnicity, Alive on December 31, 2022, and Reported through June 30, 2023

Age on December 31, 2022		Total Females Living with Diagnosed HIV				Total Females by Age Group
		Race/Ethnicity				
		Hispanic	Non-Hispanic Black, only	Non-Hispanic White, only	Non-Hispanic Another Race	
13-24	Population	66,401	146,210	191,800	51,969	456,379
	Number	14	142	12	5	173
	Rate	21.1	97.1	6.3	9.6	37.9
	Ratio (1 in X)	4,743	1,030	15,983	10,394	2,638
25-34	Population	46,537	139,005	177,490	42,457	405,489
	Number	66	740	57	42	905
	Rate	141.8	532.4	32.1	98.9	223.2
	Ratio (1 in X)	705	188	3,114	1,011	448
35-44	Population	51,216	136,676	187,866	46,350	422,108
	Number	128	1,557	155	113	1,953
	Rate	249.9	1,139.2	82.5	243.8	462.7
	Ratio (1 in X)	400	88	1,212	410	216
45-54	Population	41,022	130,721	181,198	41,935	394,876
	Number	145	2,426	199	159	2,929
	Rate	353.5	1,855.9	109.8	379.2	741.8
	Ratio (1 in X)	283	54	911	264	135
55-64	Population	27,307	137,425	228,673	33,662	427,067
	Number	120	2,608	203	155	3,086
	Rate	439.4	1,897.8	88.8	460.5	722.6
	Ratio (1 in X)	228	53	1,126	217	138
65+	Population	23,651	163,927	360,111	42,195	589,884
	Number	59	1,377	98	87	1,621
	Rate	249.5	840.0	27.2	206.2	274.8
	Ratio (1 in X)	401	119	3,675	485	364
Total Females by Race/Ethnicity	Population	256,134	853,964	1,327,138	258,568	2,695,803
	Number	532	8,850	724	561	10,667
	Rate	207.7	1,036.3	54.6	217.0	395.7
	Ratio (1 in X)	481	96	1,833	461	253

Table 18 – Males Living with Diagnosed HIV by Age on December 31, 2022 and Race/Ethnicity, Alive on December 31, 2022, and Reported through June 30, 2023

Age on December 31, 2022		Total Males Living with Diagnosed HIV				Total Males by Age Group
		Race/Ethnicity				
		Hispanic	Non-Hispanic Black, only	Non-Hispanic White, only	Non-Hispanic Another Race	
<13 (Pediatric)	Population	89,891	146,147	189,880	60,728	486,646
	Number	1	10	3	2	16
	Rate	1.1	6.8	1.6	3.3	3.3
	Ratio (1 in X)	89,891	14,615	63,293	30,364	30,415
13-19	Population	43,532	84,852	115,904	32,981	277,269
	Number	10	54	4	0	68
	Rate	23.0	63.6	3.5	0.0	24.5
	Ratio (1 in X)	4,353	1,571	28,976	--	4,077
20-29	Population	50,536	124,076	172,995	39,146	386,753
	Number	227	1,268	100	84	1,679
	Rate	449.2	1,022.0	57.8	214.6	434.1
	Ratio (1 in X)	223	98	1,730	466	230
30-39	Population	54,064	129,847	195,934	40,917	420,762
	Number	507	3,431	415	294	4,647
	Rate	937.8	2,642.3	211.8	718.5	1,104.4
	Ratio (1 in X)	107	38	472	139	91
40-49	Population	58,267	111,005	173,629	38,415	381,316
	Number	512	2,461	522	268	3,763
	Rate	878.7	2,217.0	300.6	697.6	986.8
	Ratio (1 in X)	114	45	333	143	101
50-59	Population	38,505	119,328	209,517	33,091	400,441
	Number	405	3,591	898	373	5,267
	Rate	1,051.8	3,009.4	428.6	1,127.2	1,315.3
	Ratio (1 in X)	95	33	233	89	76
60-69	Population	19,830	95,350	211,399	24,957	351,536
	Number	204	2,949	815	279	4,247
	Rate	1,028.7	3,092.8	385.5	1,117.9	1,208.1
	Ratio (1 in X)	97	32	259	89	83
70+	Population	10,614	65,778	199,186	21,608	297,186
	Number	50	866	284	78	1,278
	Rate	471.1	1,316.5	142.6	361.0	430.0
	Ratio (1 in X)	212	76	701	277	233
Total Males by Race/Ethnicity	Population	365,239	876,383	1,468,444	291,843	3,001,909
	Number	1,906	14,576	3,037	1,378	20,897
	Rate	521.9	1,663.2	206.8	472.2	696.1
	Ratio (1 in X)	192	60	484	212	144

Table 19 – Males Aged 13+ Living with Diagnosed HIV by Alternate Age Categories by Age on December 31, 2022 and Race/Ethnicity, Alive on December 31, 2022, and Reported through June 30, 2023

Age on December 31, 2022		Total Males Living with Diagnosed HIV				Total Males by Age Group
		Race/Ethnicity				
		Hispanic	Non-Hispanic Black, only	Non-Hispanic White, only	Non-Hispanic Another Race	
13-24	Population	70,014	146,544	201,551	52,910	471,019
	Number	75	444	23	29	571
	Rate	107.1	303.0	11.4	54.8	121.2
	Ratio (1 in X)	934	330	8,763	1,824	825
25-34	Population	49,501	130,897	183,668	39,610	403,676
	Number	415	2,610	271	201	3,497
	Rate	838.4	1,993.9	147.5	507.4	866.3
	Ratio (1 in X)	119	50	678	197	115
35-44	Population	60,500	119,631	190,961	40,454	411,546
	Number	514	3,076	473	282	4,345
	Rate	849.6	2,571.2	247.7	697.1	1,055.8
	Ratio (1 in X)	118	39	404	143	95
45-54	Population	47,979	111,844	180,656	36,353	376,832
	Number	464	2,632	617	295	4,008
	Rate	967.1	2,353.3	341.5	811.5	1,063.6
	Ratio (1 in X)	103	42	293	123	94
55-64	Population	28,866	115,063	225,091	28,845	397,865
	Number	326	3,850	1,050	382	5,608
	Rate	1,129.4	3,346.0	466.5	1,324.3	1,409.5
	Ratio (1 in X)	89	30	214	76	71
65+	Population	18,488	106,257	296,637	32,943	454,325
	Number	121	2,008	604	187	2,920
	Rate	654.5	1,889.8	203.6	567.6	642.7
	Ratio (1 in X)	153	53	491	176	156
Total Males by Race/Ethnicity	Population	275,348	730,236	1,278,564	231,115	2,515,263
	Number	1,915	14,620	3,038	1,376	20,949
	Rate	695.5	2,002.1	237.6	595.4	832.9
	Ratio (1 in X)	144	50	421	168	120

Section VII – By HIV Exposure Category

Table 20 – Reported HIV Diagnoses, among People Aged 13+ during 2022, Linked to Care, Viral Suppression, Late Diagnosis, and First CD4 Test Result, by Estimated or Reported Exposure Category and Assigned Sex at Birth, Reported through June 30, 2023

Estimated or Reported Exposure Category	Reported HIV Diagnoses among People Aged 13+					First CD4 Test Result	
	No.	% of Total	% Linked to Care	% Virally Suppressed - 6 months	% Late HIV Diagnoses	% with Test	Median Count
Male-to-male Sexual Contact (MMSC)	416	55.3%	87.4%	62.4%	19.3%	96.5%	407
Injection Drug Use (IDU)	43	5.8%	***	***	***	97.2%	288
Male-to-male Sexual Contact and Injection Drug Use (MMSC/IDU)	9	1.1%	***	***	***	75.6%	407
Heterosexual Contact (HET)	284	37.8%	83.6%	66.4%	27.7%	97.1%	361
Perinatal Transmission	0	0.0%	--	--	--	--	--
Other Exposure	0	0.0%	--	--	--	--	--
No Estimated or Reported Exposure	0	0.0%	--	--	--	--	--
Total	751	100.0%	85.0%	63.1%	23.4%	96.5%	380
Female Estimated or Reported Exposure Category							
Injection Drug Use (IDU)	25	13.1%	74.5%	59.5%	36.0%	97.2%	333
Heterosexual Contact (HET)	163	86.9%	83.0%	71.8%	22.1%	97.4%	399
Perinatal Transmission	0	0.0%	--	--	--	--	--
Other Exposure	0	0.0%	--	--	--	--	--
No Estimated or Reported Exposure	0	0.0%	--	--	--	--	--
Total	188	100.0%	81.9%	70.2%	23.9%	97.3%	396
Male Estimated or Reported Exposure Category							
Male-to-male Sexual Contact (MMSC)	416	73.8%	87.4%	62.4%	19.3%	96.5%	407
Injection Drug Use (IDU)	19	3.3%	***	***	***	97.3%	263
Male-to-male Sexual Contact and Injection Drug Use (MMSC/IDU)	9	1.5%	***	***	***	75.6%	407
Heterosexual Contact (HET)	120	21.4%	84.4%	58.2%	35.3%	96.8%	313
Perinatal Transmission	0	0.0%	--	--	--	--	--
Other Exposure	0	0.0%	--	--	--	--	--
No Estimated or Reported Exposure	0	0.0%	--	--	--	--	--
Total	563	100.0%	86.0%	60.6%	23.3%	96.3%	371

Note. 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. Exposure category is based on sex at birth. For exposure category by gender identity, please see the Maryland HIV Epidemiological Profile Gender Diverse People Supplement.

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

Table 21 – People Aged 13+ Living with Diagnosed HIV, Alive on December 31, 2022, by Estimated or Reported Exposure Category and Assigned Sex at Birth, Reported through June 30, 2023

Estimated or Reported Exposure Category	Total People Aged 13+ Living with Diagnosed HIV	
	No.	% of Total
Male-to-male Sexual Contact (MMSC)	13,050	41.3%
Injection Drug Use (IDU)	4,609	14.6%
Male-to-male Sexual Contact and Injection Drug Use (MMSC/IDU)	1,079	3.4%
Heterosexual Contact (HET)	12,321	39.0%
Perinatal Transmission	433	1.4%
Other Exposure	40	0.1%
No Estimated or Reported Exposure	84	0.3%
Total	31,616	100.0%

Female Estimated or Reported Exposure Category		
Injection Drug Use (IDU)	1,970	18.5%
Heterosexual Contact (HET)	8,380	78.6%
Perinatal Transmission	254	2.4%
Other Exposure	18	0.2%
No Estimated or Reported Exposure	45	0.4%
Total	10,667	100.0%

Male Estimated or Reported Exposure Category		
Male-to-male Sexual Contact (MMSC)	13,050	62.3%
Injection Drug Use (IDU)	2,638	12.6%
Male-to-male Sexual Contact and Injection Drug Use (MMSC/IDU)	1,079	5.1%
Heterosexual Contact (HET)	3,942	18.8%
Perinatal Transmission	179	0.9%
Other Exposure	22	0.1%
No Estimated or Reported Exposure	39	0.2%
Total	20,949	100.0%

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

Table 22 – People Aged 13+ Living with Diagnosed HIV by Estimated or Reported Exposure Category, Race/Ethnicity, and Assigned Sex at Birth, Alive on December 31, 2022, and Reported through June 30, 2023

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 (MMSC)	1,326	54.2%	8,432	35.9%	2,352	62.5%
Injection Drug Use (IDU)	132	5.4%	3,699	15.8%	505	13.4%
Male-to-male Sexual Contact and Injection Drug Use (MMSC/IDU)	64	2.6%	751	3.2%	172	4.6%
Heterosexual Contact (HET)	896	36.6%	10,132	43.2%	687	18.2%
Perinatal Transmission	21	0.9%	372	1.6%	23	0.6%
Other Exposure	2	0.1%	16	0.1%	18	0.5%
No Estimated or Reported Exposure	6	0.2%	68	0.3%	6	0.2%
Total	2,447	100.0%	23,470	100.0%	3,763	100.0%
Female Estimated or Reported Exposure Category						
Injection Drug Use (IDU)	54	10.1%	1,517	17.1%	261	36.1%
Heterosexual Contact (HET)	466	87.5%	7,061	79.8%	442	61.0%
Perinatal Transmission	10	1.9%	221	2.5%	14	1.9%
Other Exposure	0	0.0%	13	0.1%	3	0.4%
No Estimated or Reported Exposure	3	0.6%	37	0.4%	4	0.6%
Total	533	100.0%	8,849	100.0%	724	100.0%
Male Estimated or Reported Exposure Category						
Male-to-male Sexual Contact (MMSC)	1,326	69.2%	8,432	57.7%	2,352	77.4%
Injection Drug Use (IDU)	79	4.1%	2,182	14.9%	243	8.0%
Male-to-male Sexual Contact and Injection Drug Use (MMSC/IDU)	64	3.3%	751	5.1%	172	5.7%
Heterosexual Contact (HET)	431	22.5%	3,070	21.0%	245	8.1%
Perinatal Transmission	11	0.6%	151	1.0%	9	0.3%
Other Exposure	2	0.1%	3	0.0%	15	0.5%
No Estimated or Reported Exposure	3	0.2%	31	0.2%	2	0.1%
Total	1,916	100.0%	14,620	100.0%	3,038	100.0%

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

Table 23 – CD4 Test Results during 2022 for People Aged 13+ Living with Diagnosed HIV, Alive on December 31, 2022, by Estimated or Reported Exposure Category, Reported through June 30, 2023

Estimated or Reported Exposure Category	Total People Aged 13+ with Living Diagnosed HIV							
	No.	Recent CD4 Test Results						500+
		No. with Test	% with Test	Median Count	<200	200-349	350-499	
Male-to-male Sexual Contact (MMSA)	13,050	9,940	76.2%	658	5.4%	9.4%	15.1%	70.0%
Injection Drug Use (IDU)	4,609	3,449	74.8%	583	10.6%	13.4%	16.0%	60.0%
Male-to-male Sexual Contact and Injection Drug Use (MMSA/IDU)	1,079	818	75.8%	562	9.3%	14.6%	17.9%	58.2%
Heterosexual Contact (HET)	12,321	9,172	74.4%	659	6.4%	9.8%	14.8%	69.0%
Perinatal Transmission	433	322	74.4%	602	15.5%	11.2%	9.0%	64.3%
Other Exposure	40	34	85.0%	503	14.7%	11.8%	23.5%	50.0%
No Estimated or Reported Exposure	84	64	76.2%	558	6.3%	17.2%	10.9%	65.6%
Total	31,616	23,798	75.3%	644	6.8%	10.4%	15.1%	67.7%

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 24 – Viral Load Test Results during 2022 for People Aged 13+ Living with Diagnosed HIV, Alive on December 31, 2022, by Estimated or Reported Exposure Category, Reported through June 30, 2023

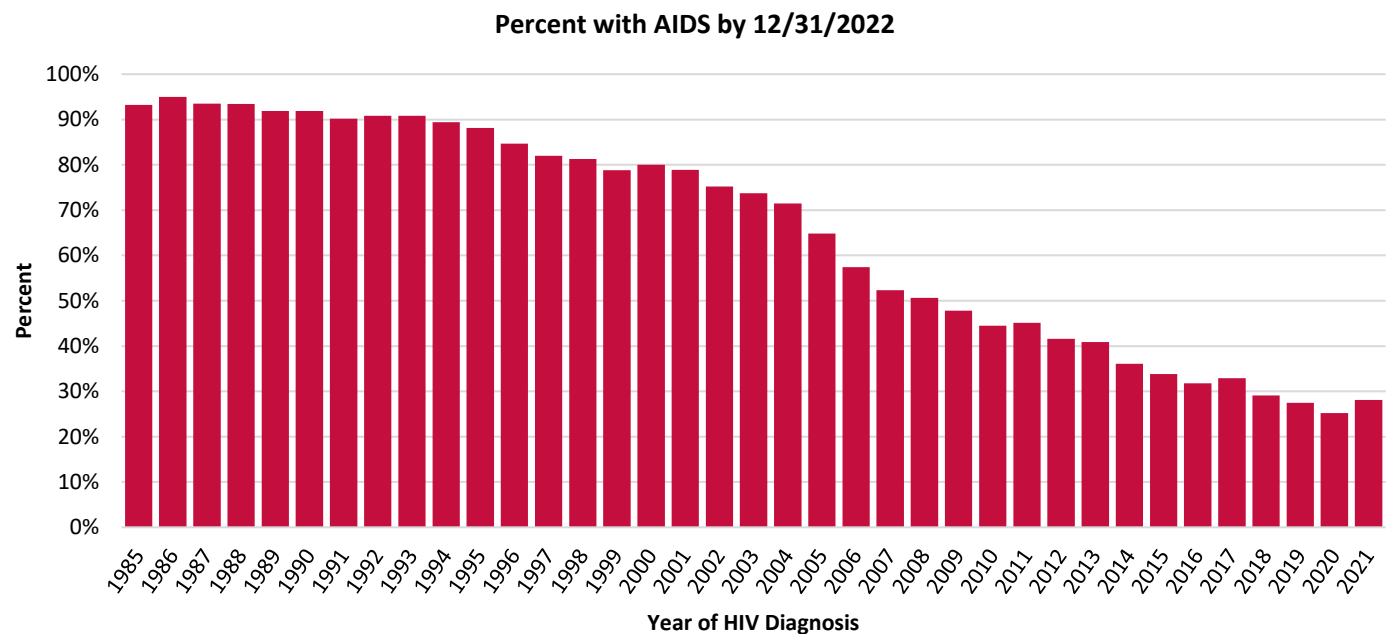
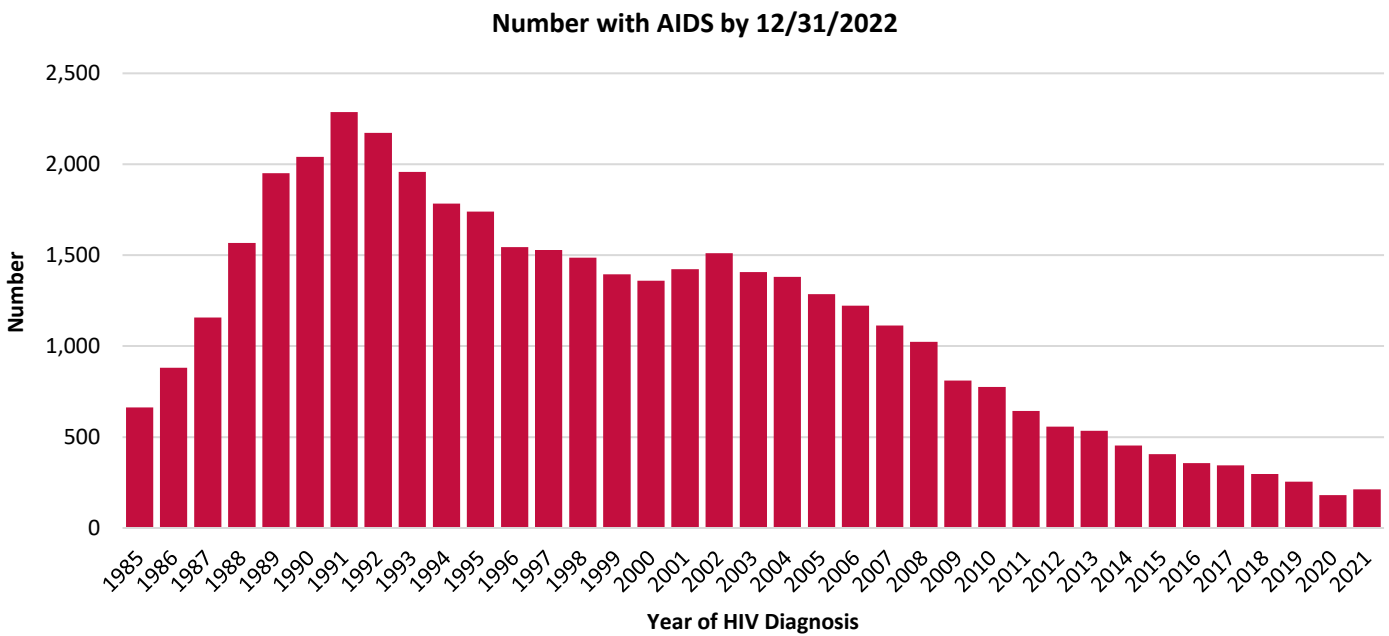
Estimated or Reported Exposure Category	Total People Aged 13+ with Living Diagnosed HIV				
	No.	Recent Viral Load Test Results			Median Unsuppressed Viral Load
		No. with Test	% with Test	% Suppressed	
Male-to-male Sexual Contact (MMSA)	13,050	9,559	73.2%	89.3%	8,570
Injection Drug Use (IDU)	4,609	3,417	74.1%	87.8%	4,890
Male-to-male Sexual Contact and Injection Drug Use (MMSA/IDU)	1,079	810	75.0%	89.0%	7,110
Heterosexual Contact (HET)	12,321	8,755	71.1%	90.0%	5,970
Perinatal Transmission	433	349	80.6%	73.6%	10,145
Other Exposure	40	33	82.5%	100.0%	--
No Estimated or Reported Exposure	84	64	76.2%	76.6%	2,710
Total	31,616	22,987	72.7%	89.1%	6,790

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, 1985-2021, Reported through June 30, 2023

Number of People Aged 13+ with Diagnosed HIV, Aged 13+ at HIV Diagnosis, (HIV Diagnoses among People Aged 13+), Number of People Aged 13+ with Diagnosed HIV with an AIDS Diagnosis by December 31, 2022, Percent by Year of HIV Diagnosis of Reported HIV Diagnoses with an AIDS Diagnosis among People Aged 13+ by December 31, 2022, the Average Years from HIV Diagnosis to AIDS Diagnosis for People with an AIDS Diagnosis, and the Percent by Year of HIV Diagnosis of HIV Diagnoses with an 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 2021, Reported through June 30, 2023



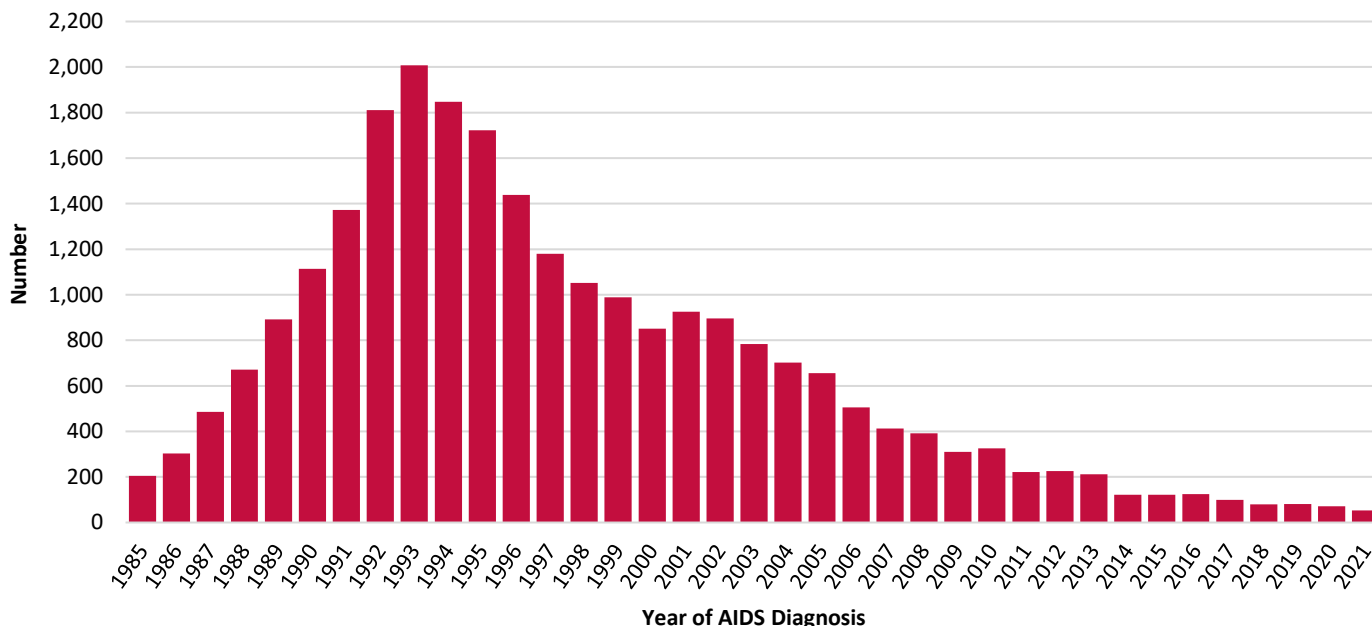
HIV Diagnoses among People Aged 13+

Year of HIV Diagnosis	No.	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	381	366	96.1%	7.4	37.3%	37.3%	40.4%	65.4%
1985	711	663	93.2%	6.3	30.9%	32.5%	40.4%	75.4%
1986	927	881	95.0%	5.3	36.1%	37.2%	49.0%	82.3%
1987	1,239	1,158	93.5%	4.5	37.9%	40.4%	57.1%	83.6%
1988	1,678	1,567	93.4%	3.9	40.5%	44.5%	65.6%	86.2%
1989	2,122	1,951	91.9%	3.5	41.1%	45.9%	69.1%	85.1%
1990	2,221	2,040	91.9%	3.2	44.0%	51.2%	72.8%	85.5%
1991	2,535	2,287	90.2%	2.9	46.5%	55.7%	74.2%	84.3%
1992	2,392	2,172	90.8%	2.8	49.5%	58.4%	74.8%	83.8%
1993	2,156	1,958	90.8%	2.3	55.6%	63.9%	77.4%	86.1%
1994	1,996	1,784	89.4%	2.3	57.3%	64.5%	75.7%	83.9%
1995	1,974	1,739	88.1%	2.4	58.2%	63.7%	72.6%	82.5%
1996	1,824	1,545	84.7%	2.2	59.0%	63.2%	70.7%	79.7%
1997	1,864	1,529	82.0%	2.3	55.6%	60.2%	68.6%	76.7%
1998	1,828	1,486	81.3%	2.2	55.8%	59.7%	67.7%	75.7%
1999	1,769	1,394	78.8%	2.0	56.6%	60.6%	67.8%	74.2%
2000	1,699	1,360	80.0%	2.2	54.9%	58.9%	67.9%	75.3%
2001	1,804	1,423	78.9%	2.0	56.1%	59.8%	68.4%	74.2%
2002	2,009	1,511	75.2%	2.0	54.1%	57.8%	64.7%	70.8%
2003	1,908	1,407	73.7%	1.9	53.6%	57.0%	62.9%	69.9%
2004	1,932	1,381	71.5%	2.1	50.3%	53.6%	59.6%	67.1%
2005	1,982	1,285	64.8%	2.0	45.7%	48.7%	54.6%	61.2%
2006	2,128	1,222	57.4%	2.2	38.3%	40.7%	47.8%	54.0%
2007	2,127	1,113	52.3%	2.4	32.3%	35.0%	41.9%	48.8%
2008	2,023	1,024	50.6%	2.3	31.5%	34.7%	42.2%	47.6%
2009	1,693	810	47.8%	2.3	29.7%	32.4%	39.3%	45.7%
2010	1,742	776	44.5%	2.1	28.0%	30.7%	36.7%	42.5%
2011	1,427	644	45.1%	1.8	30.3%	33.8%	38.0%	43.7%
2012	1,338	557	41.6%	1.6	29.4%	32.1%	36.9%	41.0%
2013	1,309	535	40.9%	1.3	31.2%	32.7%	36.7%	--
2014	1,257	454	36.1%	1.3	25.8%	28.2%	32.9%	--
2015	1,201	406	33.8%	1.1	25.6%	27.8%	31.2%	--
2016	1,122	357	31.8%	0.9	24.9%	27.0%	30.5%	--
2017	1,048	345	32.9%	0.7	27.7%	29.1%	31.9%	--
2018	1,019	297	29.1%	0.6	25.1%	26.5%	--	--
2019	927	255	27.5%	0.3	24.9%	26.1%	--	--
2020	714	180	25.2%	0.2	23.7%	24.4%	--	--
2021	758	213	28.1%	0.2	26.6%	--	--	--
Total	60,784	42,075	69.2%	2.6	42.8%	46.9%	56.2%	64.8%

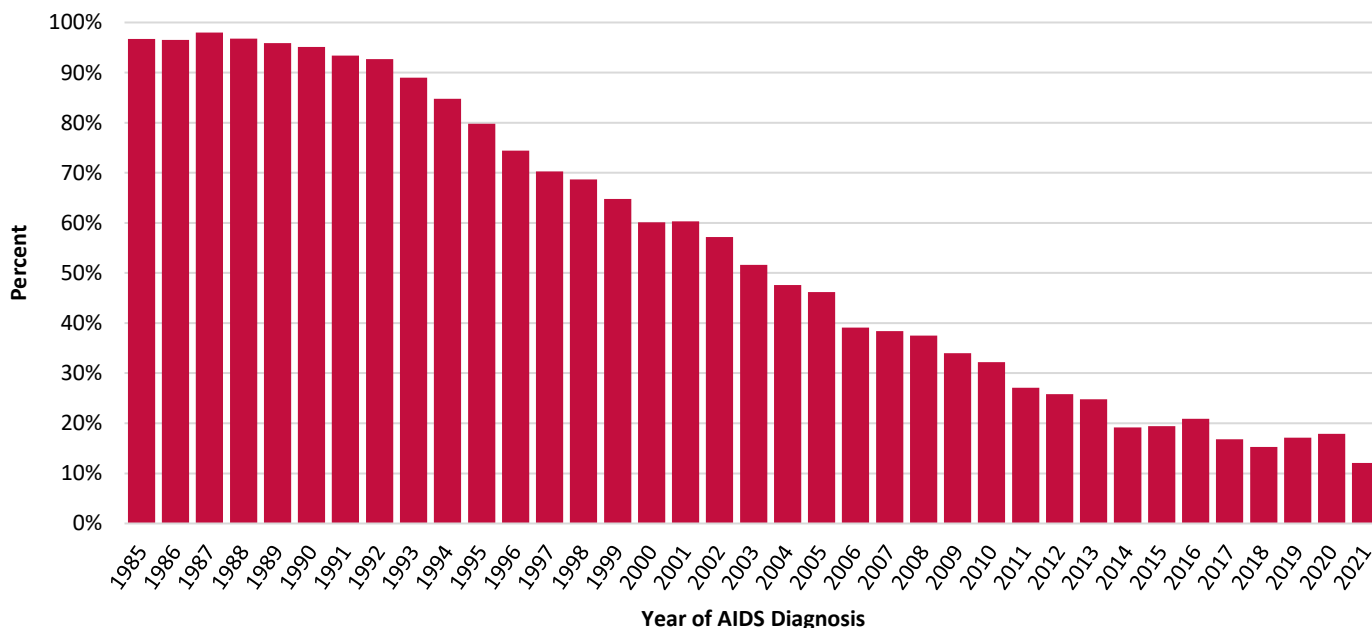
Figure 11 – Trends in Survival Times by Year of AIDS Diagnosis, 1985-2021, Reported through June 30, 2023

Number of People Aged 13+ with Diagnosed HIV, Aged 13+ at HIV Diagnosis, with an AIDS Diagnosis by December 31, 2021, Number of AIDS Diagnoses among People Aged 13+ Reported to Have Died of Any Cause by December 31, 2022 (Reported Deaths), Percent by Year of AIDS Diagnosis of AIDS Diagnoses with a Reported Death (Percent Dead) among People Aged 13+ by December 31, 2022, the Average Years from AIDS Diagnosis to Death for People that have Died, and the Percent by Year of AIDS Diagnosis of 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 2021, Reported through June 30, 2023

Number Deceased by 12/31/2022



Percent Deceased by 12/31/2022



AIDS Diagnoses among People Aged 13+								
Year of AIDS Diagnosis	No.	Deaths Among AIDS Diagnoses			Percent Alive by Years After AIDS Diagnosis			
		No.	% Deceased	Mean Years from AIDS to Death	1 Year	2 Years	5 Years	10 Years
<1985	146	141	96.6%	1.7	43.2%	21.2%	11.0%	8.2%
1985	212	205	96.7%	1.9	42.5%	19.8%	11.3%	6.1%
1986	314	303	96.5%	2.2	51.3%	33.1%	13.1%	8.3%
1987	496	486	98.0%	2.2	57.1%	31.7%	11.1%	5.8%
1988	693	671	96.8%	2.3	60.6%	38.1%	14.0%	6.5%
1989	930	892	95.9%	3.0	64.0%	43.5%	17.7%	9.7%
1990	1,171	1,114	95.1%	3.3	66.7%	48.0%	21.3%	12.1%
1991	1,469	1,372	93.4%	3.0	68.4%	48.2%	18.9%	12.8%
1992	1,954	1,811	92.7%	3.5	71.9%	50.6%	22.3%	16.3%
1993	2,256	2,008	89.0%	4.3	77.2%	56.5%	33.2%	22.4%
1994	2,179	1,847	84.8%	4.6	78.1%	59.0%	39.8%	26.7%
1995	2,159	1,722	79.8%	6.0	78.7%	67.6%	51.8%	37.6%
1996	1,934	1,439	74.4%	6.3	82.2%	75.5%	60.0%	43.2%
1997	1,679	1,180	70.3%	6.9	85.5%	78.3%	63.7%	48.6%
1998	1,532	1,052	68.7%	7.0	87.0%	80.8%	66.1%	49.3%
1999	1,527	989	64.8%	6.7	87.4%	80.9%	66.6%	51.8%
2000	1,416	851	60.1%	7.0	88.2%	83.6%	69.7%	56.4%
2001	1,535	926	60.3%	6.2	86.6%	79.6%	66.6%	55.0%
2002	1,567	896	57.2%	6.7	88.7%	83.7%	71.7%	59.7%
2003	1,519	784	51.6%	5.8	85.8%	80.4%	70.7%	61.2%
2004	1,474	702	47.6%	6.2	88.8%	84.4%	75.0%	65.5%
2005	1,421	656	46.2%	6.3	89.4%	85.4%	76.5%	67.7%
2006	1,291	505	39.1%	5.3	89.5%	85.7%	77.5%	68.6%
2007	1,075	413	38.4%	5.3	89.5%	86.5%	79.5%	69.3%
2008	1,046	392	37.5%	5.0	89.4%	85.5%	78.6%	70.2%
2009	913	310	34.0%	4.5	90.5%	87.4%	80.1%	70.6%
2010	1,010	325	32.2%	4.7	91.7%	88.9%	82.8%	72.6%
2011	815	221	27.1%	4.1	93.9%	90.9%	82.9%	74.6%
2012	876	226	25.8%	3.8	91.6%	89.7%	83.8%	74.7%
2013	856	212	24.8%	3.5	92.5%	89.3%	83.5%	--
2014	636	122	19.2%	2.8	92.5%	89.6%	86.2%	--
2015	630	122	19.4%	2.4	92.2%	90.0%	84.4%	--
2016	592	124	20.9%	1.8	90.4%	86.8%	81.3%	--
2017	591	99	16.8%	1.7	93.2%	89.2%	84.1%	--
2018	515	79	15.3%	1.4	91.7%	89.9%	--	--
2019	475	81	17.1%	0.8	88.8%	85.1%	--	--
2020	396	71	17.9%	0.6	87.4%	83.1%	--	--
2021*	438	53	12.1%	0.5	89.3%	--	--	--
Total	41,738	25,402	60.9%	4.9	82.7%	73.3%	59.2%	49.3%

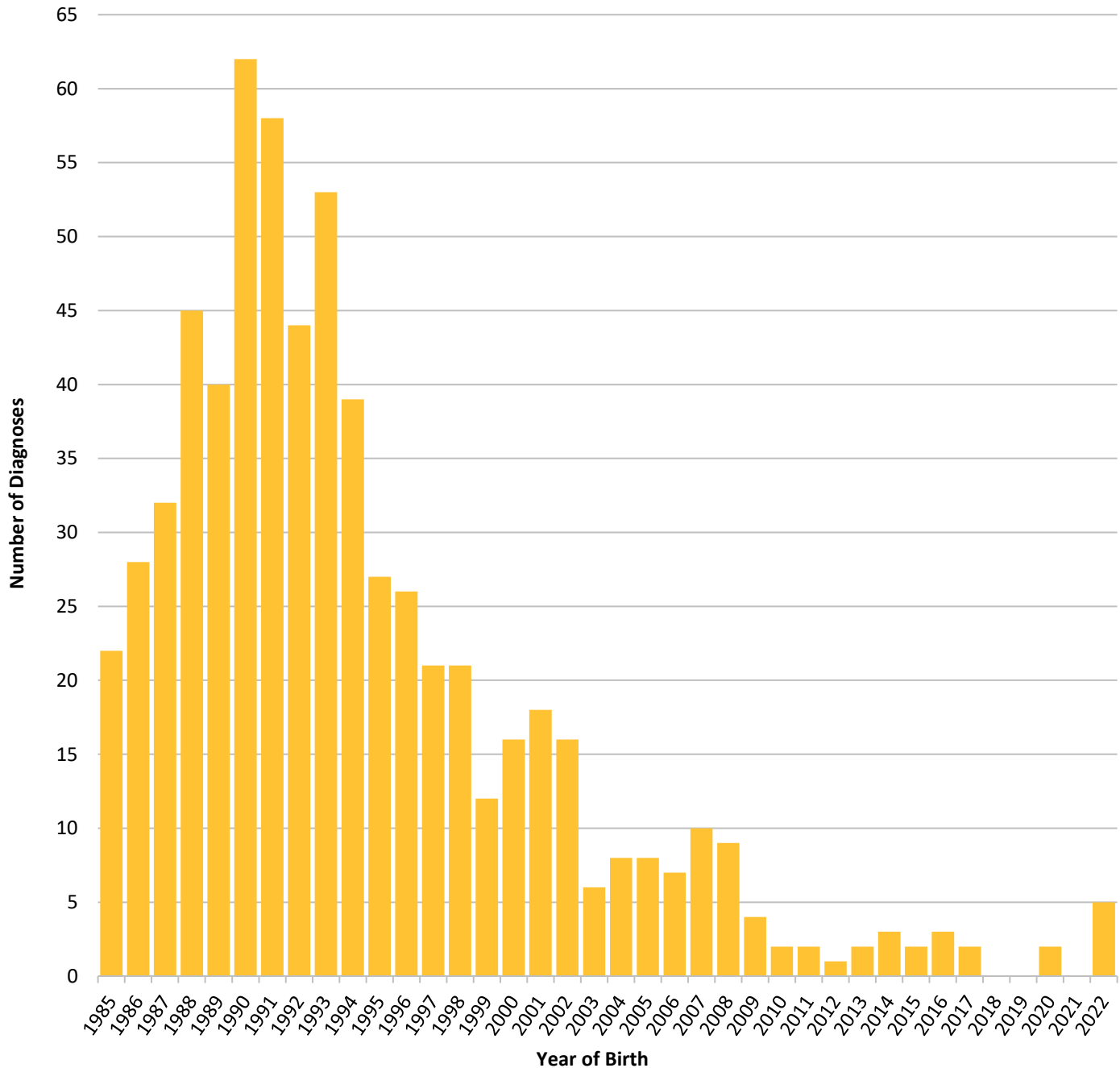
*2021 deaths among AIDS diagnoses are preliminary.

Section IX – Pediatrics

Figure 12 – Trends in HIV Diagnoses among People Aged <13, 1985-2022, Reported through June 30, 2023

Number of Pediatric HIV Diagnoses, Age <13 at HIV Diagnosis, 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 2022, as Reported by Name through June 30, 2023

Pediatric Reported HIV Diagnoses



Year	Number of Pediatric HIV Diagnoses				Total Pediatric Diagnoses Alive on December 31st of Each Year
	By Birth Year	By HIV Diagnosis Year	By AIDS Diagnosis Year	By Death Year	
<1985	55	5	3	0	--
1985	22	13	8	2	17
1986	28	15	6	4	28
1987	32	21	14	5	44
1988	45	29	19	6	67
1989	40	37	25	8	96
1990	62	54	23	9	141
1991	58	58	35	12	187
1992	44	65	38	12	239
1993	53	56	37	16	277
1994	39	41	29	16	302
1995	27	28	23	20	309
1996	26	36	26	19	324
1997	21	18	12	7	335
1998	21	21	13	6	348
1999	12	24	13	5	365
2000	16	16	5	1	380
2001	18	14	11	5	389
2002	16	14	8	4	399
2003	6	6	3	6	398
2004	8	11	6	5	405
2005	8	8	5	1	412
2006	7	15	7	4	424
2007	10	43	10	5	462
2008	9	15	8	3	476
2009	4	10	7	2	485
2010	2	3	8	6	484
2011	2	3	8	5	484
2012	1	3	3	4	486
2013	2	3	11	3	487
2014	3	6	4	1	493
2015	2	0	8	3	491
2016	3	4	7	4	492
2017	2	3	3	3	494
2018	0	4	9	3	495
2019	0	0	6	2	496
2020	2	1	2	2	495
2021	0	2	3	2	496
2022	5	6	3	3	499
Total	711	711	469	224	--

Table 25 – People Aged <13 Living with Diagnosed HIV, Alive on December 31, 2022, by Jurisdiction of Current Residence, Reported through June 30, 2023

Jurisdiction of Current Residence	Total People Aged <13 Living with Diagnosed HIV	
	No.	% of Total
Allegany	1	3.1%
Anne Arundel	2	6.3%
Baltimore City	8	25.0%
Baltimore	3	9.4%
Calvert	0	0.0%
Caroline	0	0.0%
Carroll	0	0.0%
Cecil	2	6.3%
Charles	5	15.6%
Dorchester	1	3.1%
Frederick	0	0.0%
Garrett	0	0.0%
Harford	1	3.1%
Howard	2	6.3%
Kent	0	0.0%
Montgomery	4	12.5%
Prince George's	2	6.3%
Queen Anne's	0	0.0%
Saint Mary's	0	0.0%
Somerset	0	0.0%
Talbot	0	0.0%
Washington	0	0.0%
Wicomico	1	3.1%
Worcester	0	0.0%
Corrections	0	0.0%
Total	32	100.0%

Table 26 – People Aged <13 Living with Diagnosed HIV, Alive on December 31, 2022, by Assigned Sex at Birth and Race/Ethnicity, Reported through June 30, 2023

Demographic Characteristic	Total People Aged <13 Living with Diagnosed HIV	
	No.	% of Total
Assigned Sex at Birth		
Female	16	50.0%
Male	16	50.0%
Race/Ethnicity		
Hispanic	1	3.1%
Non-Hispanic	31	96.9%
American Indian/Alaska Native, only	0	0.0%
Asian, only	1	3.1%
Black, only	25	78.1%
Native Hawaiian/Other Pacific Islander, only	0	0.0%
White, only	4	12.5%
Multiracial/Another Race	1	3.1%
Total	32	100.0%

Table 27 – Perinatal HIV Transmissions by Year of Birth, 2013-2022

Year of Birth	Live Births	People of Childbearing Age Living with Diagnosed HIV	Reported Perinatal HIV Exposures	Confirmed Perinatal HIV Transmission		
	No.	No.	No.	No.	%	Rate
2013	71,806	6,792	163	1	0.6%	1.4
2014	73,588	6,367	202	3	1.5%	4.1
2015	73,544	6,499	153	1	0.7%	1.4
2016	73,073	6,110	185	3	1.6%	4.1
2017	71,589	5,753	169	1	0.6%	1.4
2018	71,037	5,261	162	0	0.0%	0.0
2019	70,130	5,096	168	0	0.0%	0.0
2020	68,546	4,782	151	2	1.3%	2.9
2021	66,906	4,589	159	0	0.0%	0.0
2022	--	4,379	146	5	3.4%	--
Total	640,219	55,628	1,658	16	1.0%	2.5

Live births from Maryland Vital Statistics Annual Report 2021. Perinatal HIV exposures and transmissions are based on residence at birth.

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.

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

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.

Another Gender Identity: A person assigned “male” or “female” sex at birth who does not identify as cisgender man or boy, cisgender woman or girl, transgender woman or girl, or transgender man or boy. Includes “bigender,” “gender queer,” and “two-spirit.”

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 measured in the specified year.

Cisgender Man or Boy: A person whose assigned sex at birth is male and who identifies as a man or boy.

Cisgender Woman or Girl: A person whose assigned sex at birth is female and who identifies as a woman or girl.

Confirmed Perinatal HIV Transmission: Reported babies born to a woman living with diagnosed HIV, with a confirmed HIV diagnosis and a resident of Maryland at time of birth.

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, 2013.

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

Female: A person whose assigned sex 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.

HIV Diagnosed: Number of people who have received an HIV diagnosis in a given time period, regardless of when HIV transmission occurred.

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

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.

HIV Prevalence: Estimated number of people with HIV alive at a given time, regardless of when HIV transmission occurred or whether they have received a diagnosis.

Heterosexual Contact (HET): People who report a history of sexual contact with a person of the opposite sex who is known to be HIV positive or at an increased likelihood for HIV transmission.

Injection Drug Use (IDU): Includes people who injected nonprescription drugs or who injected prescription drugs for nonmedical purposes. Also includes injection or drugs prescribed to people if there is evidence that injection equipment was shared (e.g., syringes, needles, cookers).

Jurisdiction of Current Residence: Jurisdiction of residence from the most recent report since January 1, 2013.

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 after their initial HIV diagnosis.

Live Births: Babies born alive in the general population.

Male: A person whose assigned sex 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 (MMSC): Includes people assigned male sex at birth, regardless of current gender identity, who have had sexual contact with other males, and people assigned male sex at birth who have had sexual contact with both males and females.

Male-to-male Sexual Contact/Injection Drug Use (MMSC/IDU): Includes people assigned male sex at birth, regardless of current gender identity, who have had sexual contact with other males (or with both males and females) and inject nonprescription drugs or injected prescription drugs for nonmedical purposes. Also includes injection of drugs prescribed to people if there is evidence that injection equipment was shared (e.g., syringes, needles, cookers).

Other Exposure: Includes people who received clotting factors 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.

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 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.

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

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 Transmission: When HIV is passed from a person with childbearing potential living with HIV to the infant during pregnancy, childbirth (also called labor and delivery), or breastfeeding (through breast milk).

Perinatal HIV Transmission Number: Number of confirmed perinatal HIV transmissions among reported perinatal HIV exposures.

Perinatal HIV Transmission Percent: Percent of confirmed perinatal HIV transmissions among reported perinatal HIV exposures.

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

Population: Population estimate for July 1 of the specified year.

Population Aged 13+: Population age 13 years or older, estimate for July 1 of the specified year.

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.

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.

Suppressed Viral Load – 6 Months: HIV diagnosed with a viral load of less than 200 copies per milliliter measured in the first six months after HIV diagnosis.

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.

Transgender Man or Boy: A person whose assigned sex at birth is female but who identifies as a man or boy.

Transgender Woman or Girl: A person whose assigned sex at birth is male but who identifies as a woman or girl.

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