

2019

BALTIMORE METROPOLITAN REGION ANNUAL HIV EPIDEMIOLOGICAL PROFILE

**Data reported through
June 30, 2020**

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

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



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On the Web

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

Additional Information and Reporting Instructions

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

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Section I – Summary of Analyses and Technical Notes

Highlights of Analyses

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

All rates are per 100,000 population.

HIV Diagnoses

During 2019, there were 406 reported HIV diagnoses in the Baltimore Metropolitan Region. The Baltimore Metropolitan Region includes Anne Arundel County, Baltimore City, Baltimore County, Carroll County, Harford County, Howard County, and Queen Anne's County. Data presented below describe HIV diagnoses in the Baltimore Metropolitan Region, among people age 13 years and older, during 2019.

- Geographic distribution: Baltimore City accounted for the highest number (200, 49.3%) and the highest rate (39.7) of HIV diagnoses.
- Age: Persons aged 20-39 years accounted for the highest number (249, 61.3%) of HIV diagnoses. The highest rate was among 20-29-year-olds (39.6).
- Sex at Birth: Males accounted for the highest number (291, 71.7%) of HIV diagnoses. The rate among males was 25.9 and 9.3 among females.
- Race/Ethnicity: Non-Hispanic Blacks accounted for the highest number (302, 74.4%) and the highest rate (44.1) of HIV diagnoses.
- Exposure Category: Male-to-male sexual contact accounted for the highest number (209, 51.6%) of diagnoses.

People living with Diagnosed HIV

At the end of 2019, there were 17,197 people living with diagnosed HIV in the Baltimore Metropolitan Region. Data presented below describe people living with diagnosed HIV, aged 13 years and older, in the Baltimore Metro Region.

- Geographic distribution: Baltimore City accounted for the highest number (10,600, 61.6%) of people living with diagnosed HIV, as well as the highest rate (2,102.1).
- Age: Persons aged 50+ years accounted for the highest number (9,601, 55.8%) of people living with diagnosed HIV. The highest rate was among 50-59-year-olds (1,412.5).
- Sex at Birth: Males accounted for the highest number (11,225, 65.3%) of people living with diagnosed HIV. The rate among males was 997.4 and 483.3 among females.
- Race/Ethnicity: Non-Hispanic Blacks accounted for the highest number (13,086, 76.1%) of the people living with diagnosed HIV, as well as the highest rate (1,911.6).
- Exposure Category: Male-to-male sexual contact accounted for the highest number (6,105, 35.5%) of the total people living with diagnosed HIV.

Engagement in HIV Care

- HIV diagnosed: Among people living with HIV in the Baltimore Metropolitan Region, it is estimated that 89.2% have been diagnosed, while an estimated 2,082 people with HIV in the region remain undiagnosed.
- Linked to care: During 2019, 86.9% of reported HIV diagnoses were linked to HIV care within one month of their HIV diagnosis.
- Retained in care: Among people living with diagnosed HIV, 81.8% were retained in care during 2019.
- Viral suppression: In 2019, 63.9% of people living with diagnosed HIV achieved viral suppression.

Technical Notes

HIV/AIDS Reporting

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

Report Changes

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

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

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

Data Specifications

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

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

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

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

New HIV Infections

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

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

AIDS Diagnoses

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

Mortality

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

Engagement in HIV Care

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

Viral Suppression

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

Geographic Distribution

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

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

Residents of Correctional Facilities

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

Gender Identity

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

Race/Ethnicity

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

Country of Birth

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

HIV Exposure Categories

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

Sources of Data

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

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

Tabulation of Column Totals

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

Data Suppression

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

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

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

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

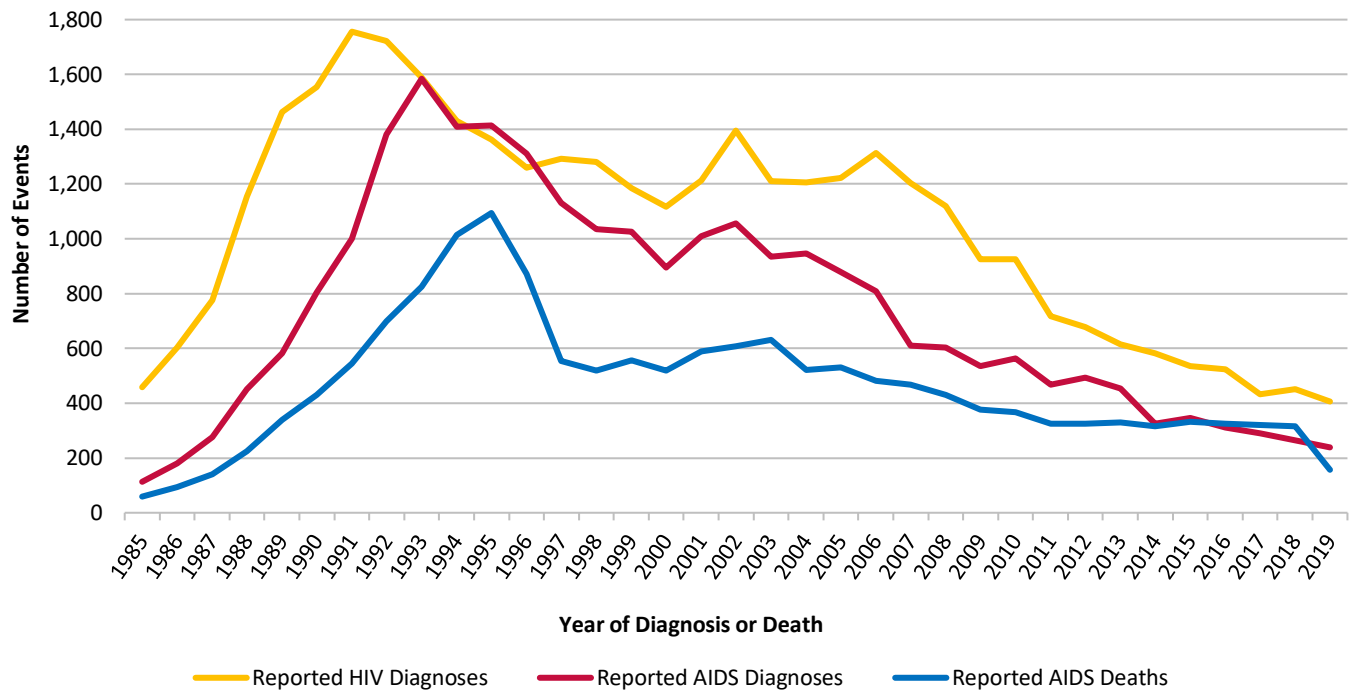
Multiple Imputation

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

Section II – Trends 1985-2019

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

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

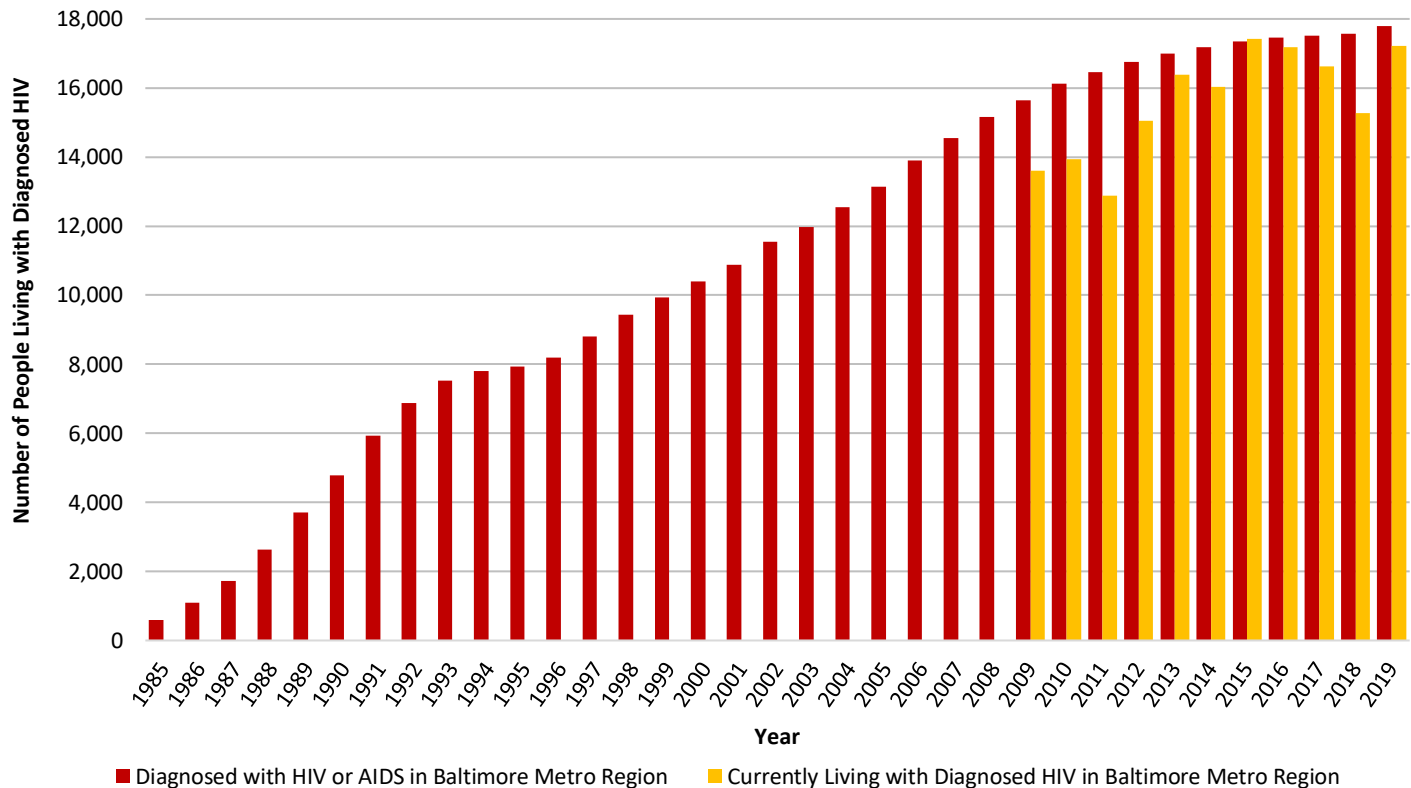


Year of Diagnosis or Death	Reported HIV Diagnoses	Reported AIDS Diagnoses	Reported AIDS Deaths	Year of Diagnosis or Death	Reported HIV Diagnoses	Reported AIDS Diagnoses	Reported AIDS Deaths
<1985	238	77	35	2002	1,394	1,057	608
1985	457	113	59	2003	1,210	935	631
1986	602	181	94	2004	1,205	946	522
1987	775	275	140	2005	1,221	878	531
1988	1,154	451	225	2006	1,313	809	482
1989	1,462	581	338	2007	1,204	611	468
1990	1,553	803	430	2008	1,120	603	430
1991	1,756	1,001	545	2009	925	536	377
1992	1,721	1,381	699	2010	925	563	366
1993	1,588	1,584	826	2011	718	467	324
1994	1,430	1,408	1,015	2012	678	493	326
1995	1,363	1,413	1,094	2013	615	453	329
1996	1,260	1,310	871	2014	583	324	316
1997	1,293	1,131	554	2015	536	345	332
1998	1,280	1,034	520	2016	524	312	324
1999	1,184	1,025	556	2017	433	290	321
2000	1,117	894	518	2018*	451	264	316
2001	1,212	1,010	588	2019*	406	238	157
Total					36,906	25,796	16,267

*2018-2019 reported AIDS deaths are preliminary

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

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

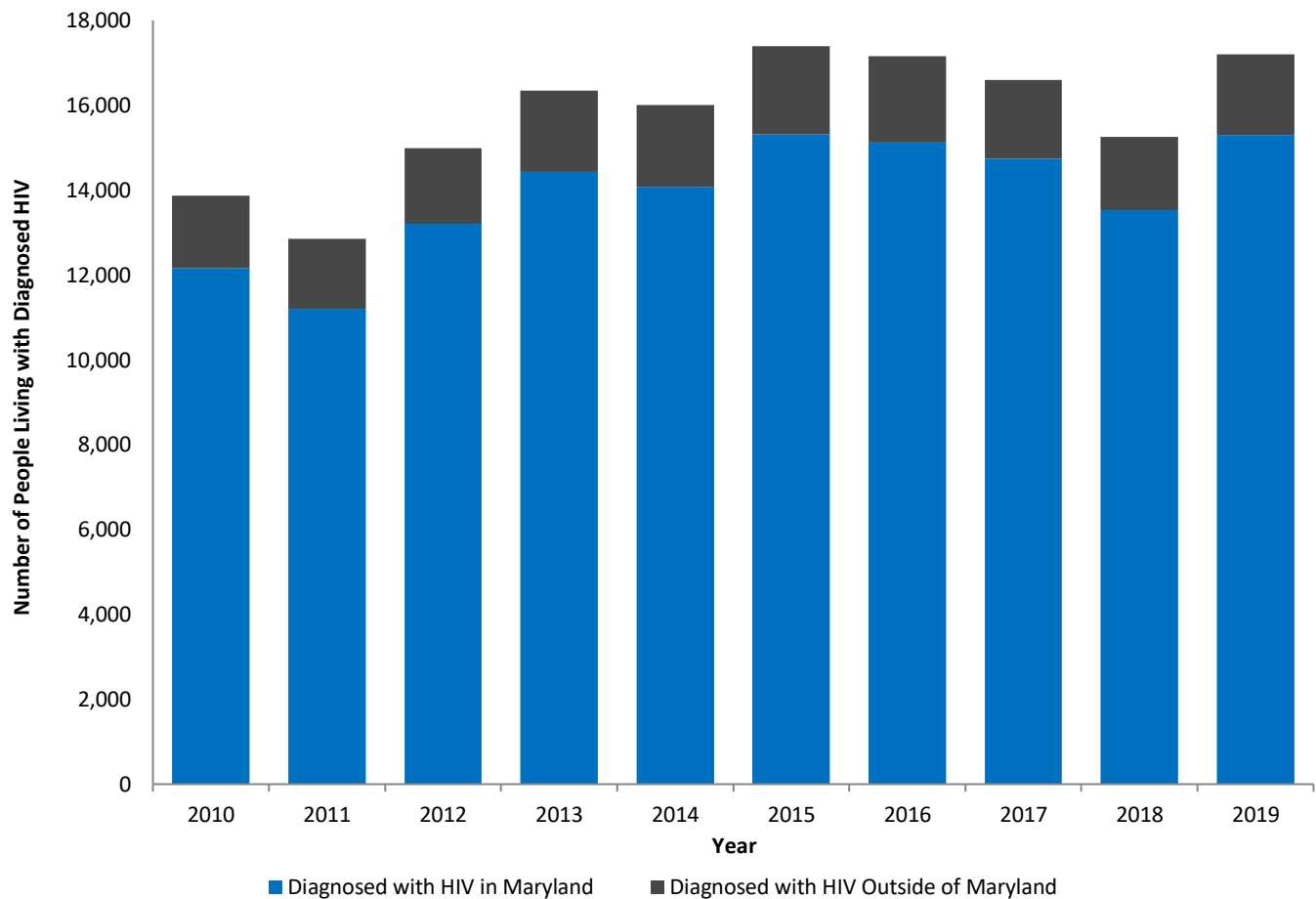


People Living with Diagnosed HIV			People Living with Diagnosed HIV		
Year	Diagnosed with HIV or AIDS in the Baltimore Metropolitan Region	Current Residents	Year	Diagnosed with HIV or AIDS in the Baltimore Metropolitan Region	Current Residents
1985	593	--	2003	11,971	--
1986	1,092	--	2004	12,545	--
1987	1,721	--	2005	13,150	--
1988	2,632	--	2006	13,893	--
1989	3,706	--	2007	14,549	--
1990	4,791	--	2008	15,153	--
1991	5,926	--	2009	15,639	13,599
1992	6,871	--	2010	16,134	13,941
1993	7,527	--	2011	16,467	12,889
1994	7,802	--	2012	16,757	15,044
1995	7,933	--	2013	16,994	16,382
1996	8,198	--	2014	17,185	16,033
1997	8,809	--	2015	17,345	17,420
1998	9,434	--	2016	17,458	17,182
1999	9,938	--	2017	17,518	16,619
2000	10,399	--	2018	17,569	15,271
2001	10,884	--	2019	17,784	17,218
2002	11,549	--			

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

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

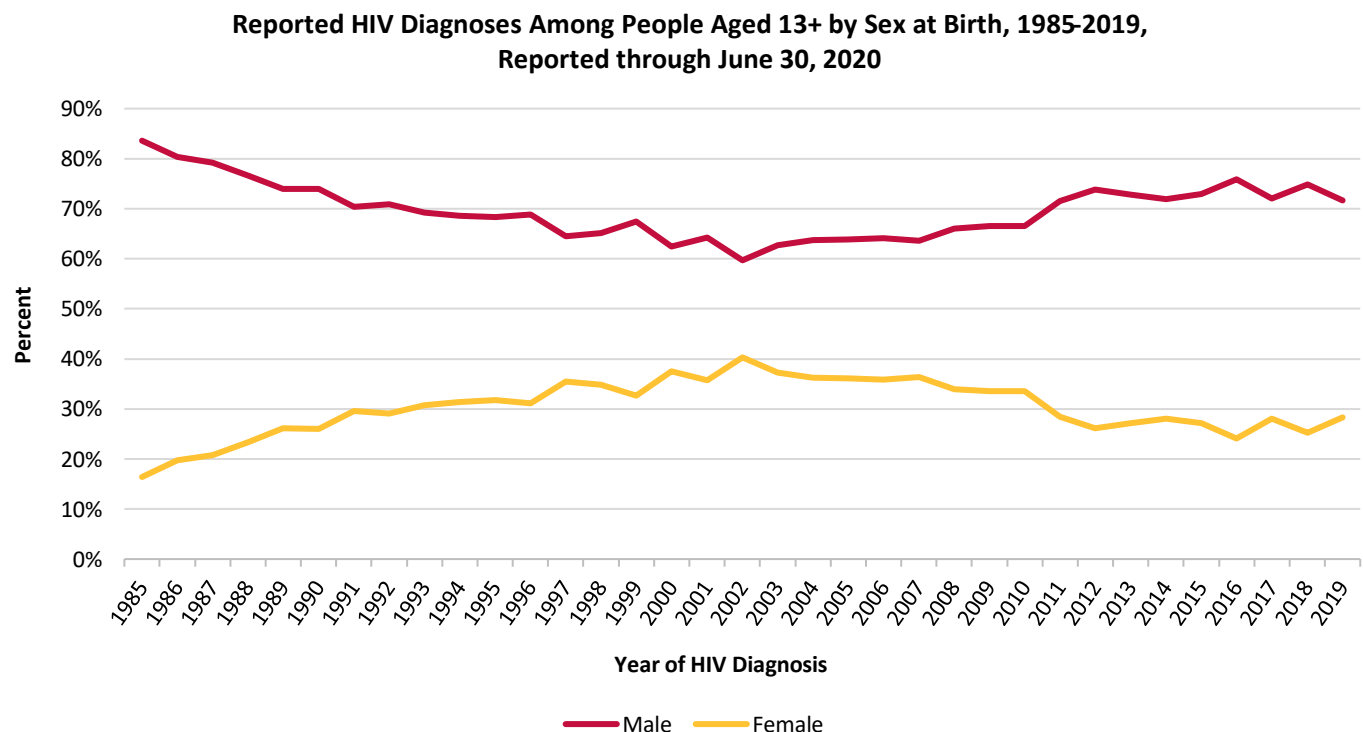
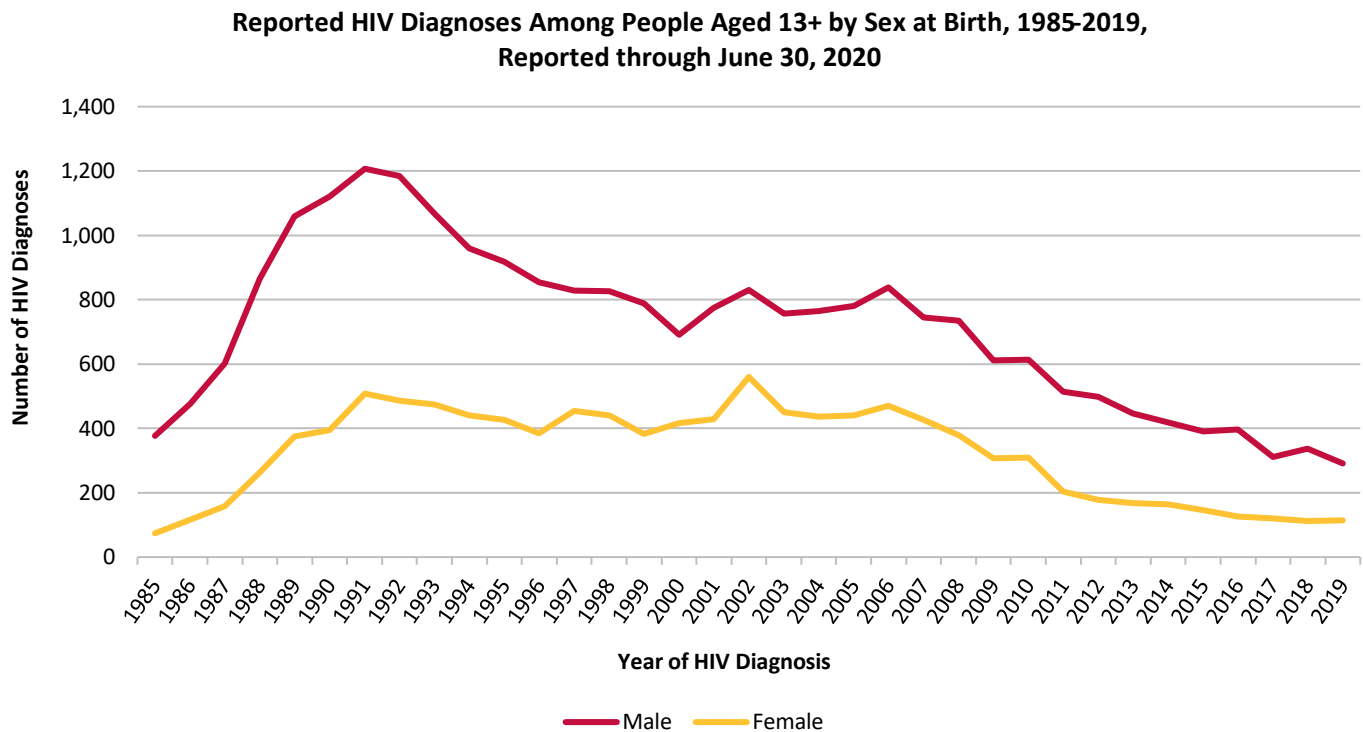
People Living with Diagnosed HIV in the Baltimore Metropolitan Region and Not Reported to have Died as of December 31st of Each Year from 2010 through 2019, as Reported through June 30, 2020



Year	Population Age 13+	Baltimore Metropolitan Region Residents Aged 13+ as of December 31st of the Specified Year			
		Diagnosed with HIV in Maryland	Diagnosed with HIV Outside of Maryland	Total	Rate
2010	2,274,175	12,162	1,705	13,867	609.8
2011	2,291,566	11,198	1,650	12,848	560.7
2012	2,310,884	13,205	1,789	14,994	648.8
2013	2,324,369	14,433	1,905	16,338	702.9
2014	2,336,412	14,072	1,933	16,005	685.0
2015	2,346,924	15,317	2,080	17,397	741.3
2016	2,351,684	15,116	2,043	17,159	729.6
2017	2,357,032	14,743	1,850	16,593	704.0
2018	2,360,145	13,533	1,720	15,253	646.3
2019	2,361,152	15,302	1,895	17,197	728.3

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

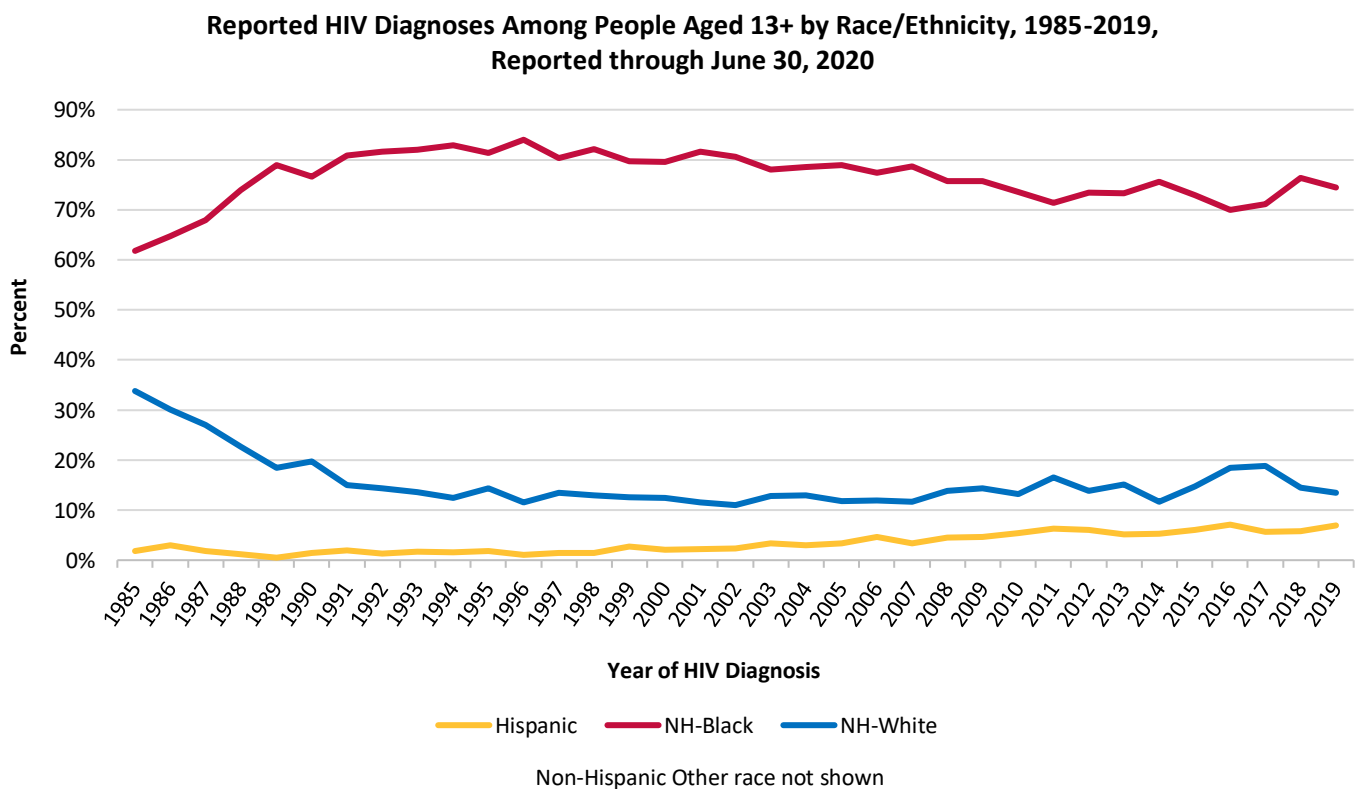
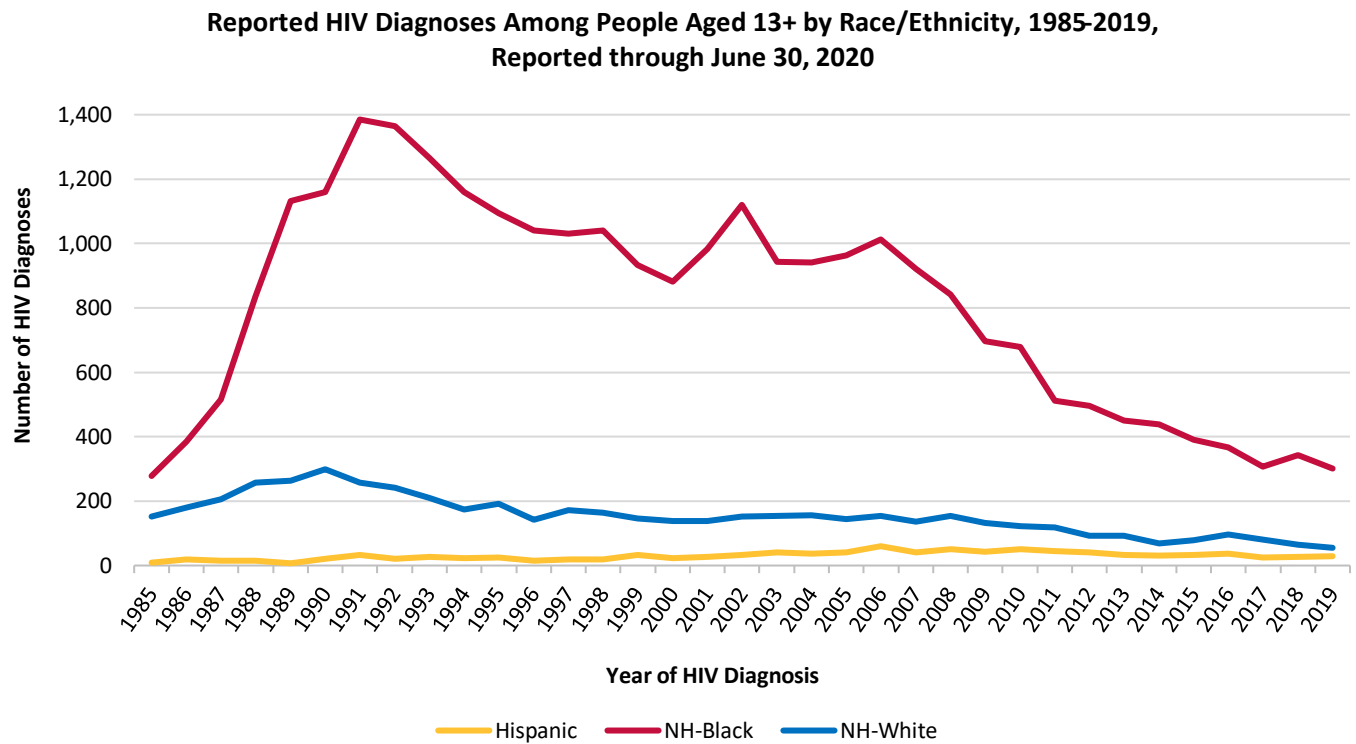
Number and Percent by Sex at Birth of People Diagnosed with HIV, Age 13+ at HIV Diagnosis, by Year of HIV Diagnosis from 1985 through 2019, as Reported through June 30, 2020



Reported HIV Diagnoses Among People Aged 13+					
Year of HIV Diagnosis	Number	Sex at Birth			
		Male		Female	
		Number	Percent	Number	Percent
<1985	236	205	86.9%	31	13.1%
1985	450	376	83.6%	74	16.4%
1986	594	477	80.3%	117	19.7%
1987	759	601	79.2%	158	20.8%
1988	1,131	867	76.7%	264	23.3%
1989	1,433	1,059	73.9%	374	26.1%
1990	1,515	1,121	74.0%	394	26.0%
1991	1,715	1,207	70.4%	508	29.6%
1992	1,671	1,185	70.9%	486	29.1%
1993	1,542	1,067	69.2%	475	30.8%
1994	1,400	960	68.6%	440	31.4%
1995	1,344	918	68.3%	426	31.7%
1996	1,239	854	68.9%	385	31.1%
1997	1,283	828	64.5%	455	35.5%
1998	1,266	826	65.2%	440	34.8%
1999	1,170	788	67.4%	382	32.6%
2000	1,108	692	62.5%	416	37.5%
2001	1,203	774	64.3%	429	35.7%
2002	1,390	830	59.7%	560	40.3%
2003	1,208	757	62.7%	451	37.3%
2004	1,200	764	63.7%	436	36.3%
2005	1,220	780	63.9%	440	36.1%
2006	1,308	838	64.1%	470	35.9%
2007	1,172	745	63.6%	427	36.4%
2008	1,112	734	66.0%	378	34.0%
2009	919	611	66.5%	308	33.5%
2010	924	614	66.5%	310	33.5%
2011	717	513	71.5%	204	28.5%
2012	676	499	73.8%	177	26.2%
2013	614	447	72.8%	167	27.2%
2014	581	418	71.9%	163	28.1%
2015	536	391	72.9%	145	27.1%
2016	523	397	75.9%	126	24.1%
2017	432	311	72.0%	121	28.0%
2018	449	336	74.8%	113	25.2%
2019	406	291	71.7%	115	28.3%
Total	36,446	25,081	68.8%	11,365	31.2%

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

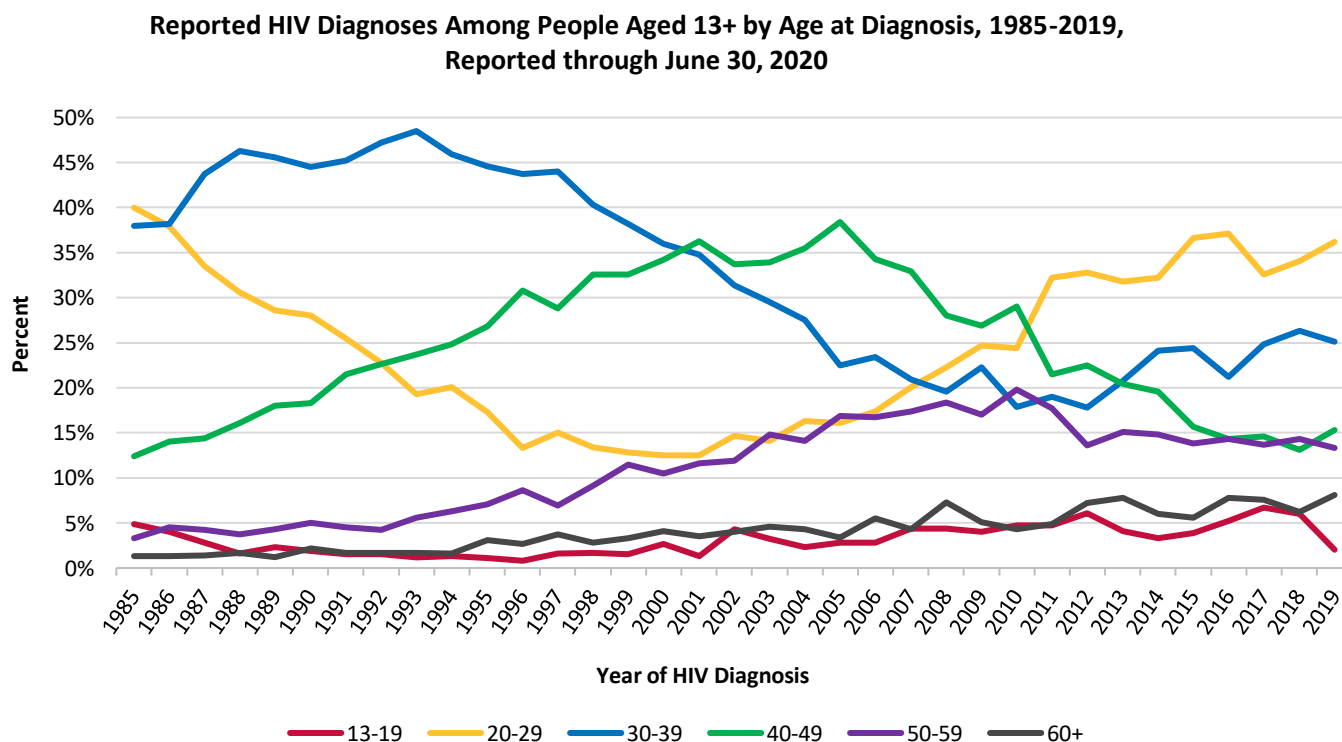
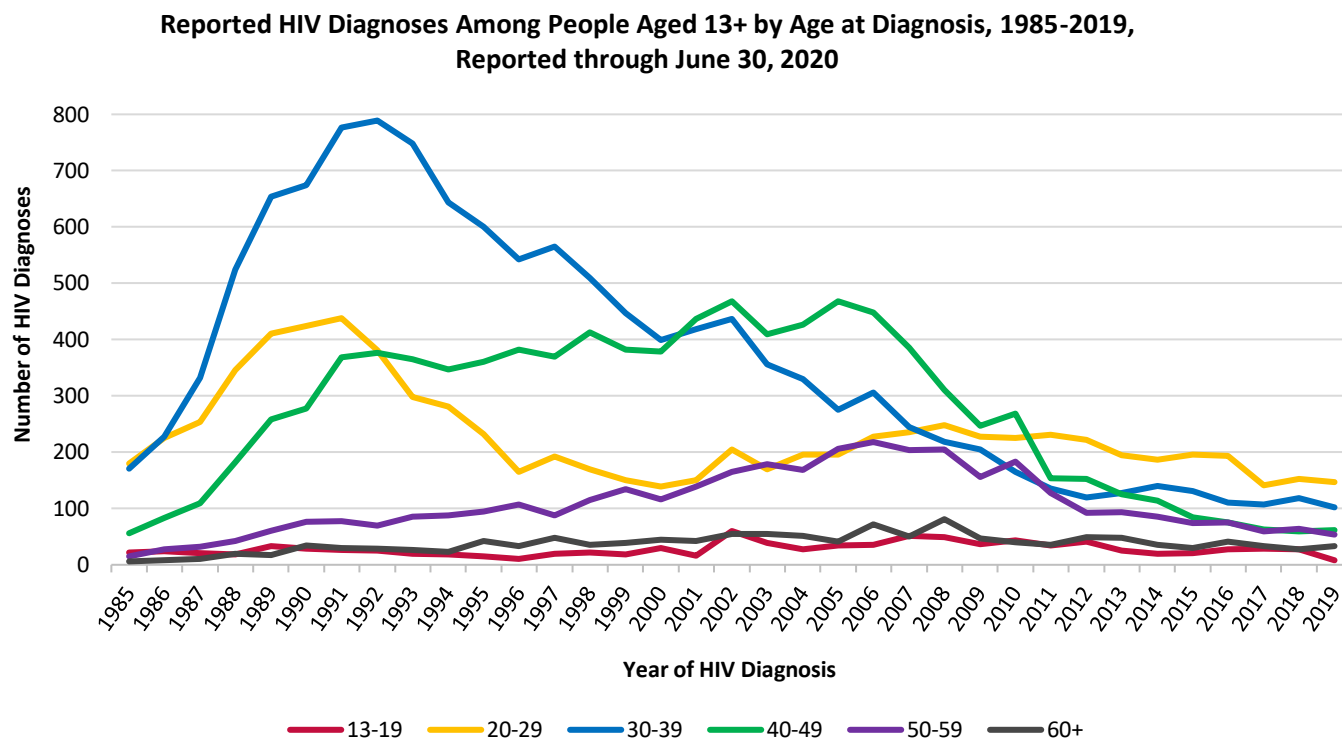
Number and Percent by Race/Ethnicity of People Diagnosed with HIV, Age 13+ at HIV Diagnosis, by Year of HIV Diagnosis from 1985 through 2019, as Reported through June 30, 2020



Reported HIV Diagnoses Among People Aged 13+									
Year of HIV Diagnosis	No.	Race/Ethnicity							
		Hispanic		Non-Hispanic Black, only		Non-Hispanic White, only		Non-Hispanic Other Race	
		No.	%	No.	%	No.	%	No.	%
<1985	236	7	3.0%	128	54.2%	94	39.8%	7	3.0%
1985	450	8	1.8%	278	61.8%	152	33.8%	12	2.7%
1986	594	18	3.0%	385	64.8%	179	30.1%	12	2.0%
1987	759	14	1.8%	516	68.0%	205	27.0%	24	3.2%
1988	1,131	14	1.2%	836	73.9%	257	22.7%	24	2.1%
1989	1,433	7	0.5%	1,131	78.9%	263	18.4%	32	2.2%
1990	1,515	21	1.4%	1,160	76.6%	299	19.7%	35	2.3%
1991	1,715	33	1.9%	1,385	80.8%	257	15.0%	40	2.3%
1992	1,671	21	1.3%	1,364	81.6%	241	14.4%	45	2.7%
1993	1,542	26	1.7%	1,265	82.0%	210	13.6%	41	2.7%
1994	1,400	23	1.6%	1,160	82.9%	174	12.4%	43	3.1%
1995	1,344	24	1.8%	1,094	81.4%	192	14.3%	34	2.5%
1996	1,239	14	1.1%	1,041	84.0%	143	11.5%	41	3.3%
1997	1,283	19	1.5%	1,030	80.3%	172	13.4%	62	4.8%
1998	1,266	18	1.4%	1,040	82.1%	164	13.0%	44	3.5%
1999	1,170	32	2.7%	933	79.7%	147	12.6%	58	5.0%
2000	1,108	23	2.1%	882	79.6%	139	12.5%	64	5.8%
2001	1,203	26	2.2%	982	81.6%	139	11.6%	56	4.7%
2002	1,390	33	2.4%	1,120	80.6%	153	11.0%	84	6.0%
2003	1,208	41	3.4%	944	78.1%	155	12.8%	68	5.6%
2004	1,200	36	3.0%	942	78.5%	156	13.0%	66	5.5%
2005	1,220	41	3.4%	963	78.9%	144	11.8%	72	5.9%
2006	1,308	60	4.6%	1,013	77.4%	155	11.9%	80	6.1%
2007	1,172	40	3.4%	922	78.7%	137	11.7%	73	6.2%
2008	1,112	50	4.5%	842	75.7%	154	13.8%	66	5.9%
2009	919	43	4.7%	696	75.7%	132	14.4%	48	5.2%
2010	924	50	5.4%	679	73.5%	122	13.2%	73	7.9%
2011	717	45	6.3%	512	71.4%	118	16.5%	42	5.9%
2012	676	41	6.1%	496	73.4%	93	13.8%	46	6.8%
2013	614	32	5.2%	450	73.3%	93	15.1%	39	6.4%
2014	581	31	5.3%	439	75.6%	68	11.7%	43	7.4%
2015	536	32	6.0%	391	72.9%	79	14.7%	34	6.3%
2016	523	37	7.1%	366	70.0%	97	18.5%	23	4.4%
2017	432	24	5.6%	307	71.1%	81	18.8%	20	4.6%
2018	449	26	5.8%	343	76.4%	65	14.5%	15	3.3%
2019	406	28	6.9%	302	74.4%	55	13.5%	21	5.2%
Total	36,446	1,038	2.8%	28,337	77.8%	5,484	15.0%	1,587	4.4%

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

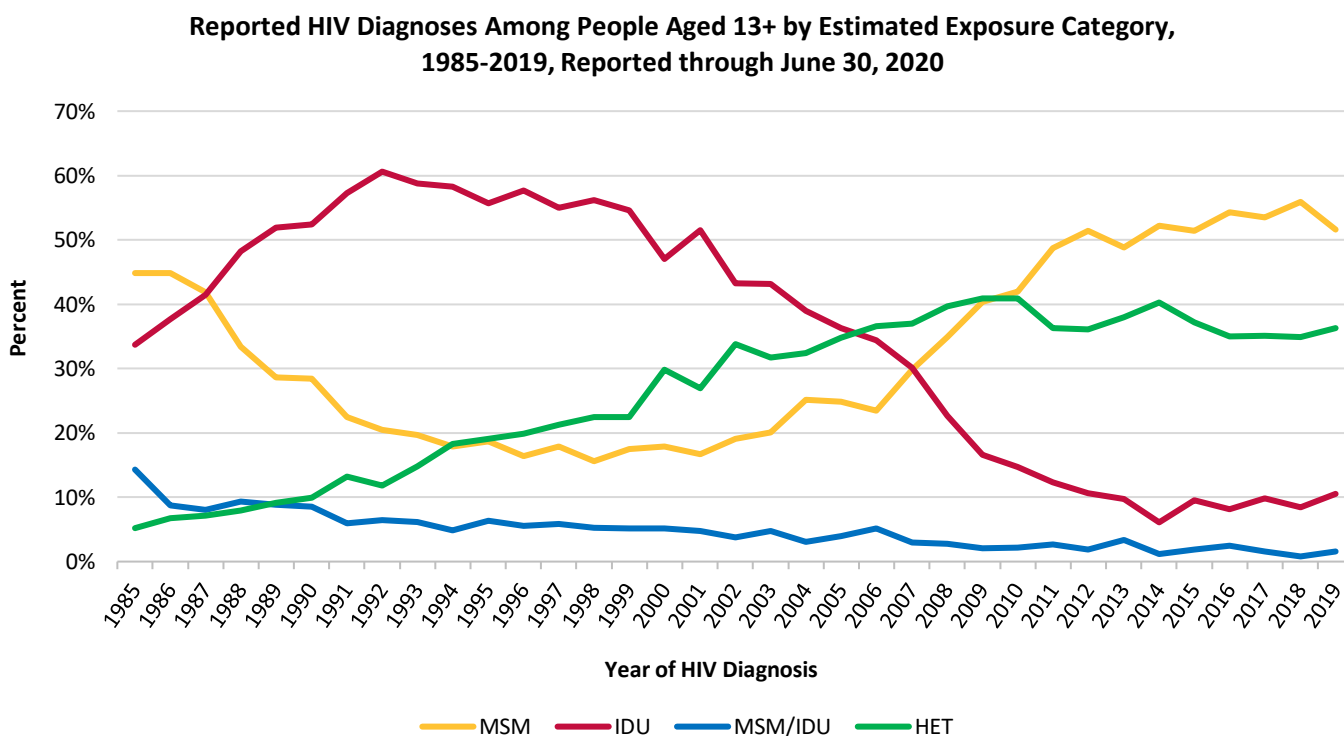
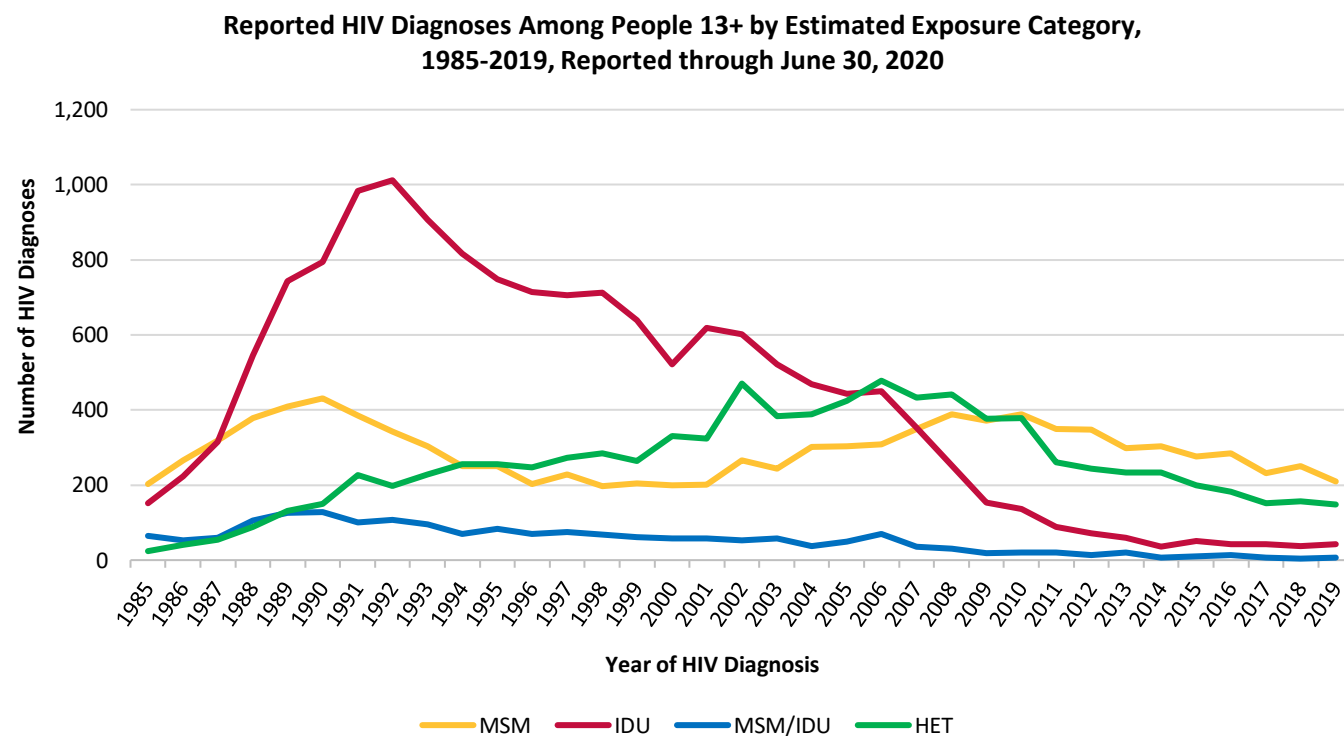
Number and Percent by Age at HIV Diagnosis of People Diagnosed with HIV, Age 13+ at HIV Diagnosis, by Year of HIV Diagnosis from 1985 through 2019, as Reported through June 30, 2020



Reported HIV Diagnoses Among People Aged 13+													
Year of HIV Diagnosis	No.	Age at HIV Diagnosis											
		13-19		20-29		30-39		40-49		50-59		60+	
		No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
<1985	236	17	7.2%	102	43.2%	71	30.1%	31	13.1%	14	5.9%	1	0.4%
1985	450	22	4.9%	180	40.0%	171	38.0%	56	12.4%	15	3.3%	6	1.3%
1986	594	24	4.0%	225	37.9%	227	38.2%	83	14.0%	27	4.5%	8	1.3%
1987	759	21	2.8%	254	33.5%	332	43.7%	109	14.4%	32	4.2%	11	1.4%
1988	1,131	18	1.6%	346	30.6%	524	46.3%	182	16.1%	42	3.7%	19	1.7%
1989	1,433	33	2.3%	410	28.6%	654	45.6%	258	18.0%	61	4.3%	17	1.2%
1990	1,515	29	1.9%	424	28.0%	674	44.5%	278	18.3%	76	5.0%	34	2.2%
1991	1,715	26	1.5%	438	25.5%	776	45.2%	368	21.5%	77	4.5%	30	1.7%
1992	1,671	25	1.5%	381	22.8%	789	47.2%	377	22.6%	70	4.2%	29	1.7%
1993	1,542	19	1.2%	298	19.3%	748	48.5%	365	23.7%	86	5.6%	26	1.7%
1994	1,400	18	1.3%	281	20.1%	643	45.9%	347	24.8%	88	6.3%	23	1.6%
1995	1,344	15	1.1%	232	17.3%	600	44.6%	360	26.8%	95	7.1%	42	3.1%
1996	1,239	10	0.8%	165	13.3%	542	43.7%	382	30.8%	107	8.6%	33	2.7%
1997	1,283	20	1.6%	192	15.0%	565	44.0%	370	28.8%	88	6.9%	48	3.7%
1998	1,266	22	1.7%	170	13.4%	510	40.3%	413	32.6%	115	9.1%	36	2.8%
1999	1,170	18	1.5%	150	12.8%	447	38.2%	382	32.6%	134	11.5%	39	3.3%
2000	1,108	30	2.7%	139	12.5%	399	36.0%	379	34.2%	116	10.5%	45	4.1%
2001	1,203	16	1.3%	150	12.5%	419	34.8%	437	36.3%	139	11.6%	42	3.5%
2002	1,390	60	4.3%	205	14.7%	437	31.4%	468	33.7%	165	11.9%	55	4.0%
2003	1,208	39	3.2%	170	14.1%	356	29.5%	409	33.9%	179	14.8%	55	4.6%
2004	1,200	28	2.3%	196	16.3%	330	27.5%	426	35.5%	169	14.1%	51	4.3%
2005	1,220	34	2.8%	196	16.1%	275	22.5%	468	38.4%	206	16.9%	41	3.4%
2006	1,308	36	2.8%	228	17.4%	306	23.4%	448	34.3%	218	16.7%	72	5.5%
2007	1,172	51	4.4%	236	20.1%	245	20.9%	386	32.9%	204	17.4%	50	4.3%
2008	1,112	49	4.4%	248	22.3%	218	19.6%	311	28.0%	205	18.4%	81	7.3%
2009	919	37	4.0%	227	24.7%	205	22.3%	247	26.9%	156	17.0%	47	5.1%
2010	924	43	4.7%	225	24.4%	165	17.9%	268	29.0%	183	19.8%	40	4.3%
2011	717	34	4.7%	231	32.2%	136	19.0%	154	21.5%	127	17.7%	35	4.9%
2012	676	41	6.1%	222	32.8%	120	17.8%	152	22.5%	92	13.6%	49	7.2%
2013	614	25	4.1%	195	31.8%	128	20.8%	125	20.4%	93	15.1%	48	7.8%
2014	581	19	3.3%	187	32.2%	140	24.1%	114	19.6%	86	14.8%	35	6.0%
2015	536	21	3.9%	196	36.6%	131	24.4%	84	15.7%	74	13.8%	30	5.6%
2016	523	27	5.2%	194	37.1%	111	21.2%	75	14.3%	75	14.3%	41	7.8%
2017	432	29	6.7%	141	32.6%	107	24.8%	63	14.6%	59	13.7%	33	7.6%
2018	449	27	6.0%	153	34.1%	118	26.3%	59	13.1%	64	14.3%	28	6.2%
2019	406	8	2.0%	147	36.2%	102	25.1%	62	15.3%	54	13.3%	33	8.1%
Total	36,446	991	2.7%	8,134	22.3%	12,721	34.9%	9,496	26.1%	3,791	10.4%	1,313	3.6%

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

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



Other exposure category not shown

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

Year of HIV Diagnosis	Reported HIV Diagnoses Among People Aged 13+											
	No.	% with No Reported Exposure [*]	Estimated Exposure Category [§]									
			MSM		IDU		MSM/IDU		HET		Other Exposure	
			No.	%	No.	%	No.	%	No.	%	No.	%
<1985	236	2.1%	131	55.4%	62	26.4%	26	10.9%	8	3.6%	9	3.8%
1985	450	4.4%	202	44.8%	152	33.7%	64	14.3%	24	5.2%	9	2.0%
1986	594	3.0%	266	44.8%	224	37.7%	52	8.7%	40	6.7%	12	2.0%
1987	759	2.8%	318	41.9%	315	41.5%	60	8.0%	54	7.1%	12	1.6%
1988	1,131	2.9%	378	33.4%	546	48.2%	105	9.3%	89	7.9%	13	1.1%
1989	1,433	2.4%	409	28.6%	743	51.9%	126	8.8%	131	9.1%	24	1.7%
1990	1,515	4.0%	431	28.4%	794	52.4%	128	8.5%	150	9.9%	13	0.9%
1991	1,715	3.8%	386	22.5%	983	57.3%	101	5.9%	227	13.2%	19	1.1%
1992	1,671	4.5%	343	20.5%	1,012	60.6%	107	6.4%	198	11.8%	12	0.7%
1993	1,542	2.7%	303	19.7%	907	58.8%	95	6.1%	228	14.8%	10	0.6%
1994	1,400	3.7%	250	17.9%	816	58.3%	69	4.9%	256	18.3%	9	0.6%
1995	1,344	4.2%	251	18.7%	749	55.7%	84	6.3%	256	19.1%	4	0.3%
1996	1,239	4.0%	203	16.4%	715	57.7%	69	5.6%	247	19.9%	5	0.4%
1997	1,283	6.2%	229	17.9%	706	55.0%	74	5.8%	273	21.3%	1	0.1%
1998	1,266	5.2%	197	15.6%	712	56.2%	68	5.3%	285	22.5%	4	0.3%
1999	1,170	7.0%	204	17.5%	639	54.6%	61	5.2%	264	22.5%	2	0.2%
2000	1,108	6.9%	199	17.9%	521	47.0%	57	5.2%	330	29.8%	1	0.1%
2001	1,203	7.7%	201	16.7%	619	51.5%	58	4.8%	323	26.9%	1	0.1%
2002	1,390	10.4%	265	19.1%	601	43.2%	53	3.8%	470	33.8%	1	0.1%
2003	1,208	9.4%	243	20.1%	521	43.1%	58	4.8%	383	31.7%	3	0.2%
2004	1,200	10.2%	302	25.1%	468	39.0%	38	3.1%	389	32.4%	4	0.3%
2005	1,220	14.5%	303	24.8%	443	36.3%	49	4.0%	424	34.8%	1	0.1%
2006	1,308	18.7%	308	23.5%	450	34.4%	69	5.2%	478	36.6%	3	0.2%
2007	1,172	19.5%	349	29.8%	353	30.1%	35	3.0%	433	37.0%	2	0.2%
2008	1,112	26.2%	388	34.9%	253	22.7%	31	2.8%	441	39.7%	0	0.0%
2009	919	27.1%	371	40.4%	153	16.6%	19	2.1%	376	40.9%	0	0.0%
2010	924	30.7%	389	42.0%	136	14.7%	21	2.2%	378	40.9%	1	0.1%
2011	717	25.7%	349	48.7%	88	12.3%	20	2.7%	260	36.3%	0	0.0%
2012	676	17.5%	347	51.4%	72	10.6%	13	1.9%	244	36.1%	0	0.0%
2013	614	10.9%	299	48.8%	60	9.7%	21	3.4%	233	38.0%	1	0.2%
2014	581	8.8%	303	52.2%	36	6.1%	7	1.2%	234	40.3%	1	0.2%
2015	536	5.8%	276	51.4%	51	9.5%	10	1.9%	199	37.2%	0	0.0%
2016	523	11.7%	284	54.3%	43	8.1%	13	2.5%	183	35.0%	0	0.0%
2017	432	10.6%	231	53.5%	42	9.8%	7	1.6%	152	35.1%	0	0.0%
2018	449	15.1%	251	55.9%	38	8.4%	4	0.8%	157	34.9%	0	0.0%
2019	406	34.2%	209	51.6%	43	10.5%	7	1.6%	148	36.3%	0	0.0%
Total	36,446	9.7%	10,368	28.4%	15,066	41.3%	1,879	5.2%	8,965	24.6%	177	0.5%

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

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

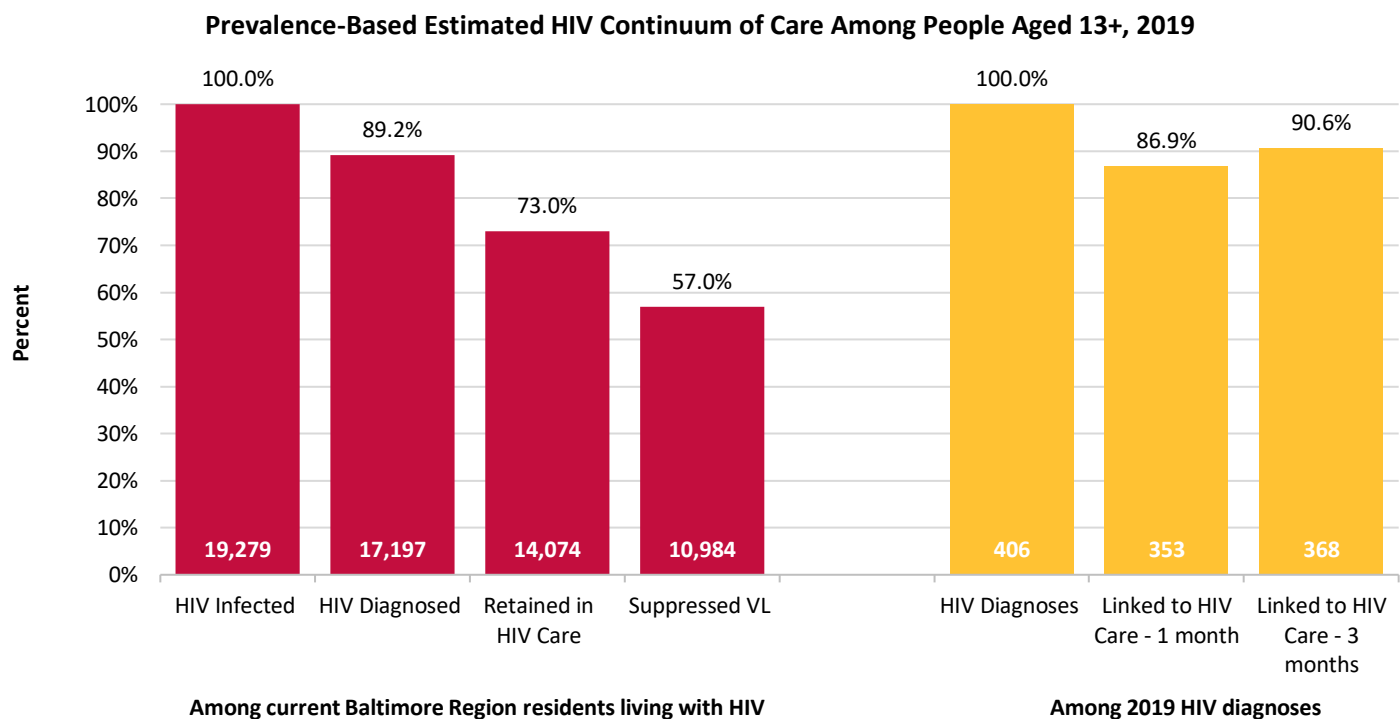
Note. Discrepancies in the table between total HIV diagnoses and the sums by exposure category are due to less than 1 percent of people missing transmission category after multiple imputation.

Section III – Continuum of Care Cascades

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

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

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

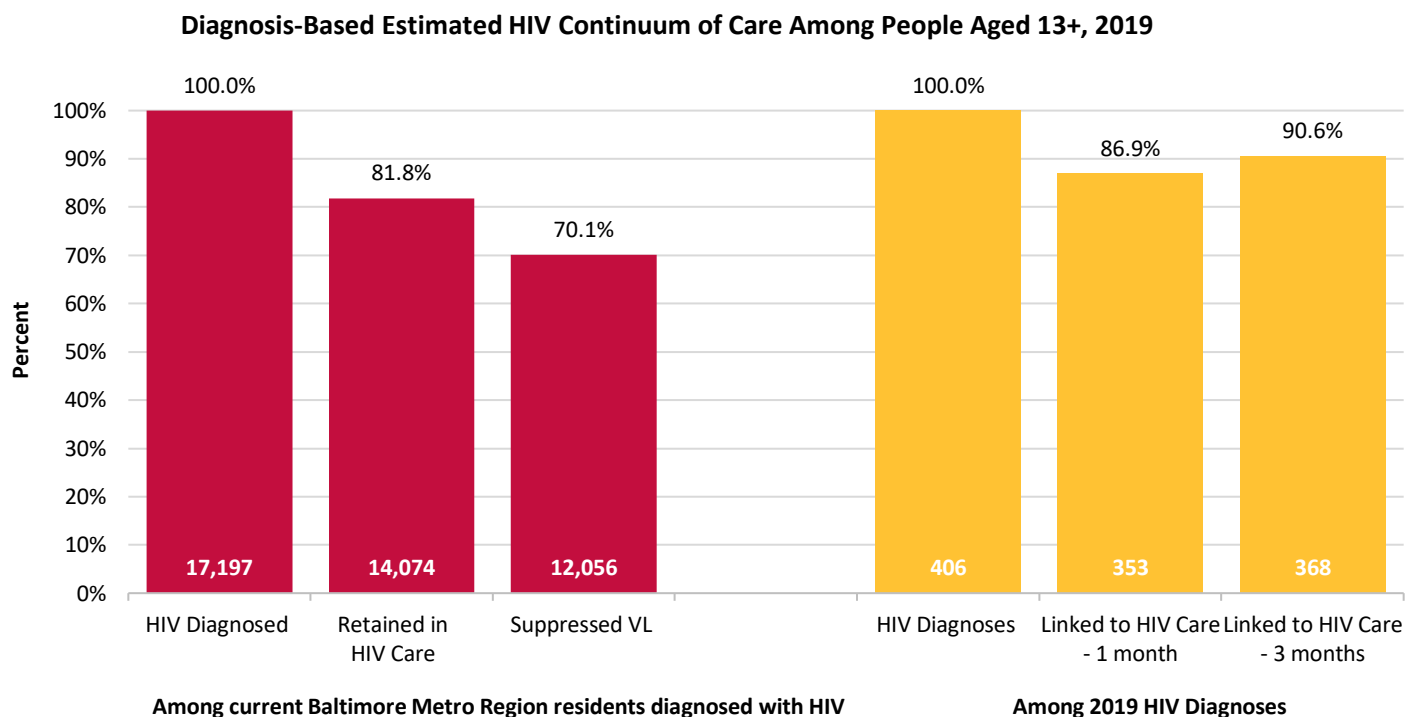


Continuum of Care Stage	People Aged 13+ Living with HIV		Continuum of Care Stage	Reported 2019 HIV Diagnoses	
	Number	Percent		Number	Percent
HIV Infected	19,279	100.0%	New HIV Diagnoses	406	100.0%
HIV Diagnosed	17,197	89.2%	Linked to HIV Care – 1 Month	353	86.9%
Retained in HIV Care	14,074	73.0%	Linked to HIV Care – 3 Months	368	90.6%
Suppressed VL	10,984	57.0%			

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

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

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



Continuum of Care Stage	People Aged 13+ Living with HIV		Continuum of Care Stage	Reported 2019 HIV Diagnoses	
	Number	Percent		Number	Percent
HIV Diagnosed	17,197	100.0%	New HIV Diagnoses	406	100.0%
Retained in HIV Care	14,074	81.8%	Linked to HIV Care – 1 Month	353	86.9%
Suppressed VL	12,056	70.1%	Linked to HIV Care – 3 Months	368	90.6%

Section IV – By Jurisdiction

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

Jurisdiction of Residence at Diagnosis	Population Age 13+	Reported HIV Diagnoses Among People Aged 13+			Reported AIDS Diagnoses Among People Aged 13+		
		No.	% of Total	Rate	No.	% of Total	Rate
Anne Arundel	485,680	48	11.8%	9.9	15	6.4%	3.1
Baltimore City	504,269	200	49.3%	39.7	151	64.3%	29.9
Baltimore	698,716	117	28.8%	16.7	49	20.9%	7.0
Carroll	143,123	5	1.2%	3.5	6	2.6%	4.2
Harford	215,720	10	2.5%	4.6	6	2.6%	2.8
Howard	270,649	23	5.7%	8.5	8	3.4%	3.0
Queen Anne's	42,995	3	0.7%	7.0	0	0.0%	0.0
Total	2,361,152	406	100.0%	17.2	235	100.0%	10.1

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

Jurisdiction of Residence at HIV Diagnosis	Reported HIV Diagnoses Among People Aged 13+					
	No.	Linked to Care		% Late HIV Diagnoses	First CD4 Test Result	
		% 1 month	% 3 months		% with Test	Median Count
Anne Arundel	48	81.3%	85.4%	18.8%	87.5%	371
Baltimore City	200	86.0%	88.5%	24.0%	85.5%	369
Baltimore	117	90.6%	94.9%	18.8%	93.2%	423
Carroll	5	***	***	***	***	***
Harford	10	80.0%	90.0%	***	90.0%	330
Howard	23	91.3%	95.7%	21.7%	95.7%	304
Queen Anne's	3	***	***	***	***	***
Total	406	86.9%	90.6%	21.2%	88.9%	379

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

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

Jurisdiction of Residence	Population Age 13+	Total People Aged 13+ Living with Diagnosed HIV							
		Residence at Diagnosis				Current Residence			
		No.	% of Total	Rate	Ratio (1 in X)	No.	% of Total	Rate	% Change
Anne Arundel	485,680	1,294	7.3%	266.4	375	1,398	8.1%	287.8	8.0%
Baltimore City	504,269	11,964	67.3%	2,372.5	42	10,600	61.6%	2,102.1	-11.4%
Baltimore	698,716	3,210	18.1%	459.4	218	3,769	21.9%	539.4	17.4%
Carroll	143,123	153	0.9%	106.9	935	162	0.9%	113.2	5.9%
Harford	215,720	463	2.6%	214.6	466	516	3.0%	239.2	11.4%
Howard	270,649	629	3.5%	232.4	430	695	4.0%	256.8	10.5%
Queen Anne's	42,995	52	0.3%	120.9	827	57	0.3%	132.6	9.6%
Total	2,361,152	17,765	100.0%	752.4	133	17,197	100.0%	728.3	-3.2%

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

Jurisdiction of Current Residence	Total People Aged 13+ Living with Diagnosed HIV							
	No.	Recent CD4 Test Result						
		No. with Test	% with Test	Median Count	<200	200-349	350-499	500+
Anne Arundel	1,398	1,060	75.8%	627	6.0%	12.5%	16.8%	64.6%
Baltimore City	10,600	8,027	75.7%	592	10.0%	12.7%	16.4%	61.0%
Baltimore	3,769	2,869	76.1%	647	7.4%	10.7%	14.6%	67.2%
Carroll	162	117	72.2%	688	6.8%	11.1%	12.8%	69.2%
Harford	516	381	73.8%	582	7.9%	13.6%	15.7%	62.7%
Howard	695	530	76.3%	643	7.7%	9.1%	15.7%	67.5%
Queen Anne’s	57	39	68.4%	729	10.3%	5.1%	12.8%	71.8%
Total	17,197	13,023	75.7%	612	8.9%	12.1%	15.9%	63.1%

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

Jurisdiction of Current Residence	Total People Aged 13+ Living with Diagnosed HIV					
	No.	Recent Viral Load Test Result				Median Unsuppressed
		No. with Test	% with Test	% Suppressed		
Anne Arundel	1,398	1,092	78.1%	89.5%		14,900
Baltimore City	10,600	8,525	80.4%	86.3%		13,357
Baltimore	3,769	3,030	80.4%	90.2%		6,934
Carroll	162	122	75.3%	91.0%		7,160
Harford	516	390	75.6%	90.0%		7,870
Howard	695	545	78.4%	89.9%		7,907
Queen Anne's	57	43	75.4%	90.7%		8,220
Total	17,197	13,747	79.9%	87.7%		11,761

Section V – By Age

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

Age at HIV Diagnosis	Population	Reported HIV Diagnoses							
		No.	% of Total	Rate	Linked to Care		Late HIV Diagnoses	First CD4 Test Result	
					% 1 month	% 3 months		% with Test	Median Count
<5 (Pediatric)	166,242	0	0.0%	0.0	--	--	--	--	--
5-12 (Pediatric)	272,659	0	0.0%	0.0	--	--	--	--	--
13-19	241,978	8	2.0%	3.3	75.0%	75.0%	***	75.0%	439
20-29	371,093	147	36.2%	39.6	83.0%	89.8%	8.8%	89.1%	435
30-39	396,438	102	25.1%	25.7	88.2%	90.2%	20.6%	90.2%	382
40-49	339,899	62	15.3%	18.2	93.5%	96.8%	29.0%	88.7%	320
50-59	384,646	54	13.3%	14.0	87.0%	87.0%	35.2%	83.3%	280
60+	627,098	33	8.1%	5.3	90.9%	93.9%	***	97.0%	216
Total	2,800,053	406	100.0%	14.5	86.9%	90.6%	21.2%	88.9%	379

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

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

Age on December 31, 2019	Population	Total People Living with Diagnosed HIV			
		No.	% of Total	Rate	Ratio (1 in X)
<5 (Pediatric)	166,242	3	0.0%	1.8	55,414
5-12 (Pediatric)	272,659	18	0.1%	6.6	15,148
13-19	241,978	74	0.4%	30.6	3,270
20-29	371,093	1,320	7.7%	355.7	281
30-39	396,438	3,046	17.7%	768.3	130
40-49	339,899	3,156	18.3%	928.5	108
50-59	384,646	5,433	31.6%	1,412.5	71
60+	627,098	4,168	24.2%	664.6	150
Total	2,800,053	17,218	100.0%	614.9	163

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

Age on December 31, 2019	Total People Aged 13+ Living with Diagnosed HIV							
	No.	Recent CD4 Test Results						
		No. with Test	% with Test	Median Count	<200	200-349	350-499	500+
13-19	74	67	90.5%	688	3.0%	6.0%	13.4%	77.6%
20-29	1,320	1,055	79.9%	619	8.6%	9.7%	16.0%	65.7%
30-39	3,046	2,243	73.6%	628	9.3%	10.8%	15.5%	64.4%
40-49	3,156	2,336	74.0%	625	9.5%	12.5%	14.6%	63.3%
50-59	5,433	4,158	76.5%	613	9.3%	12.1%	15.6%	63.0%
60+	4,168	3,164	75.9%	587	7.9%	13.7%	17.6%	60.8%
Total	17,197	13,023	75.7%	612	8.9%	12.1%	15.9%	63.1%

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

Age on December 31, 2019	Total People Aged 13+ Living with Diagnosed HIV				
	No.	Recent Viral Load Test Result			Median Unsuppressed
		No. with Test	% with Test	% Suppressed	
13-19	74	69	93.2%	87.0%	4,330
20-29	1,320	1,079	81.7%	75.1%	15,090
30-39	3,046	2,358	77.4%	81.0%	12,270
40-49	3,156	2,450	77.6%	87.8%	15,000
50-59	5,433	4,423	81.4%	89.7%	11,188
60+	4,168	3,368	80.8%	93.9%	6,870
Total	17,197	13,747	79.9%	87.7%	11,761

Section VI – By Demographics

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

Demographic Characteristics	Population Age 13+	Reported HIV Diagnoses Among People Aged 13+							
		No.	% of Total	Rate	Linked to Care		Late HIV Diagnoses	First CD4 Test Result	
					% 1 month	% 3 months	%	% with Test	Median Count
Sex at Birth									
Male	1,125,397	291	71.7%	25.9	91.1%	94.2%	22.0%	90.0%	343
Female	1,235,755	115	28.3%	9.3	76.5%	81.7%	19.1%	86.1%	460
Gender									
Male	1,125,397	280	69.0%	24.9	91.1%	94.3%	22.9%	89.6%	336
Female	1,235,755	115	28.3%	9.3	76.5%	81.7%	19.1%	86.1%	460
Transfeminine	--	11	2.7%	0.0	90.9%	90.9%	0.0%	100.0%	717
Transmasculine	--	0	0.0%	0.0	--	--	--	--	--
Another Gender Identity	--	0	0.0%	0.0	--	--	--	--	--
Race/Ethnicity									
Hispanic	127,011	28	6.9%	22.0	96.4%	100.0%	32.1%	100.0%	358
Non-Hispanic	2,234,141	378	93.1%	16.9	86.2%	89.9%	20.4%	88.1%	384
American Indian/Alaska Native, only	5,976	0	0.0%	0.0	--	--	--	--	--
Asian, only	139,176	7	1.7%	5.0	100.0%	100.0%	***	85.7%	392
Black, only	684,541	302	74.4%	44.1	85.1%	89.4%	19.5%	88.1%	384
Native Hawaiian/Other Pacific Islander, only	1,133	0	0.0%	0.0	--	--	--	--	--
White, only	1,358,738	55	13.5%	4.0	89.1%	90.9%	27.3%	87.3%	327
Multiracial/Other	44,577	14	3.4%	31.4	92.9%	92.9%	***	92.9%	466
Total	2,361,152	406	100.0%	17.2	86.9%	90.6%	21.2%	88.9%	379
Country of Birth									
United States	2,073,448	332	81.8%	16.0	86.1%	90.4%	19.9%	88.6%	383
Foreign-Born	276,159	34	8.4%	12.3	91.2%	94.1%	26.5%	94.1%	371
Africa	--	18	4.4%	--	88.9%	94.4%	***	94.4%	564
Asia	--	3	0.7%	--	***	***	***	***	***
Caribbean	--	2	0.5%	--	***	***	***	***	***
Central America	--	7	1.7%	--	100.0%	100.0%	***	100.0%	60
Other	--	4	1.0%	--	***	***	***	***	***
Unknown	--	40	9.9%	--	90.0%	90.0%	27.5%	87.5%	350
Total	2,349,607	406	100.0%	17.3	86.9%	90.6%	21.2%	88.9%	379

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

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

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

Reported HIV Diagnoses Among People Aged 13+								
Race/Ethnicity	Sex at Birth							
	Male				Female			
	Population 13+	No.	% of Total	Rate	Population 13+	No.	% of Total	Rate
Hispanic	65,641	26	8.9%	39.6	61,370	2	1.7%	3.3
Non-Hispanic	1,059,756	265	91.1%	25.0	1,174,386	113	98.3%	25.0
American Indian/Alaska Native, only	2,892	0	0.0%	0.0	3,085	0	0.0%	0.0
Asian, only	66,082	6	2.1%	9.1	73,094	1	0.9%	1.4
Black, only	308,248	210	72.2%	68.1	376,293	92	80.0%	24.4
Native Hawaiian/Other Pacific Islander, only	516	0	0.0%	0.0	617	0	0.0%	0.0
White, only	661,087	40	13.7%	6.1	697,651	15	13.0%	2.2
Multiracial/Other	20,931	9	3.1%	43.0	23,646	5	4.3%	21.1
Total	1,125,397	291	100.0%	25.9	1,235,755	115	100.0%	25.9

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

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

Demographic Characteristics	Population Age 13+	Total People Aged 13+ Living with Diagnosed HIV			
		No.	% of Total	Rate	Ratio (1 in X)
Sex at Birth					
Male	1,125,397	11,225	65.3%	997.4	100
Female	1,235,755	5,972	34.7%	483.3	207
Gender					
Male	1,125,397	11,006	64.0%	978.0	102
Female	1,235,755	5,958	34.6%	482.1	207
Transfeminine	--	219	1.3%	--	--
Transmasculine	--	14	0.1%	--	--
Another Gender Identity	--	0	0.0%	--	--
Race/Ethnicity					
Hispanic	127,011	807	4.7%	635.4	157
Non-Hispanic	2,234,141	16,390	95.3%	733.6	136
American Indian/Alaska Native, only	5,976	8	0.0%	133.9	747
Asian, only	139,176	105	0.6%	75.4	1,325
Black, only	684,541	13,086	76.1%	1,911.6	52
Native Hawaiian/Other Pacific Islander, only	1,133	0	0.0%	0.0	--
White, only	1,358,738	2,215	12.9%	163.0	613
Multiracial/Other	44,577	976	5.7%	2,189.5	46
Total	2,361,152	17,197	100.0%	728.3	137
Country of Birth					
United States	2,073,448	15,737	91.5%	759.0	132
Foreign-Born	276,159	985	5.7%	356.7	280
Africa	--	539	3.1%	--	--
Asia	--	106	0.6%	--	--
Caribbean	--	82	0.5%	--	--
Central America	--	166	1.0%	--	--
Other	--	92	0.5%	--	--
Unknown	--	475	2.8%	--	--
Total	2,349,607	17,197	100.0%	731.9	137

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

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

Total People Aged 13+ Living with Diagnosed HIV								
Race/Ethnicity	Sex at Birth							
	Male				Female			
	Population 13+	No.	% of Total	Rate	Population 13+	No.	% of Total	Rate
Hispanic	65,641	609	5.4%	927.8	61,370	198	3.3%	322.6
Non-Hispanic	1,059,756	10,616	94.6%	1,001.7	1,174,386	5,774	96.7%	491.7
American Indian/Alaska Native, only	2,892	4	0.0%	138.3	3,085	4	0.1%	129.7
Asian, only	66,082	81	0.7%	122.6	73,094	24	0.4%	32.8
Black, only	308,248	8,133	72.5%	2,638.5	376,293	4,953	82.9%	1,316.3
Native Hawaiian/Other Pacific Islander, only	516	0	0.0%	0.0	617	0	0.0%	0.0
White, only	661,087	1,744	15.5%	263.8	697,651	471	7.9%	67.5
Multiracial/Other	20,931	654	5.8%	3,124.6	23,646	322	5.4%	1,361.8
Total	1,125,397	11,225	100.0%	997.4	1,235,755	5,972	100.0%	483.3

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

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

Demographic Characteristics	Total People Aged 13+ Living with Diagnosed HIV							
	No.	Recent CD4 Test Result						
		No. with Test	% with Test	Median Count	<200	200-349	350-499	500+
Sex at Birth								
Male	11,225	8,400	74.8%	587	8.9%	12.7%	17.4%	61.0%
Female	5,972	4,623	77.4%	666	9.0%	11.0%	13.3%	66.7%
Gender								
Male	11,006	8,225	74.7%	585	8.9%	12.8%	17.4%	60.9%
Female	5,958	4,612	77.4%	665	9.0%	11.0%	13.3%	66.7%
Transfeminine	219	175	79.9%	634	9.7%	9.7%	13.1%	67.4%
Transmasculine	14	11	78.6%	763	0.0%	9.1%	0.0%	90.9%
Another Gender Identity	0	--	--	--	--	--	--	--
Race/Ethnicity								
Hispanic	807	599	74.2%	590	9.3%	13.5%	16.4%	60.8%
Non-Hispanic	16,390	12,424	75.8%	614	8.9%	12.0%	15.9%	63.2%
American Indian/Alaska Native, only	8	***	***	***	***	***	***	***
Asian, only	105	***	***	***	***	***	***	***
Black, only	13,086	9,959	76.1%	610	9.1%	12.2%	15.9%	62.8%
Native Hawaiian/Other Pacific Islander, only	0	--	--	--	--	--	--	--
White, only	2,215	1,617	73.0%	647	8.1%	10.7%	15.5%	65.7%
Multiracial/Other	976	770	78.9%	605	8.7%	13.0%	16.1%	62.2%
Country of Birth								
United States	15,737	11,966	76.0%	613	9.1%	12.1%	15.8%	63.0%
Foreign-Born	985	702	71.3%	595	6.4%	13.4%	17.8%	62.4%
Africa	539	384	71.2%	595	6.0%	12.5%	19.0%	62.5%
Asia	106	76	71.7%	569	1.3%	13.2%	23.7%	61.8%
Caribbean	82	61	74.4%	674	11.5%	9.8%	9.8%	68.9%
Central America	166	118	71.1%	548	10.2%	16.9%	15.3%	57.6%
Other	92	63	68.5%	613	3.2%	15.9%	15.9%	65.1%
Unknown	475	355	74.7%	650	6.8%	9.6%	16.1%	67.6%
Total	17,197	13,023	75.7%	612	8.9%	12.1%	15.9%	63.1%

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

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

Demographic Characteristics	Total People Aged 13+ Living with Diagnosed HIV				
	No.	Recent Viral Load Test Result			Median Unsuppressed
		No. with Test	% with Test	% Suppressed	
Sex at Birth					
Male	11,225	8,834	78.7%	87.7%	12,170
Female	5,972	4,913	82.3%	87.8%	10,600
Gender					
Male	11,006	8,655	78.6%	87.9%	12,100
Female	5,958	4,901	82.3%	87.8%	10,600
Transfeminine	219	179	81.7%	77.1%	13,300
Transmasculine	14	12	85.7%	83.3%	770,450
Another Gender Identity	0	--	--	--	--
Race/Ethnicity					
Hispanic	807	625	77.4%	89.0%	15,000
Non-Hispanic	16,390	13,122	80.1%	87.7%	11,276
American Indian/Alaska Native, only	8	***	***	***	***
Asian, only	105	***	***	***	***
Black, only	13,086	10,493	80.2%	86.6%	11,276
Native Hawaiian/Other Pacific Islander, only	0	--	--	--	--
White, only	2,215	1,732	78.2%	92.6%	12,000
Multiracial/Other	976	819	83.9%	90.0%	7,940
Country of Birth					
United States	15,737	12,646	80.4%	87.5%	11,761
Foreign-Born	985	729	74.0%	92.5%	13,070
Africa	539	403	74.8%	92.3%	6,930
Asia	106	74	69.8%	95.9%	20,700
Caribbean	82	63	76.8%	93.7%	49,635
Central America	166	124	74.7%	91.1%	46,900
Other	92	65	70.7%	90.8%	4,575
Unknown	475	372	78.3%	87.4%	10,100
Total	17,197	13,747	79.9%	87.7%	11,761

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

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

Total Males Living with Diagnosed HIV						
Age on December 31, 2019		Race/Ethnicity				Total Males by Age Group
		Hispanic	Non-Hispanic Black, only	Non-Hispanic White, only	Non-Hispanic Other Race	
<13 (Pediatric)	Population	24,847	69,729	103,003	26,148	223,726
	Number	1	8	1	0	10
	Rate	4.0	11.5	1.0	0.0	4.5
	Ratio (1 in X)	24,847	8,716	103,003	--	22,373
13-19	Population	10,214	39,353	60,318	13,284	123,170
	Number	2	31	3	1	37
	Rate	19.6	78.8	5.0	7.5	30.0
	Ratio (1 in X)	5,107	1,269	20,106	13,284	3,329
20-29	Population	13,104	58,737	97,670	17,116	186,627
	Number	57	835	70	48	1,010
	Rate	435.0	1,421.6	71.7	280.4	541.2
	Ratio (1 in X)	230	70	1,395	357	185
30-39	Population	15,988	52,780	105,491	17,889	192,148
	Number	166	1,661	242	151	2,220
	Rate	1,038.3	3,147.0	229.4	844.1	1,155.4
	Ratio (1 in X)	96	32	436	118	87
40-49	Population	12,790	45,885	88,850	15,752	163,277
	Number	143	1,194	312	133	1,782
	Rate	1,118.1	2,602.2	351.2	844.3	1,091.4
	Ratio (1 in X)	89	38	285	118	92
50-59	Population	7,737	49,550	114,621	11,758	183,666
	Number	158	2,384	629	235	3,406
	Rate	2,042.1	4,811.3	548.8	1,998.6	1,854.5
	Ratio (1 in X)	49	21	182	50	54
60+	Population	5,808	61,943	194,137	14,621	276,509
	Number	83	2,028	488	171	2,770
	Rate	1,429.1	3,274.0	251.4	1,169.6	1,001.8
	Ratio (1 in X)	70	31	398	86	100
Total Males by Race/Ethnicity	Population	90,488	377,977	764,090	116,568	1,349,123
	Number	610	8,141	1,745	739	11,235
	Rate	674.1	2,153.8	228.4	634.0	832.8
	Ratio (1 in X)	148	46	438	158	120

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

Total Females Living with Diagnosed HIV					
Age on December 31, 2019		Race/Ethnicity			
		Hispanic	Non-Hispanic Black, only	Non-Hispanic White, only	Non-Hispanic Other Race
<13 (Pediatric)	Population	23,419	68,201	98,213	25,342
	Number	0	10	0	1
	Rate	0.0	14.7	0.0	3.9
	Ratio (1 in X)	--	6,820	--	25,342
13-19	Population	9,764	38,721	57,057	13,266
	Number	1	35	0	1
	Rate	10.2	90.4	0.0	7.5
	Ratio (1 in X)	9,764	1,106	--	13,266
20-29	Population	12,439	61,772	92,691	17,564
	Number	15	259	23	13
	Rate	120.6	419.3	24.8	74.0
	Ratio (1 in X)	829	239	4,030	1,351
30-39	Population	13,951	64,713	105,175	20,451
	Number	37	644	88	57
	Rate	265.2	995.2	83.7	278.7
	Ratio (1 in X)	377	100	1,195	359
40-49	Population	11,360	56,486	91,003	17,773
	Number	65	1,101	117	91
	Rate	572.2	1,949.2	128.6	512.0
	Ratio (1 in X)	175	51	778	195
50-59	Population	7,057	60,621	119,825	13,477
	Number	52	1,717	158	100
	Rate	736.9	2,832.4	131.9	742.0
	Ratio (1 in X)	136	35	758	135
60+	Population	6,799	93,980	231,900	17,910
	Number	28	1,197	85	88
	Rate	411.8	1,273.7	36.7	491.3
	Ratio (1 in X)	243	79	2,728	204
Total Females by Race/Ethnicity	Population	84,789	444,494	795,864	125,783
	Number	198	4,963	471	351
	Rate	233.5	1,116.6	59.2	279.1
	Ratio (1 in X)	428	90	1,690	358

Section VII – By HIV Exposure Category

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

Estimated or Reported Exposure Category	Reported HIV Diagnoses Among People Aged 13+						
	No.	% of Total	Linked to Care		Late HIV Diagnoses	First CD4 Test Result	
			% 1 month	% 3 months	%	% with Test	Median Count
Male-to-male Sexual Contact (MSM)	209	51.6%	90.9%	95.0%	18.3%	91.2%	374
Injection Drug Use (IDU)	43	10.5%	79.8%	80.0%	***	81.2%	295
Male-to-male Sexual Contact and Injection Drug Use (MSM/IDU)	7	1.6%	81.8%	83.3%	***	80.3%	325
Heterosexual Contact (HET)	148	36.3%	83.6%	87.8%	22.6%	88.3%	419
Perinatal Transmission	0	0.0%	--	--	--	--	--
Other Exposure	0	0.0%	--	--	--	--	--
No Estimated or Reported Exposure	0	0.0%	--	--	--	--	--
Total	406	100.0%	86.9%	90.6%	21.2%	88.9%	379
Male Estimated or Reported Exposure Category							
Male-to-male Sexual Contact (MSM)	209	71.9%	90.9%	95.0%	18.3%	91.2%	374
Injection Drug Use (IDU)	20	7.0%	85.8%	86.3%	***	84.3%	280
Male-to-male Sexual Contact and Injection Drug Use (MSM/IDU)	7	2.3%	81.8%	83.3%	***	80.3%	325
Heterosexual Contact (HET)	55	18.8%	94.7%	95.1%	30.2%	88.8%	300
Perinatal Transmission	0	0.0%	--	--	--	--	--
Other Exposure	0	0.0%	--	--	--	--	--
No Estimated or Reported Exposure	0	0.0%	--	--	--	--	--
Total	291	100.0%	91.1%	94.2%	22.0%	90.0%	343
Female Estimated or Reported Exposure Category							
Injection Drug Use (IDU)	22	19.3%	74.3%	74.3%	23.0%	78.4%	306
Heterosexual Contact (HET)	93	80.7%	77.0%	83.5%	18.2%	87.9%	471
Perinatal Transmission	0	0.0%	--	--	--	--	--
Other Exposure	0	0.0%	--	--	--	--	--
No Estimated or Reported Exposure	0	0.0%	--	--	--	--	--
Total	115	100.0%	76.5%	81.7%	19.1%	86.1%	460

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

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

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

Estimated or Reported Exposure Category	Total People Aged 13+ Living with Diagnosed HIV	
	No.	% of Total
Male-to-male Sexual Contact (MSM)	6,105	35.5%
Injection Drug Use (IDU)	4,134	24.0%
Male-to-male Sexual Contact and Injection Drug Use (MSM/IDU)	762	4.4%
Heterosexual Contact (HET)	5,884	34.2%
Perinatal Transmission	244	1.4%
Other Exposure	28	0.2%
No Estimated or Reported Exposure	40	0.2%
Total	17,197	100.0%
Male Estimated or Reported Exposure Category		
Male-to-male Sexual Contact (MSM)	6,105	54.4%
Injection Drug Use (IDU)	2,374	21.1%
Male-to-male Sexual Contact and Injection Drug Use (MSM/IDU)	762	6.8%
Heterosexual Contact (HET)	1,850	16.5%
Perinatal Transmission	99	0.9%
Other Exposure	17	0.2%
No Estimated or Reported Exposure	18	0.2%
Total	11,225	100.0%
Female Estimated or Reported Exposure Category		
Injection Drug Use (IDU)	1,760	29.5%
Heterosexual Contact (HET)	4,034	67.5%
Perinatal Transmission	145	2.4%
Other Exposure	11	0.2%
No Estimated or Reported Exposure	22	0.4%
Total	5,972	100.0%

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

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

Estimated or Reported Exposure Category	Total People Aged 13+ Living with Diagnosed HIV					
	Race/Ethnicity					
	Hispanic		Non-Hispanic, Black, only		Non-Hispanic, White, only	
	No.	% of Total	No.	% of Total	No.	% of Total
Male-to-male Sexual Contact (MSM)	394	48.8%	3,981	30.4%	1,285	58.0%
Injection Drug Use (IDU)	83	10.3%	3,402	26.0%	414	18.7%
Male-to-male Sexual Contact and Injection Drug Use (MSM/IDU)	34	4.2%	563	4.3%	105	4.7%
Heterosexual Contact (HET)	286	35.5%	4,876	37.3%	389	17.5%
Perinatal Transmission	5	0.6%	217	1.7%	10	0.5%
Other Exposure	1	0.1%	13	0.1%	12	0.5%
No Estimated or Reported Exposure	4	0.5%	33	0.3%	1	0.0%
Total	807	100.0%	13,085	100.0%	2,216	100.0%

Male Estimated or Reported Exposure Category						
Male-to-male Sexual Contact (MSM)	394	64.7%	3,981	48.9%	1,285	73.7%
Injection Drug Use (IDU)	47	7.8%	2,022	24.9%	193	11.0%
Male-to-male Sexual Contact and Injection Drug Use (MSM/IDU)	34	5.6%	563	6.9%	105	6.0%
Heterosexual Contact (HET)	129	21.2%	1,464	18.0%	145	8.3%
Perinatal Transmission	2	0.3%	85	1.0%	6	0.3%
Other Exposure	1	0.2%	5	0.1%	10	0.6%
No Estimated or Reported Exposure	2	0.3%	13	0.2%	1	0.1%
Total	609	100.0%	8,133	100.0%	1,745	100.0%

Female Estimated or Reported Exposure Category						
Injection Drug Use (IDU)	36	18.0%	1,381	27.9%	221	47.0%
Heterosexual Contact (HET)	157	79.4%	3,412	68.9%	244	51.7%
Perinatal Transmission	3	1.5%	132	2.7%	4	0.8%
Other Exposure	0	0.0%	8	0.2%	2	0.4%
No Estimated or Reported Exposure	2	1.0%	20	0.4%	0	0.0%
Total	198	100.0%	4,953	100.0%	471	100.0%

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

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

Estimated or Reported Exposure Category	Total People Aged 13+ with Living Diagnosed HIV							
	No.	Recent CD4 Test Results						
		No. with Test	% with Test	Median Count	<200	200-349	350-499	500+
Male-to-male Sexual Contact (MSM)	6,105	4,646	76.1%	636	6.6%	10.4%	16.1%	66.8%
Injection Drug Use (IDU)	4,134	3,146	76.1%	548	13.3%	14.9%	16.7%	55.2%
Male-to-male Sexual Contact and Injection Drug Use (MSM/IDU)	762	582	76.4%	551	10.2%	12.9%	19.6%	57.3%
Heterosexual Contact (HET)	5,884	4,396	74.7%	642	7.5%	12.1%	14.4%	66.1%
Perinatal Transmission	244	201	82.4%	531	19.9%	7.5%	19.9%	52.7%
Other Exposure	28	17	60.7%	472	23.5%	11.8%	17.6%	47.1%
No Estimated or Reported Exposure	40	34	85.0%	534	8.8%	5.9%	26.5%	58.8%
Total	17,197	13,023	75.7%	612	8.9%	12.1%	15.9%	63.1%

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

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

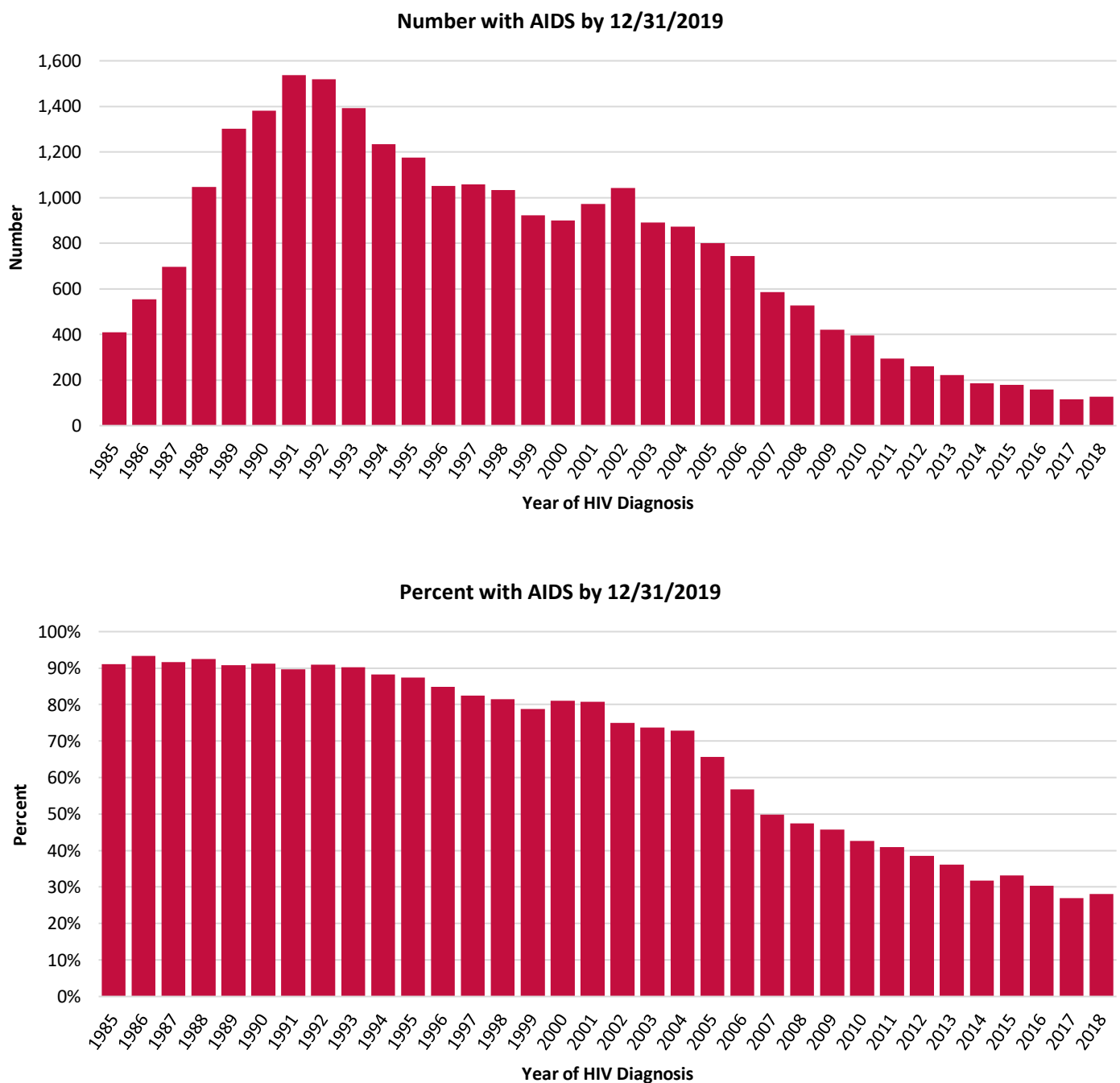
Estimated or Reported Exposure Category	Total People Aged 13+ with Living Diagnosed HIV				
	No.	Recent Viral Load Test Results			
		No. with Test	% with Test	% Suppressed	Median Unsuppressed
Male-to-male Sexual Contact (MSM)	6,105	4,888	80.1%	87.9%	11,900
Injection Drug Use (IDU)	4,134	3,339	80.8%	87.0%	12,733
Male-to-male Sexual Contact and Injection Drug Use (MSM/IDU)	762	614	80.6%	86.3%	14,700
Heterosexual Contact (HET)	5,884	4,640	78.9%	89.1%	9,720
Perinatal Transmission	244	212	86.9%	71.7%	11,800
Other Exposure	28	20	71.4%	85.0%	18,900
No Estimated or Reported Exposure	40	34	85.0%	73.5%	1,620
Total	17,197	13,747	79.9%	87.7%	11,761

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

Section VIII – Disease Progression and Mortality

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

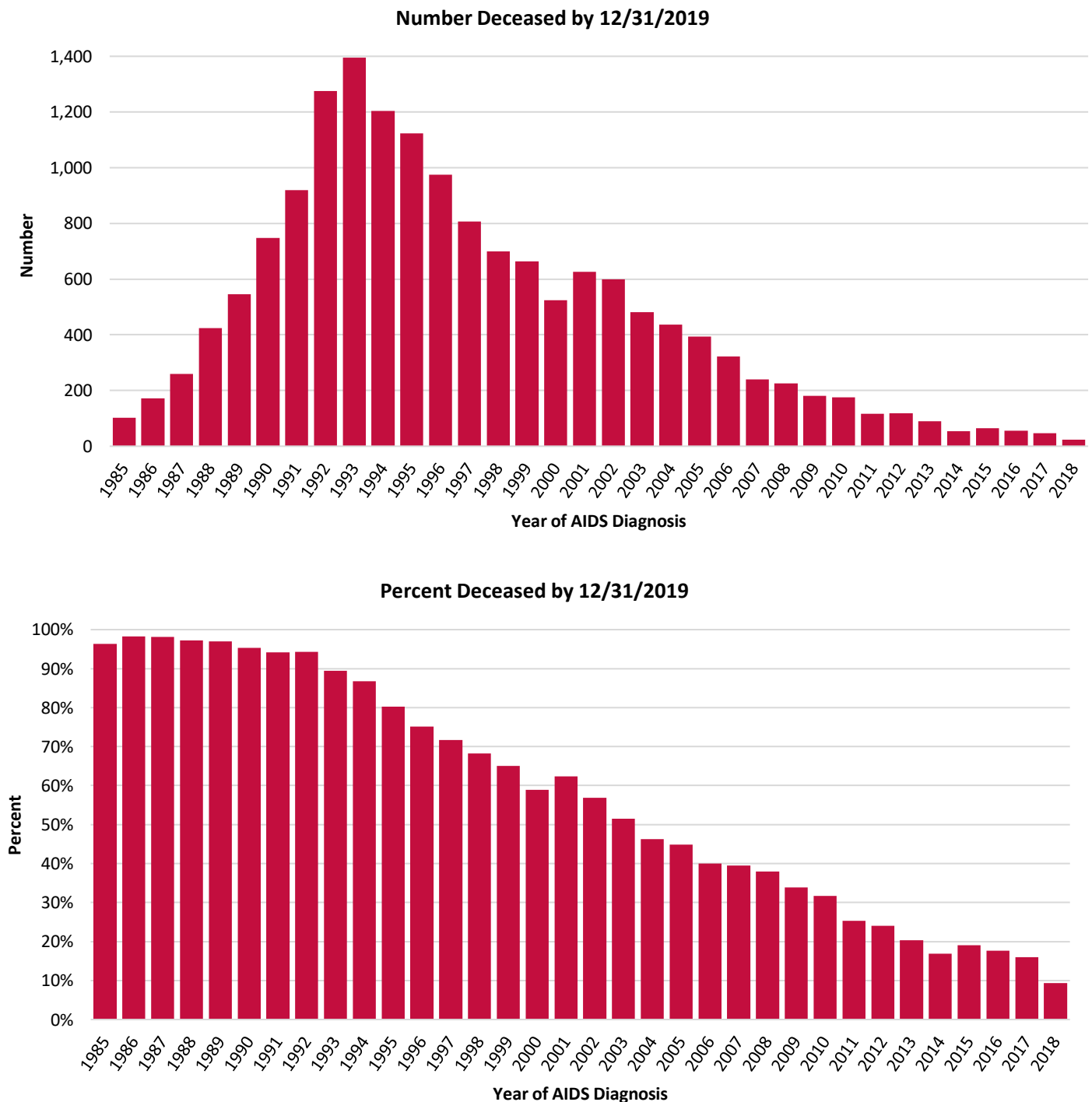
Number of People Aged 13+ with Diagnosed HIV, Age 13+ at HIV Diagnosis, (Reported HIV Diagnoses Among People Aged 13+), Number of People Aged 13+ with Diagnosed HIV with an AIDS Diagnosis by December 31, 2019 (Reported AIDS Diagnoses), Percent by Year of HIV Diagnosis of Reported HIV Diagnoses with a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



Reported HIV Diagnoses Among People Aged 13+								
Year of HIV Diagnosis	No.	Reported AIDS Diagnoses			Percent with AIDS by Years After HIV Diagnosis			
		No.	% with AIDS	Mean Years from HIV to AIDS	1 Year	2 Years	5 Years	10 Years
<1985	236	229	97.0%	7.2	33.5%	33.5%	36.9%	68.2%
1985	450	410	91.1%	6.6	26.0%	27.6%	35.6%	74.4%
1986	594	555	93.4%	5.6	33.0%	34.0%	46.1%	80.3%
1987	759	696	91.7%	4.7	33.3%	36.9%	54.2%	82.3%
1988	1,131	1,046	92.5%	3.9	38.0%	41.8%	63.7%	85.9%
1989	1,433	1,301	90.8%	3.6	38.3%	44.0%	67.6%	83.4%
1990	1,515	1,382	91.2%	3.1	43.9%	50.8%	73.4%	85.3%
1991	1,715	1,537	89.6%	2.8	46.5%	56.0%	73.6%	84.1%
1992	1,671	1,519	90.9%	2.7	50.4%	58.9%	75.7%	84.6%
1993	1,542	1,392	90.3%	2.3	54.5%	62.8%	77.0%	86.0%
1994	1,400	1,235	88.2%	2.4	54.0%	61.9%	74.6%	83.0%
1995	1,344	1,175	87.4%	2.4	56.3%	62.1%	72.2%	82.1%
1996	1,239	1,052	84.9%	2.0	59.4%	64.2%	71.8%	80.6%
1997	1,283	1,057	82.4%	2.2	54.3%	59.4%	68.9%	77.5%
1998	1,266	1,032	81.5%	2.1	55.9%	59.9%	68.5%	76.9%
1999	1,170	922	78.8%	1.9	56.2%	60.3%	68.5%	75.1%
2000	1,108	899	81.1%	1.9	55.6%	59.8%	69.8%	77.5%
2001	1,203	972	80.8%	1.8	58.1%	62.2%	71.2%	76.6%
2002	1,390	1,042	75.0%	2.0	53.0%	56.5%	64.0%	70.8%
2003	1,208	890	73.7%	1.7	53.8%	57.8%	63.7%	70.5%
2004	1,200	873	72.8%	1.9	51.3%	55.3%	61.8%	68.9%
2005	1,220	800	65.6%	1.8	45.8%	49.1%	55.9%	63.0%
2006	1,308	743	56.8%	2.1	37.9%	40.2%	47.5%	54.1%
2007	1,172	585	49.9%	2.4	29.2%	32.3%	39.9%	47.4%
2008	1,112	527	47.4%	2.1	28.6%	32.1%	39.8%	45.7%
2009	919	420	45.7%	1.9	28.1%	31.1%	39.2%	45.4%
2010	924	395	42.7%	2.0	26.0%	28.8%	36.3%	--
2011	717	294	41.0%	1.5	27.2%	31.2%	36.1%	--
2012	676	260	38.5%	1.3	27.8%	30.2%	35.8%	--
2013	614	222	36.2%	0.9	28.8%	30.3%	34.7%	--
2014	581	185	31.8%	0.8	24.8%	27.7%	31.5%	--
2015	536	178	33.2%	0.7	26.3%	29.3%	--	--
2016	523	159	30.4%	0.5	25.8%	28.1%	--	--
2017	432	116	26.9%	0.3	24.8%	25.9%	--	--
2018	449	126	28.1%	0.2	26.7%	--	--	--
Total	36,040	26,226	72.8%	2.5	43.9%	48.5%	59.2%	68.5%

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

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



Reported AIDS Diagnoses Among People Aged 13+								
Year of AIDS Diagnosis	No.	Reported AIDS Deaths			Percent Alive by Years After AIDS Diagnosis			
		No.	% Deceased	Mean Years from AIDS to Death	1 Year	2 Years	5 Years	10 Years
<1985	76	72	94.7%	2.5	52.6%	32.9%	15.8%	13.2%
1985	107	103	96.3%	1.9	43.0%	22.4%	9.3%	7.5%
1986	175	172	98.3%	2.6	54.3%	36.0%	14.9%	8.6%
1987	265	260	98.1%	2.2	61.9%	33.2%	11.3%	5.3%
1988	436	424	97.2%	2.5	59.2%	39.2%	14.2%	6.9%
1989	562	545	97.0%	2.8	60.7%	39.1%	15.5%	8.0%
1990	785	748	95.3%	3.1	65.7%	46.4%	20.0%	11.6%
1991	976	919	94.2%	2.9	67.6%	46.1%	18.0%	12.1%
1992	1,352	1,275	94.3%	3.2	70.3%	48.7%	20.0%	13.8%
1993	1,559	1,395	89.5%	4.0	77.6%	55.3%	32.3%	20.8%
1994	1,389	1,204	86.7%	4.2	77.2%	58.1%	37.6%	23.6%
1995	1,399	1,124	80.3%	5.3	78.4%	66.2%	49.2%	35.2%
1996	1,298	975	75.1%	5.8	81.9%	74.7%	57.2%	41.0%
1997	1,125	807	71.7%	6.1	85.2%	77.2%	60.7%	44.4%
1998	1,025	699	68.2%	6.2	87.1%	80.2%	64.1%	47.2%
1999	1,018	663	65.1%	5.9	87.2%	80.1%	64.1%	48.7%
2000	892	525	58.9%	5.4	85.9%	80.3%	64.9%	52.5%
2001	1,003	626	62.4%	5.2	85.5%	76.8%	62.1%	49.9%
2002	1,052	599	56.9%	5.9	88.4%	82.8%	70.3%	56.8%
2003	934	481	51.5%	4.6	83.8%	78.1%	66.8%	57.4%
2004	942	436	46.3%	4.8	87.5%	82.8%	72.1%	61.9%
2005	876	393	44.9%	5.0	88.4%	83.4%	74.1%	64.7%
2006	805	322	40.0%	4.2	88.3%	83.6%	74.2%	64.3%
2007	605	239	39.5%	4.3	88.3%	84.8%	76.0%	64.8%
2008	596	226	37.9%	3.9	88.9%	83.9%	75.0%	64.9%
2009	531	180	33.9%	3.7	90.8%	86.6%	77.8%	66.5%
2010	556	176	31.7%	3.4	90.3%	87.2%	79.9%	--
2011	462	117	25.3%	3.3	93.9%	90.9%	81.8%	--
2012	490	118	24.1%	2.5	90.4%	88.4%	80.6%	--
2013	444	90	20.3%	2.5	94.1%	90.1%	82.4%	--
2014	320	54	16.9%	1.5	91.3%	87.5%	84.4%	--
2015	342	65	19.0%	1.4	90.6%	87.4%	--	--
2016	310	55	17.7%	1.2	91.0%	87.1%	--	--
2017	288	46	16.0%	1.0	91.7%	86.8%	--	--
2018*	259	24	9.3%	0.3	91.1%	--	--	--
Total	25,254	16,157	64.0%	4.3	81.7%	71.1%	55.3%	44.8%

*2018 AIDS deaths are preliminary

Section IX – Pediatrics

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

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

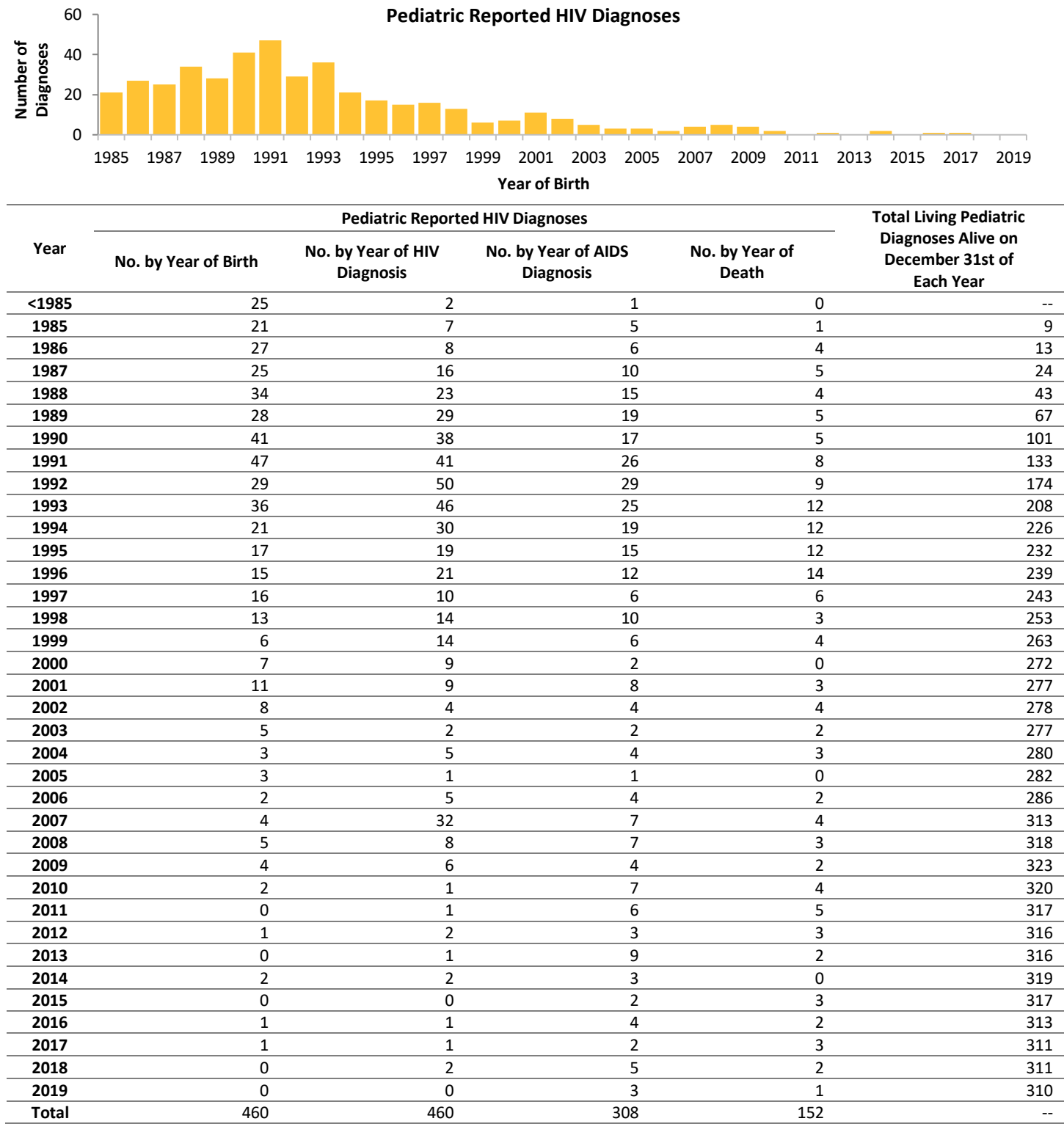


Table 23 – People Aged <13 Living with Diagnosed HIV, Alive on December 31, 2019, by Jurisdiction of Current Residence, Reported through June 30, 2020

Jurisdiction of Current Residence	Total People Aged <13 Living with Diagnosed HIV	
	No.	% of Total
Anne Arundel	1	4.8%
Baltimore City	11	52.4%
Baltimore	5	23.8%
Carroll	1	4.8%
Harford	2	9.5%
Howard	1	4.8%
Queen Anne's	0	0.0%
Total	21	100.0%

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

Demographic Characteristic	Total People Aged <13 Living with Diagnosed HIV	
	No.	% of Total
Sex at Birth		
Male	10	47.6%
Female	11	52.4%
Race/Ethnicity		
Hispanic	1	4.8%
Non-Hispanic	20	95.2%
American Indian/Alaska Native, only	0	0.0%
Asian, only	0	0.0%
Black, only	18	85.7%
Native Hawaiian/Other Pacific Islander, only	0	0.0%
White, only	1	4.8%
Multiracial/Other	1	4.8%
Total	21	100.0%

Glossary of Terms

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Population: Population estimate for July 1, 2019.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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