

2019

WESTERN 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/Western-Region-Annual-HIV-Epidemiological-Profile-2019>

Additional Information and Reporting Instructions

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

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Section I – Summary of Analyses and Technical Notes

Highlights of Analyses

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

All rates are per 100,000 population.

HIV Diagnoses

During 2019, there were 21 reported HIV diagnoses in the Western Region. The Western Region includes Allegany County, Frederick County, Garrett County, and Washington County. Data presented below describe HIV diagnoses in the Western Region, among people age 13 years and older, during 2019.

- Geographic distribution: Frederick County accounted for the highest number (13, 61.9%) of HIV diagnoses. The rate was highest in Allegany County (4.9).
- Age: Persons aged 20-39 years accounted for the highest number (13, 61.9%) of HIV diagnoses. The highest rate was among 20-29-year-olds (12.5).
- Sex at Birth: Males accounted for the highest number (16, 76.2%) of HIV diagnoses. The rate among males was 7.4 and 2.3 among females.
- Race/Ethnicity: Non-Hispanic Blacks accounted for the highest number (9, 42.9%) and the highest rate (21.6) of HIV diagnoses.
- Exposure Category: Male-to-male sexual contact accounted for the highest number (11, 52.9%) of diagnoses.

People living with Diagnosed HIV

At the end of 2019, there were 932 people living with diagnosed HIV in the Western Region. Data presented below describe people living with diagnosed HIV, aged 13 years and older, in the Western Region.

- Geographic distribution: Frederick County accounted for the highest number (454, 48.7%) of people living with diagnosed HIV. The rate was highest in Washington County (273.1).
- Age: Persons aged 40-59 years accounted for the highest number (508, 54.3%) of people living with diagnosed HIV. The highest rate was among 50-59-year-olds (419.5).
- Sex at Birth: Males accounted for the highest number (647, 69.4%) of people living with diagnosed HIV. The rate among males was 299.6 and 131.9 among females.
- Race/Ethnicity: Non-Hispanic Whites accounted for the highest number (416, 44.6%) of the people living with diagnosed HIV. The rate was the highest in Non-Hispanic Blacks (828.3).
- Exposure Category: Male-to-male sexual contact accounted for the highest number (427, 45.8%) of the total people living with diagnosed HIV.

Engagement in HIV Care

- HIV diagnosed: Among people living with HIV in the Western Region, it is estimated that 89.2% have been diagnosed, while an estimated 113 people with HIV in the Western Region remain undiagnosed.
- Linked to care: 66.7% of reported HIV diagnoses during 2019 were linked to care within one month of their HIV diagnosis.
- Retained in care: Among people living with diagnosed HIV, 82.5% were retained in care during 2019.
- Viral suppression: In 2019, 73.1% of people living with diagnosed HIV achieved viral suppression.

Technical Notes

HIV/AIDS Reporting

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

Report Changes

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

- The Background Information section has been replaced with the Summary of Analyses and Technical Notes section.
- Tables describing new HIV diagnoses by geography have been restructured. All new HIV and AIDS diagnoses will appear in Table 1. All laboratory data and outcomes for new HIV diagnoses will be described in Table 2. In the county level reports, only ZIP codes with at least five new HIV diagnoses during the specified year will be included in tables describing laboratory data and outcomes.
- Tables describing people living with diagnosed HIV by sex at birth and race/ethnicity have been added to the demographics section (Section VI).
- Mean years from HIV to AIDS diagnosis and the

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

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.

percentage of late HIV diagnoses among AIDS diagnoses is no longer presented in tables.

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.

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.

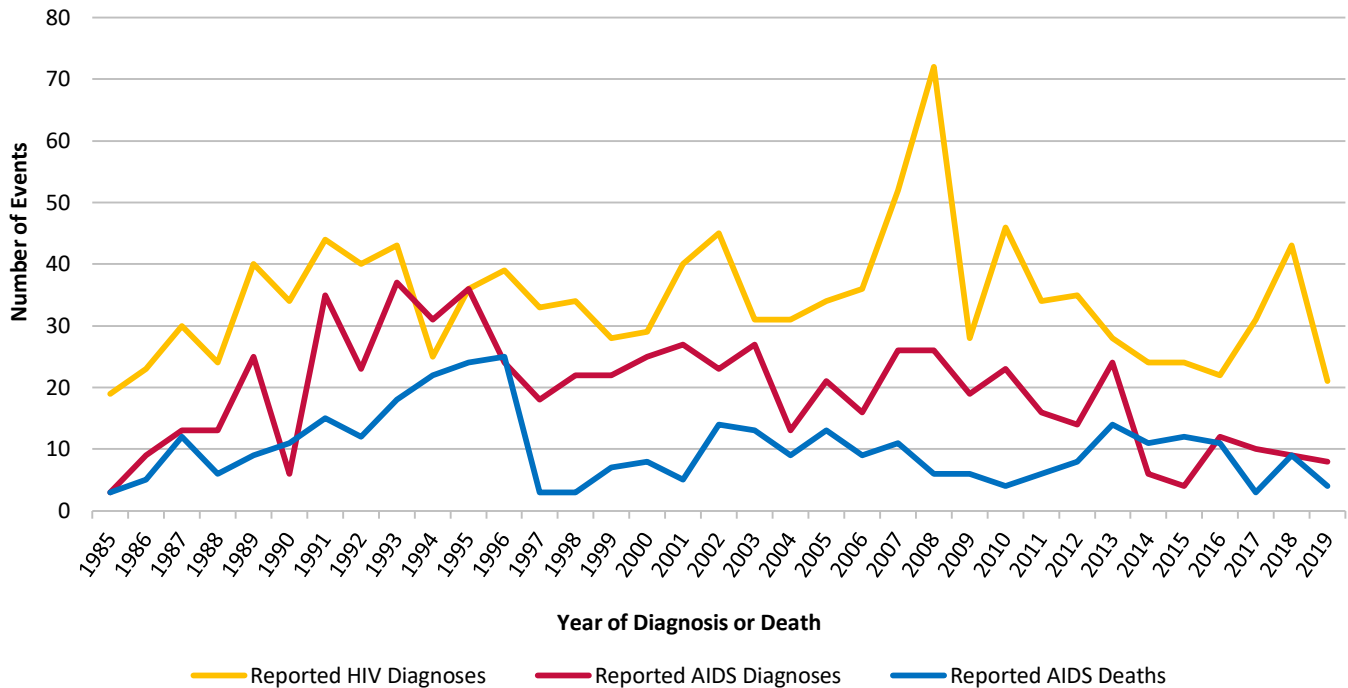
Multiple Imputation

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

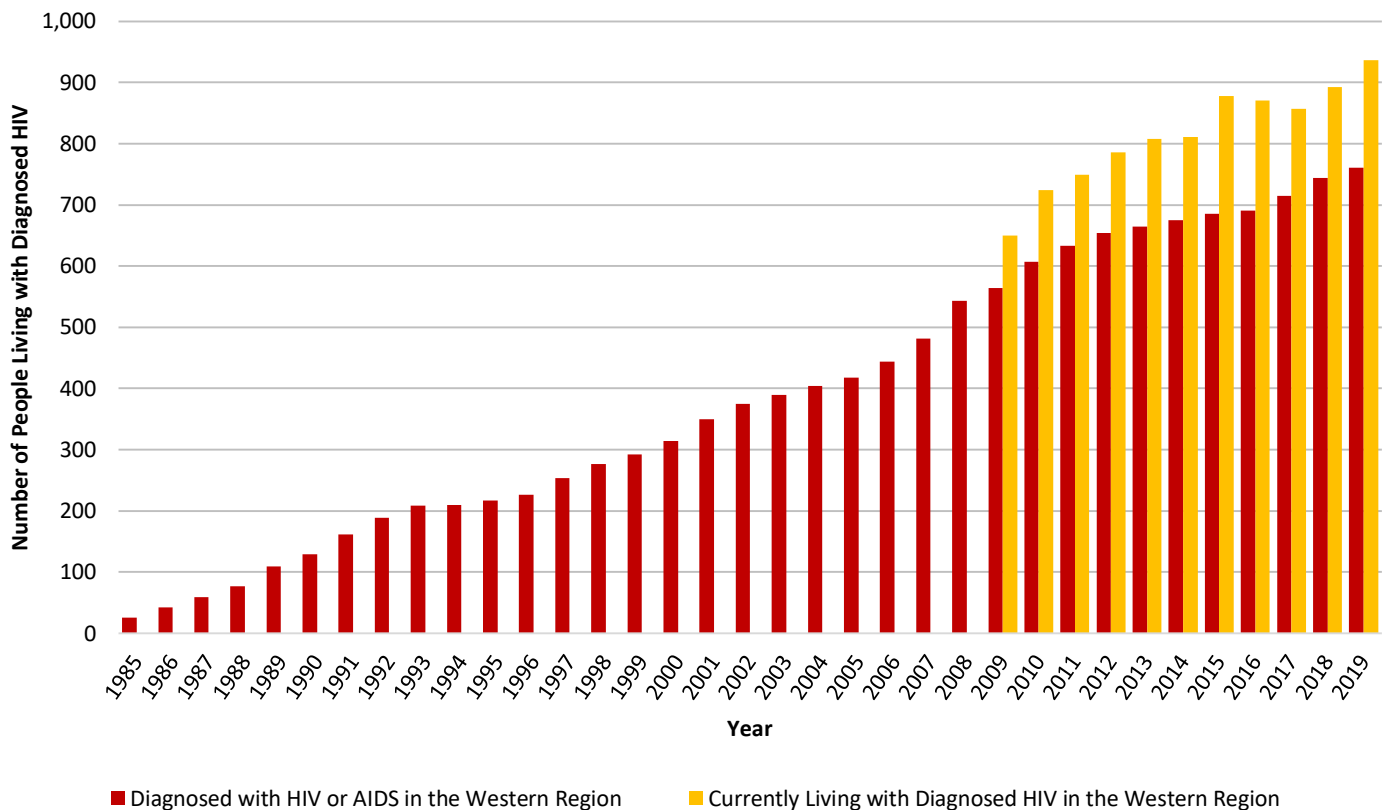


Year of Diagnosis or Death	Reported HIV Diagnoses	Reported AIDS Diagnoses	Reported AIDS Deaths	Year of Diagnosis or Death	Reported HIV Diagnoses	Reported AIDS Diagnoses	Reported AIDS Deaths
<1985	11	6	2	2002	45	23	14
1985	19	3	3	2003	31	27	13
1986	23	9	5	2004	31	13	9
1987	30	13	12	2005	34	21	13
1988	24	13	6	2006	36	16	9
1989	40	25	9	2007	52	26	11
1990	34	6	11	2008	72	26	6
1991	44	35	15	2009	28	19	6
1992	40	23	12	2010	46	23	4
1993	43	37	18	2011	34	16	6
1994	25	31	22	2012	35	14	8
1995	36	36	24	2013	28	24	14
1996	39	24	25	2014	24	6	11
1997	33	18	3	2015	24	4	12
1998	34	22	3	2016	22	12	11
1999	28	22	7	2017	31	10	3
2000	29	25	8	2018*	43	9	9
2001	40	27	5	2019*	21	8	4
Total					1,209	672	353

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

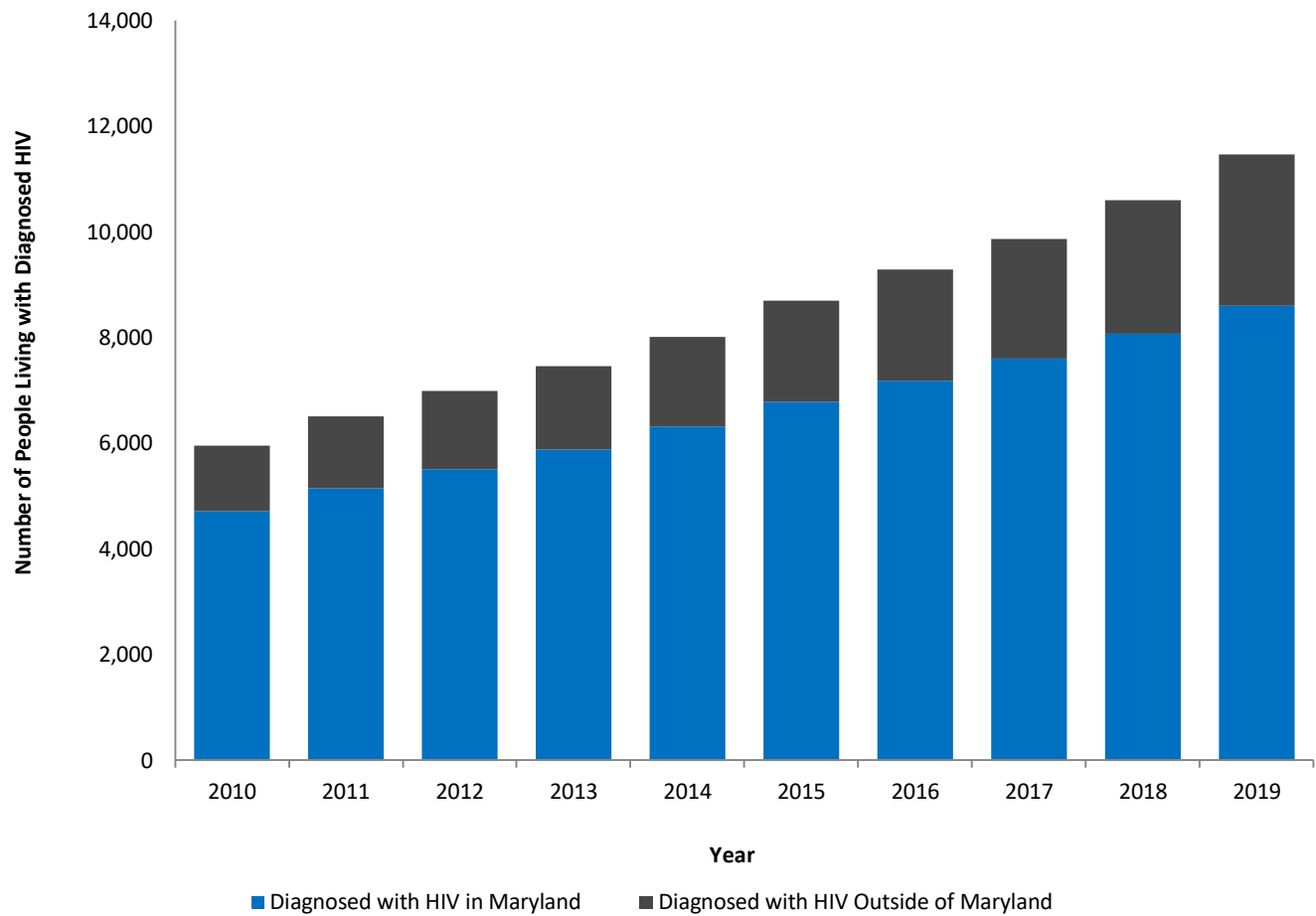


People Living with Diagnosed HIV			People Living with Diagnosed HIV		
Year	Diagnosed with HIV or AIDS in Western Region	Current Residents	Year	Diagnosed with HIV or AIDS in Western Region	Current Residents
1985	25	--	2003	389	--
1986	42	--	2004	404	--
1987	59	--	2005	418	--
1988	77	--	2006	444	--
1989	109	--	2007	481	--
1990	129	--	2008	543	--
1991	161	--	2009	564	650
1992	189	--	2010	607	724
1993	209	--	2011	633	749
1994	210	--	2012	654	786
1995	217	--	2013	665	808
1996	226	--	2014	675	811
1997	254	--	2015	685	878
1998	276	--	2016	691	871
1999	292	--	2017	715	857
2000	314	--	2018	744	892
2001	350	--	2019	761	936
2002	375	--			

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

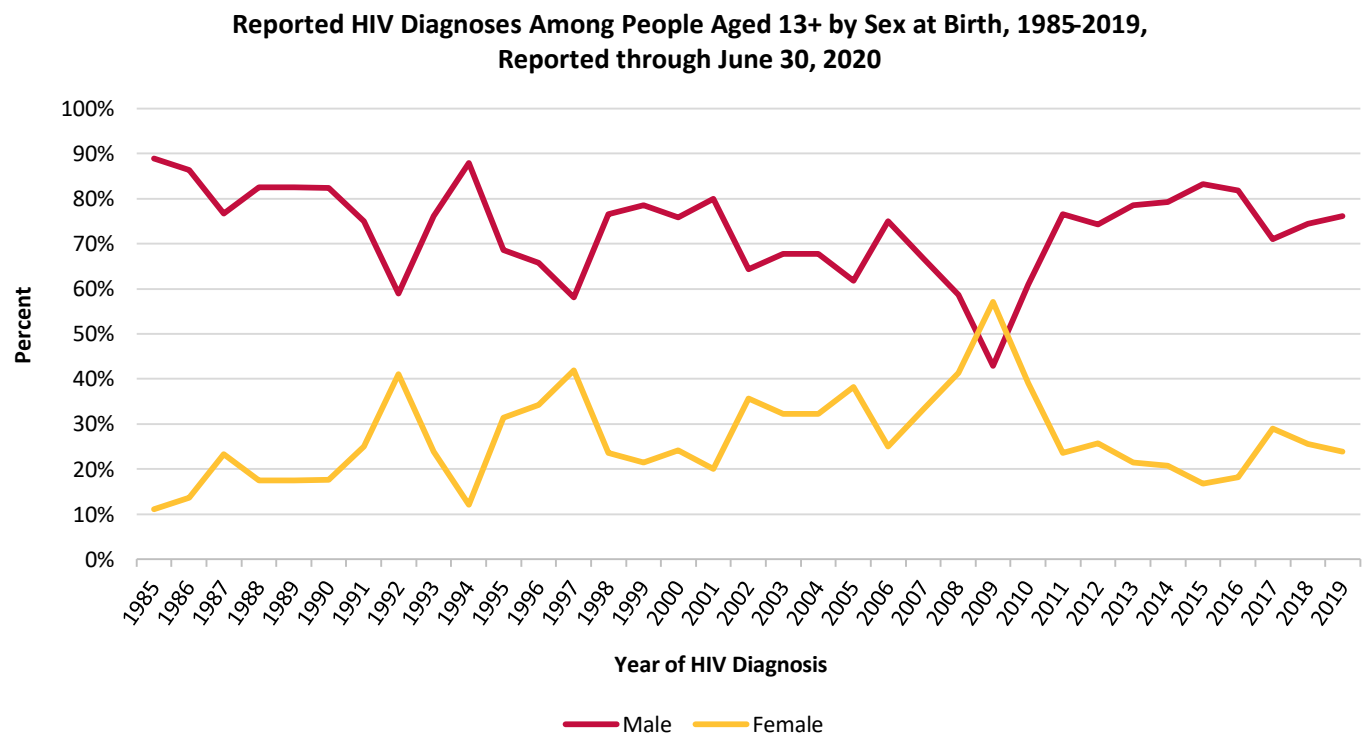
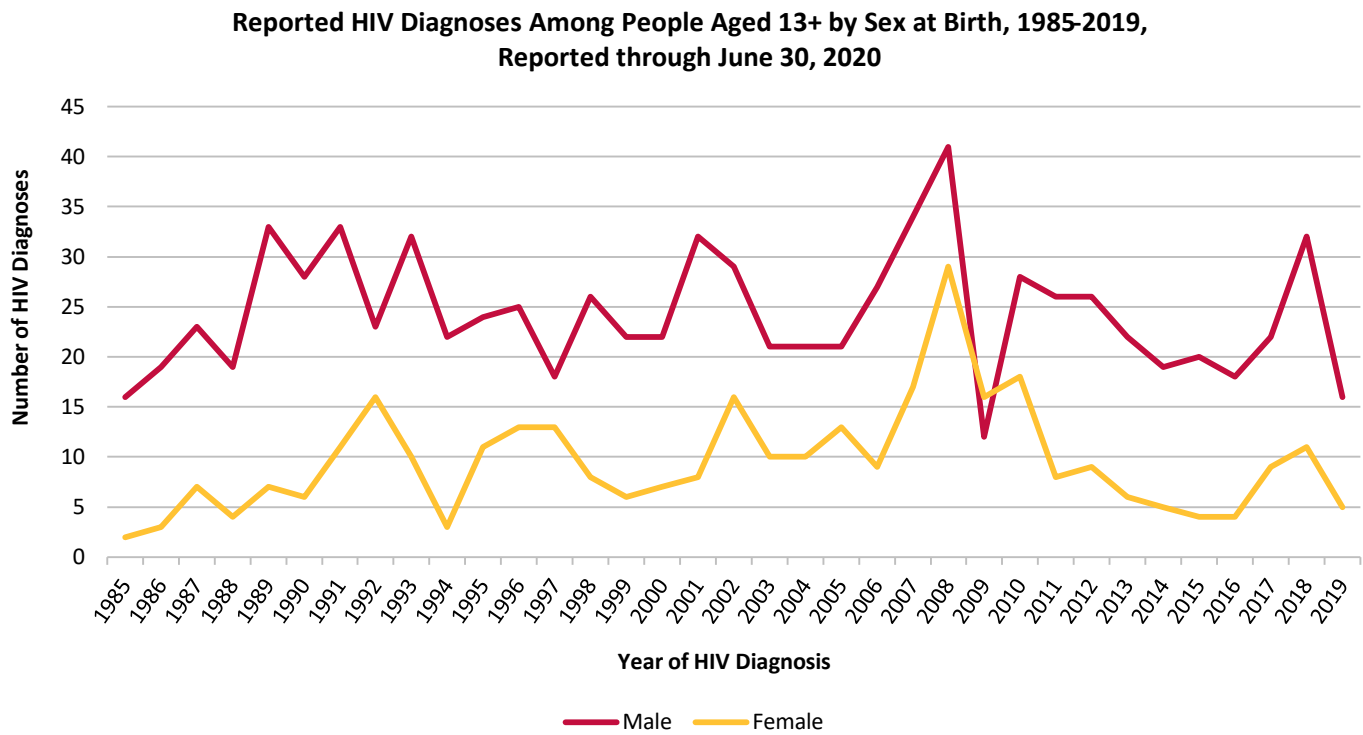
People Living with Diagnosed HIV in Maryland and Not Reported to have Died as of December 31st of Each Year from 2010 through 2019, as Reported through June 30, 2020



Year	Population Age 13+	Western 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	407,619	4,720	1,238	5,958	1,461.7
2011	411,789	5,146	1,368	6,514	1,581.9
2012	414,268	5,514	1,476	6,990	1,687.3
2013	415,992	5,887	1,572	7,459	1,793.1
2014	417,552	6,317	1,692	8,009	1,918.1
2015	419,065	6,789	1,915	8,704	2,077.0
2016	421,417	7,184	2,107	9,291	2,204.7
2017	424,620	7,599	2,265	9,864	2,323.0
2018	428,346	8,073	2,529	10,602	2,475.1
2019	431,997	8,601	2,869	11,470	2,655.1

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

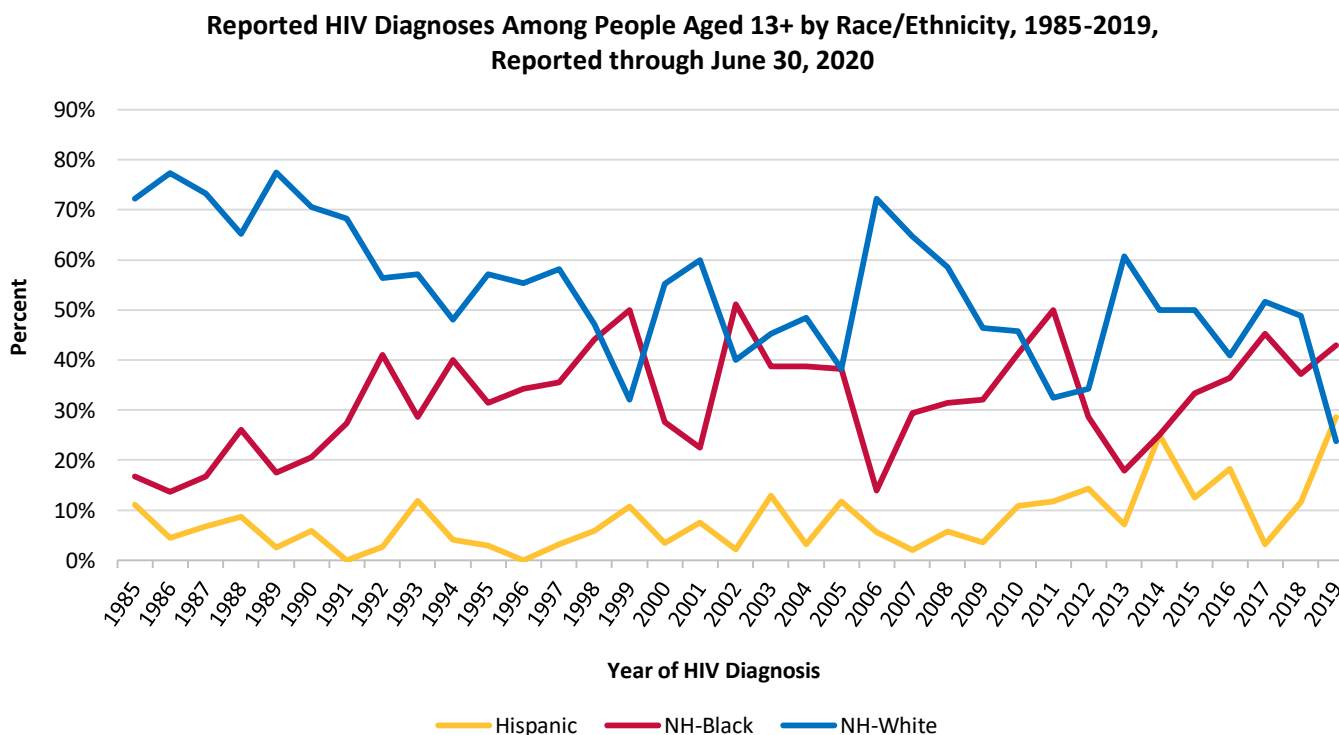
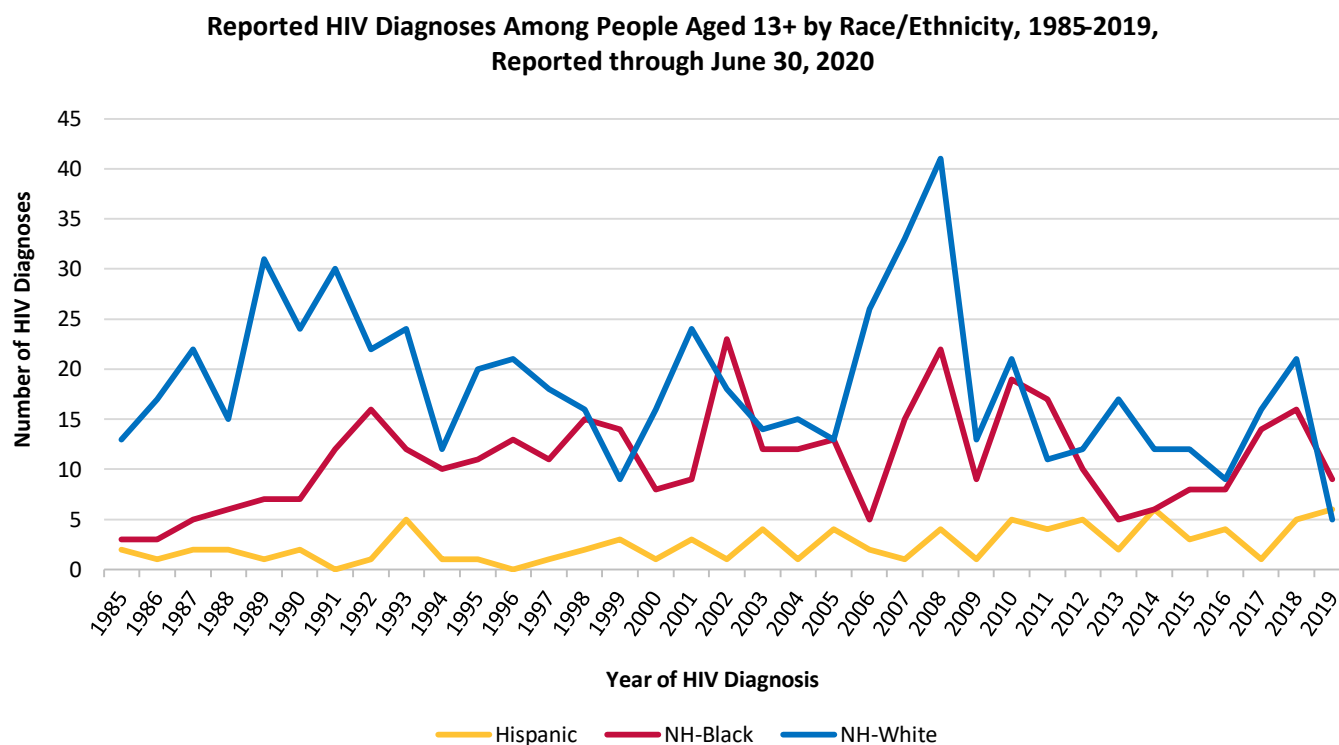
Number and Percent by Sex at Birth of People Diagnosed with HIV, Age 13+ at HIV Diagnosis, by Year of HIV Diagnosis from 1985 through 2019, as Reported through June 30, 2020



Reported HIV Diagnoses Among People Aged 13+					
Year of HIV Diagnosis	Number	Sex at Birth			
		Male		Female	
		Number	Percent	Number	Percent
<1985	11	11	100.0%	0	0.0%
1985	18	16	88.9%	2	11.1%
1986	22	19	86.4%	3	13.6%
1987	30	23	76.7%	7	23.3%
1988	23	19	82.6%	4	17.4%
1989	40	33	82.5%	7	17.5%
1990	34	28	82.4%	6	17.6%
1991	44	33	75.0%	11	25.0%
1992	39	23	59.0%	16	41.0%
1993	42	32	76.2%	10	23.8%
1994	25	22	88.0%	3	12.0%
1995	35	24	68.6%	11	31.4%
1996	38	25	65.8%	13	34.2%
1997	31	18	58.1%	13	41.9%
1998	34	26	76.5%	8	23.5%
1999	28	22	78.6%	6	21.4%
2000	29	22	75.9%	7	24.1%
2001	40	32	80.0%	8	20.0%
2002	45	29	64.4%	16	35.6%
2003	31	21	67.7%	10	32.3%
2004	31	21	67.7%	10	32.3%
2005	34	21	61.8%	13	38.2%
2006	36	27	75.0%	9	25.0%
2007	51	34	66.7%	17	33.3%
2008	70	41	58.6%	29	41.4%
2009	28	12	42.9%	16	57.1%
2010	46	28	60.9%	18	39.1%
2011	34	26	76.5%	8	23.5%
2012	35	26	74.3%	9	25.7%
2013	28	22	78.6%	6	21.4%
2014	24	19	79.2%	5	20.8%
2015	24	20	83.3%	4	16.7%
2016	22	18	81.8%	4	18.2%
2017	31	22	71.0%	9	29.0%
2018	43	32	74.4%	11	25.6%
2019	21	16	76.2%	5	23.8%
Total	1,197	863	72.1%	334	27.9%

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

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

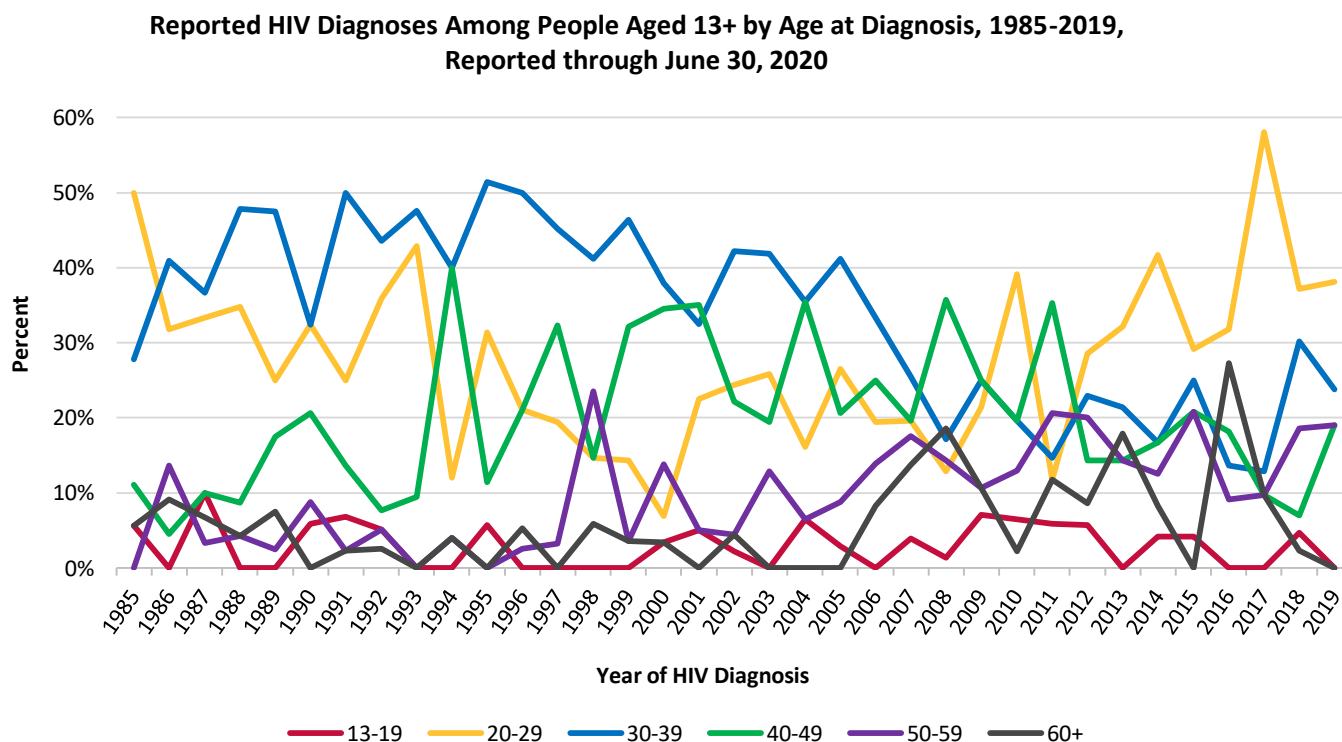
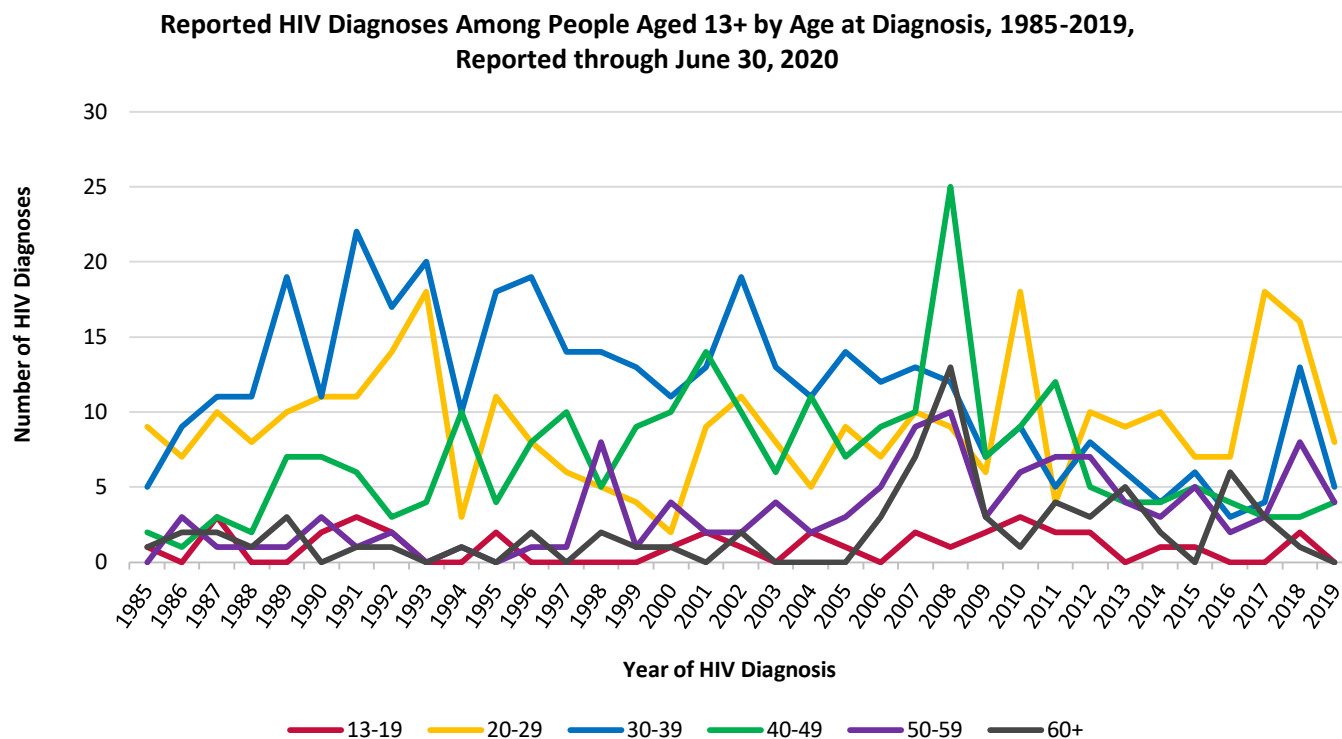


Non-Hispanic Other race not shown

Reported HIV Diagnoses Among People Aged 13+									
Year of HIV Diagnosis	No.	Race/Ethnicity							
		Hispanic		Non-Hispanic Black, only		Non-Hispanic White, only		Non-Hispanic Other Race	
		No.	%	No.	%	No.	%	No.	%
<1985	11	0	0.0%	4	36.4%	6	54.5%	1	9.1%
1985	18	2	11.1%	3	16.7%	13	72.2%	0	0.0%
1986	22	1	4.5%	3	13.6%	17	77.3%	1	4.5%
1987	30	2	6.7%	5	16.7%	22	73.3%	1	3.3%
1988	23	2	8.7%	6	26.1%	15	65.2%	0	0.0%
1989	40	1	2.5%	7	17.5%	31	77.5%	1	2.5%
1990	34	2	5.9%	7	20.6%	24	70.6%	1	2.9%
1991	44	0	0.0%	12	27.3%	30	68.2%	2	4.5%
1992	39	1	2.6%	16	41.0%	22	56.4%	0	0.0%
1993	42	5	11.9%	12	28.6%	24	57.1%	1	2.4%
1994	25	1	4.0%	10	40.0%	12	48.0%	2	8.0%
1995	35	1	2.9%	11	31.4%	20	57.1%	3	8.6%
1996	38	0	0.0%	13	34.2%	21	55.3%	4	10.5%
1997	31	1	3.2%	11	35.5%	18	58.1%	1	3.2%
1998	34	2	5.9%	15	44.1%	16	47.1%	1	2.9%
1999	28	3	10.7%	14	50.0%	9	32.1%	2	7.1%
2000	29	1	3.4%	8	27.6%	16	55.2%	4	13.8%
2001	40	3	7.5%	9	22.5%	24	60.0%	4	10.0%
2002	45	1	2.2%	23	51.1%	18	40.0%	3	6.7%
2003	31	4	12.9%	12	38.7%	14	45.2%	1	3.2%
2004	31	1	3.2%	12	38.7%	15	48.4%	3	9.7%
2005	34	4	11.8%	13	38.2%	13	38.2%	4	11.8%
2006	36	2	5.6%	5	13.9%	26	72.2%	3	8.3%
2007	51	1	2.0%	15	29.4%	33	64.7%	2	3.9%
2008	70	4	5.7%	22	31.4%	41	58.6%	3	4.3%
2009	28	1	3.6%	9	32.1%	13	46.4%	5	17.9%
2010	46	5	10.9%	19	41.3%	21	45.7%	1	2.2%
2011	34	4	11.8%	17	50.0%	11	32.4%	2	5.9%
2012	35	5	14.3%	10	28.6%	12	34.3%	8	22.9%
2013	28	2	7.1%	5	17.9%	17	60.7%	4	14.3%
2014	24	6	25.0%	6	25.0%	12	50.0%	0	0.0%
2015	24	3	12.5%	8	33.3%	12	50.0%	1	4.2%
2016	22	4	18.2%	8	36.4%	9	40.9%	1	4.5%
2017	31	1	3.2%	14	45.2%	16	51.6%	0	0.0%
2018	43	5	11.6%	16	37.2%	21	48.8%	1	2.3%
2019	21	6	28.6%	9	42.9%	5	23.8%	1	4.8%
Total	1,197	87	7.3%	389	32.5%	649	54.2%	72	6.0%

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

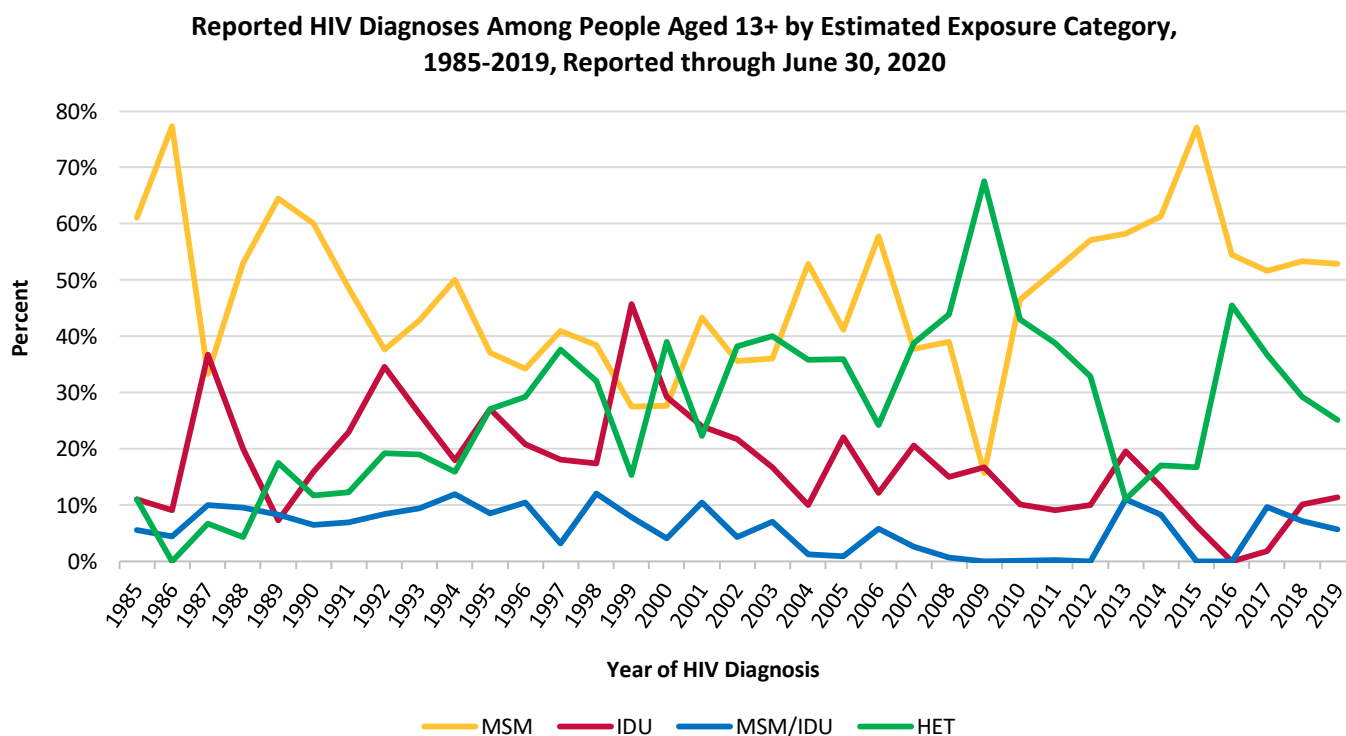
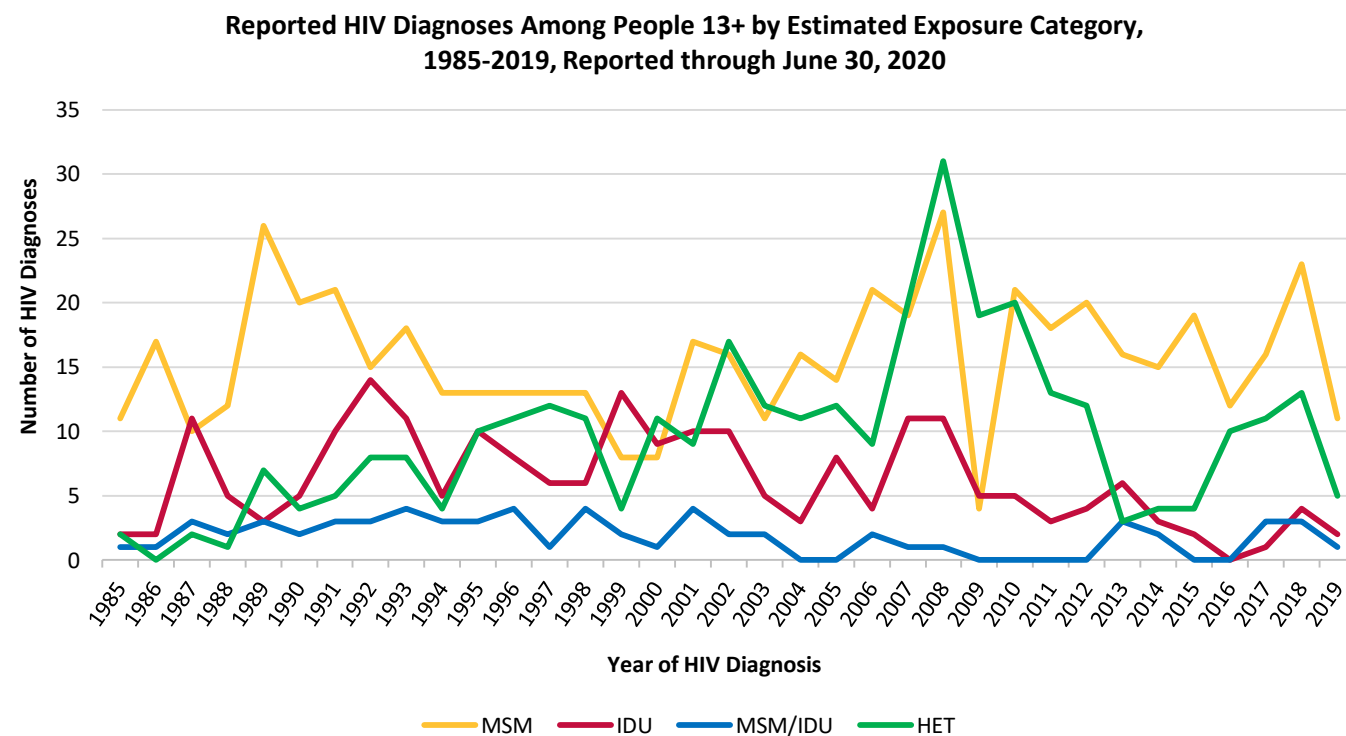
Number and Percent by Age at HIV Diagnosis of People Diagnosed with HIV, Age 13+ at HIV Diagnosis, by Year of HIV Diagnosis from 1985 through 2019, as Reported through June 30, 2020



Reported HIV Diagnoses Among People Aged 13+													
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	11	1	9.1%	4	36.4%	5	45.5%	1	9.1%	0	0.0%	0	0.0%
1985	18	1	5.6%	9	50.0%	5	27.8%	2	11.1%	0	0.0%	1	5.6%
1986	22	0	0.0%	7	31.8%	9	40.9%	1	4.5%	3	13.6%	2	9.1%
1987	30	3	10.0%	10	33.3%	11	36.7%	3	10.0%	1	3.3%	2	6.7%
1988	23	0	0.0%	8	34.8%	11	47.8%	2	8.7%	1	4.3%	1	4.3%
1989	40	0	0.0%	10	25.0%	19	47.5%	7	17.5%	1	2.5%	3	7.5%
1990	34	2	5.9%	11	32.4%	11	32.4%	7	20.6%	3	8.8%	0	0.0%
1991	44	3	6.8%	11	25.0%	22	50.0%	6	13.6%	1	2.3%	1	2.3%
1992	39	2	5.1%	14	35.9%	17	43.6%	3	7.7%	2	5.1%	1	2.6%
1993	42	0	0.0%	18	42.9%	20	47.6%	4	9.5%	0	0.0%	0	0.0%
1994	25	0	0.0%	3	12.0%	10	40.0%	10	40.0%	1	4.0%	1	4.0%
1995	35	2	5.7%	11	31.4%	18	51.4%	4	11.4%	0	0.0%	0	0.0%
1996	38	0	0.0%	8	21.1%	19	50.0%	8	21.1%	1	2.6%	2	5.3%
1997	31	0	0.0%	6	19.4%	14	45.2%	10	32.3%	1	3.2%	0	0.0%
1998	34	0	0.0%	5	14.7%	14	41.2%	5	14.7%	8	23.5%	2	5.9%
1999	28	0	0.0%	4	14.3%	13	46.4%	9	32.1%	1	3.6%	1	3.6%
2000	29	1	3.4%	2	6.9%	11	37.9%	10	34.5%	4	13.8%	1	3.4%
2001	40	2	5.0%	9	22.5%	13	32.5%	14	35.0%	2	5.0%	0	0.0%
2002	45	1	2.2%	11	24.4%	19	42.2%	10	22.2%	2	4.4%	2	4.4%
2003	31	0	0.0%	8	25.8%	13	41.9%	6	19.4%	4	12.9%	0	0.0%
2004	31	2	6.5%	5	16.1%	11	35.5%	11	35.5%	2	6.5%	0	0.0%
2005	34	1	2.9%	9	26.5%	14	41.2%	7	20.6%	3	8.8%	0	0.0%
2006	36	0	0.0%	7	19.4%	12	33.3%	9	25.0%	5	13.9%	3	8.3%
2007	51	2	3.9%	10	19.6%	13	25.5%	10	19.6%	9	17.6%	7	13.7%
2008	70	1	1.4%	9	12.9%	12	17.1%	25	35.7%	10	14.3%	13	18.6%
2009	28	2	7.1%	6	21.4%	7	25.0%	7	25.0%	3	10.7%	3	10.7%
2010	46	3	6.5%	18	39.1%	9	19.6%	9	19.6%	6	13.0%	1	2.2%
2011	34	2	5.9%	4	11.8%	5	14.7%	12	35.3%	7	20.6%	4	11.8%
2012	35	2	5.7%	10	28.6%	8	22.9%	5	14.3%	7	20.0%	3	8.6%
2013	28	0	0.0%	9	32.1%	6	21.4%	4	14.3%	4	14.3%	5	17.9%
2014	24	1	4.2%	10	41.7%	4	16.7%	4	16.7%	3	12.5%	2	8.3%
2015	24	1	4.2%	7	29.2%	6	25.0%	5	20.8%	5	20.8%	0	0.0%
2016	22	0	0.0%	7	31.8%	3	13.6%	4	18.2%	2	9.1%	6	27.3%
2017	31	0	0.0%	18	58.1%	4	12.9%	3	9.7%	3	9.7%	3	9.7%
2018	43	2	4.7%	16	37.2%	13	30.2%	3	7.0%	8	18.6%	1	2.3%
2019	21	0	0.0%	8	38.1%	5	23.8%	4	19.0%	4	19.0%	0	0.0%
Total	1,197	37	3.1%	322	26.9%	406	33.9%	244	20.4%	117	9.8%	71	5.9

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

Number and Percent by Estimated Exposure Category[§] 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	11	9.1%	8	73.6%	1	9.1%	1	10.0%	1	7.3%	0	0.0%
1985	18	0.0%	11	61.1%	2	11.1%	1	5.6%	2	11.1%	2	11.1%
1986	22	0.0%	17	77.3%	2	9.1%	1	4.5%	0	0.0%	2	9.1%
1987	30	0.0%	10	33.3%	11	36.7%	3	10.0%	2	6.7%	4	13.3%
1988	23	4.3%	12	53.0%	5	20.0%	2	9.6%	1	4.3%	3	13.0%
1989	40	10.0%	26	64.5%	3	7.3%	3	8.3%	7	17.5%	1	2.5%
1990	34	5.9%	20	60.0%	5	15.9%	2	6.5%	4	11.8%	2	5.9%
1991	44	4.5%	21	48.6%	10	23.0%	3	7.0%	5	12.3%	4	9.1%
1992	39	7.7%	15	37.7%	14	34.6%	3	8.5%	8	19.2%	0	0.0%
1993	42	0.0%	18	42.9%	11	26.2%	4	9.5%	8	19.0%	1	2.4%
1994	25	4.0%	13	50.0%	5	18.0%	3	12.0%	4	16.0%	1	4.0%
1995	35	2.9%	13	37.1%	10	27.1%	3	8.6%	10	27.1%	0	0.0%
1996	38	7.9%	13	34.2%	8	20.8%	4	10.5%	11	29.2%	2	5.3%
1997	31	6.5%	13	41.0%	6	18.1%	1	3.2%	12	37.7%	0	0.0%
1998	34	5.9%	13	38.5%	6	17.4%	4	12.1%	11	32.1%	0	0.0%
1999	28	14.3%	8	27.5%	13	45.7%	2	7.9%	4	15.4%	1	3.6%
2000	29	10.3%	8	27.6%	9	29.3%	1	4.1%	11	39.0%	0	0.0%
2001	40	12.5%	17	43.3%	10	24.0%	4	10.5%	9	22.3%	0	0.0%
2002	45	13.3%	16	35.6%	10	21.8%	2	4.4%	17	38.2%	0	0.0%
2003	31	6.5%	11	36.1%	5	16.8%	2	7.1%	12	40.0%	0	0.0%
2004	31	16.1%	16	52.9%	3	10.0%	0	1.3%	11	35.8%	0	0.0%
2005	34	26.5%	14	41.2%	8	22.1%	0	0.9%	12	35.9%	0	0.0%
2006	36	16.7%	21	57.8%	4	12.2%	2	5.8%	9	24.2%	0	0.0%
2007	51	45.1%	19	37.8%	11	20.6%	1	2.7%	20	38.8%	0	0.0%
2008	70	51.4%	27	39.0%	11	15.0%	1	0.7%	31	43.9%	1	1.4%
2009	28	46.4%	4	15.7%	5	16.8%	0	0.0%	19	67.5%	0	0.0%
2010	46	39.1%	21	46.5%	5	10.2%	0	0.2%	20	43.0%	0	0.0%
2011	34	26.5%	18	51.8%	3	9.1%	0	0.3%	13	38.8%	0	0.0%
2012	35	14.3%	20	57.1%	4	10.0%	0	0.0%	12	32.9%	0	0.0%
2013	28	17.9%	16	58.2%	6	19.6%	3	11.1%	3	11.1%	0	0.0%
2014	24	12.5%	15	61.3%	3	13.3%	2	8.3%	4	17.1%	0	0.0%
2015	24	8.3%	19	77.1%	2	6.3%	0	0.0%	4	16.7%	0	0.0%
2016	22	0.0%	12	54.5%	0	0.0%	0	0.0%	10	45.5%	0	0.0%
2017	31	6.5%	16	51.6%	1	1.9%	3	9.7%	11	36.8%	0	0.0%
2018	43	14.0%	23	53.3%	4	10.2%	3	7.2%	13	29.3%	0	0.0%
2019	21	23.8%	11	52.9%	2	11.4%	1	5.7%	5	25.2%	1	4.8%
Total	1,197	15.8%	555	46.4%	218	18.2%	65	5.4%	336	28.1%	25	2.1%

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

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

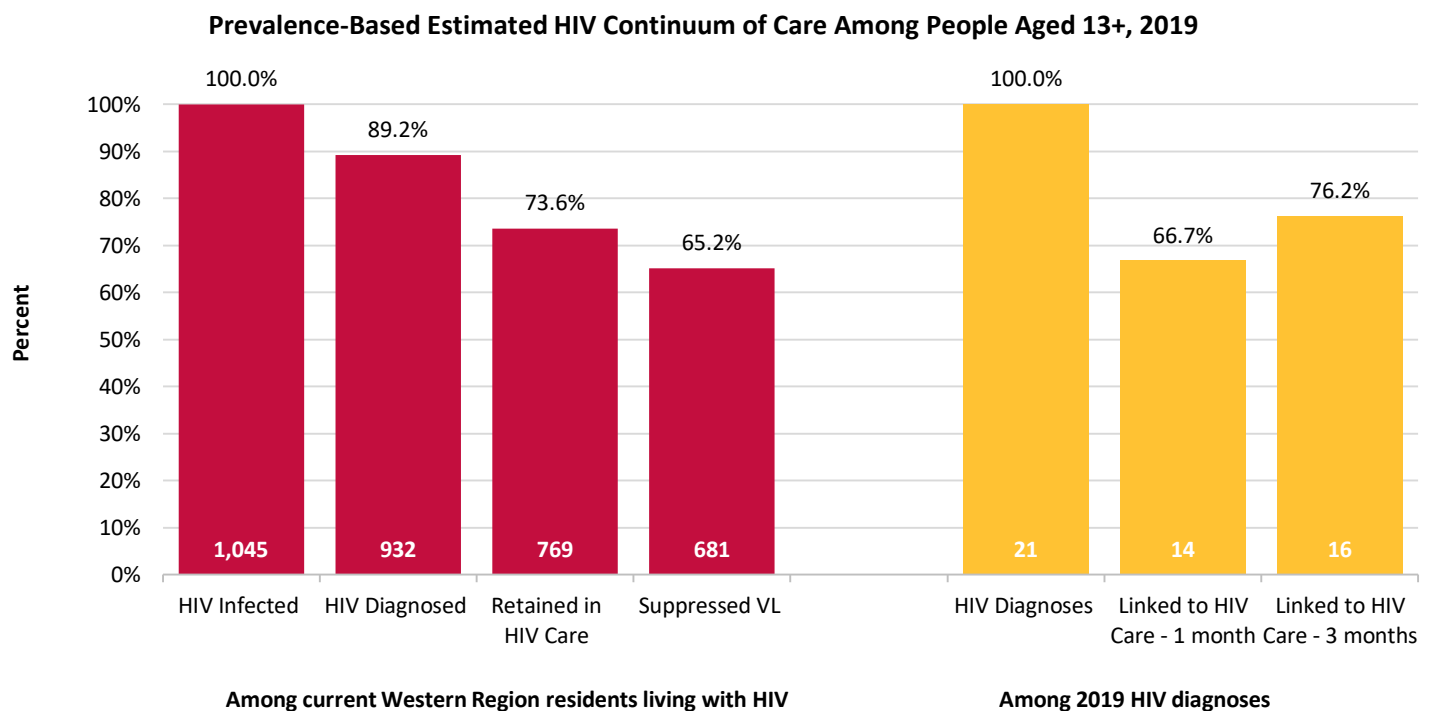
Note. Discrepancies in the table between total HIV diagnoses and the sums by exposure category are due to less than 1 percent of people missing transmission category after multiple imputation.

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 Western Region Residents Aged 13+, Reported through June 30, 2020

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

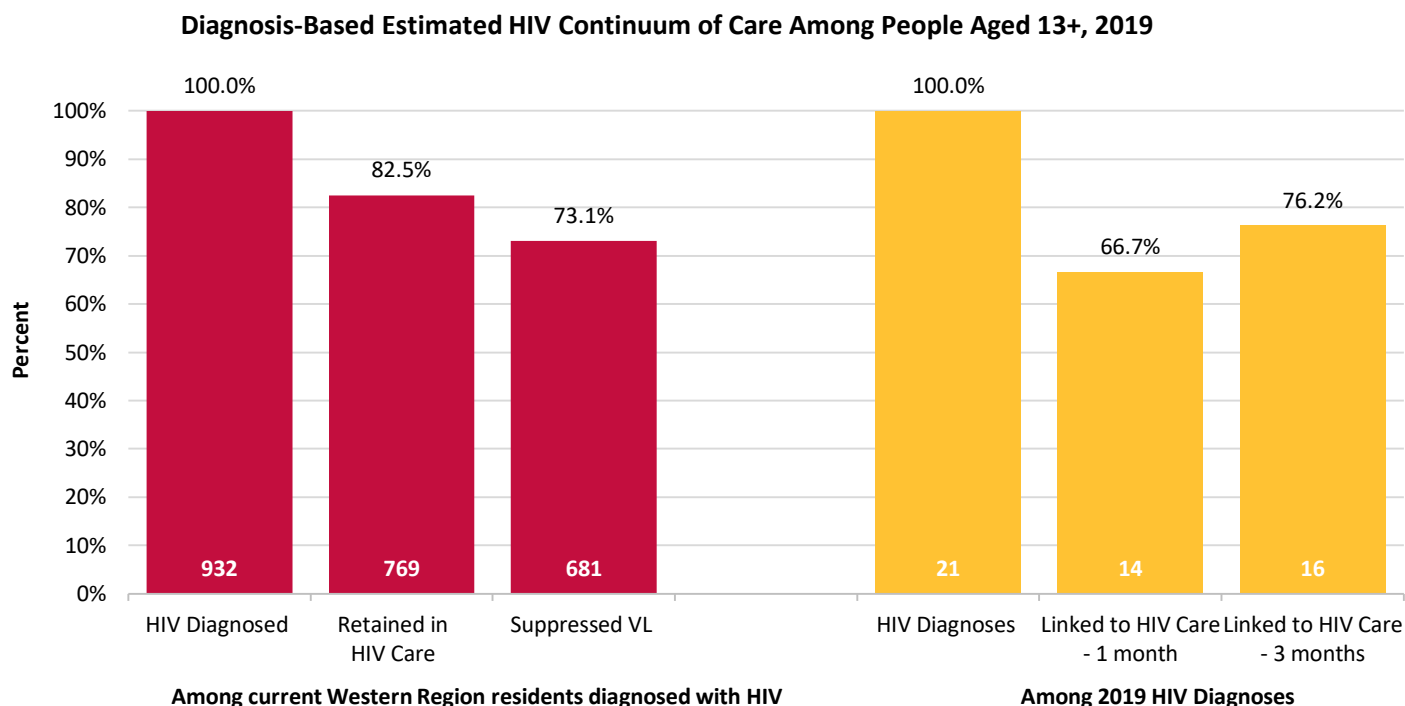


Continuum of Care Stage	People Aged 13+ Living with HIV		Continuum of Care Stage	Reported 2019 HIV Diagnoses	
	Number	Percent		Number	Percent
HIV Infected	1,045	100.0%	New HIV Diagnoses	21	100.0%
HIV Diagnosed	932	89.2%	Linked to HIV Care – 1 Month	14	66.7%
Retained in HIV Care	769	73.6%	Linked to HIV Care – 3 Months	16	76.2%
Suppressed VL	681	65.2%			

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 Western Region Residents Aged 13+, Reported through June 30, 2020

The diagnosis-based Western Region Engagement in HIV Care Cascade (below) uses Maryland surveillance data for current Western Region residents to describe the number and percentage of persons living with diagnosed HIV in the Western 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	932	100.0%	New HIV Diagnoses	21	100.0%
Retained in HIV Care	769	82.5%	Linked to HIV Care – 1 Month	14	66.7%
Suppressed VL	681	73.1%	Linked to HIV Care – 3 Months	16	76.2%

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
Allegany	61,764	3	14.3%	4.9	3	37.5%	4.9
Frederick	217,096	13	61.9%	6.0	0	0.0%	0.0
Garrett	25,324	0	0.0%	0.0	0	0.0%	0.0
Washington	127,813	5	23.8%	3.9	5	62.5%	3.9
Total	431,997	21	100.0%	5.2	8	100.0%	4.2

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
Allegany	3	***	***	***	***	***
Frederick	13	53.8%	61.5%	0.0%	69.2%	326
Garrett	0	--	--	--	--	--
Washington	5	***	100.0%	***	100.0%	616
Total	21	66.7%	76.2%	9.5%	81.0%	377

*** 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	Ratio (1 in X)
Allegany	61,764	82	10.8%	132.8	753	112	12.0%	181.3	551
Frederick	217,096	368	48.4%	169.5	590	454	48.7%	209.1	478
Garrett	25,324	10	1.3%	39.5	2,532	17	1.8%	67.1	1,490
Washington	127,813	301	39.6%	235.5	425	349	37.4%	273.1	366
Total	431,997	761	100.0%	176.2	568	932	100.0%	215.7	464

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+
Allegany	112	104	92.9%	618	9.6%	6.7%	19.2%	64.4%
Frederick	454	356	78.4%	628	3.7%	9.0%	16.9%	70.5%
Garrett	17	14	82.4%	670	0.0%	0.0%	14.3%	85.7%
Washington	349	274	78.5%	644	7.3%	8.8%	16.4%	67.5%
Total	932	748	80.3%	635	5.7%	8.4%	17.0%	68.9%

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		
Allegany	112	103	92.0%	91.3%		3,610
Frederick	454	358	78.9%	92.7%		1,657
Garrett	17	13	76.5%	100.0%		--
Washington	349	276	79.1%	87.7%		8,535
Total	932	750	80.5%	90.8%		4,030

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)	28,449	0	0.0%	0.0	--	--	--	--	--
5-12 (Pediatric)	49,580	0	0.0%	0.0	--	--	--	--	--
13-19	45,392	0	0.0%	0.0	--	--	--	--	--
20-29	63,985	8	38.1%	12.5	75.0%	75.0%	***	75.0%	337
30-39	66,329	5	23.8%	7.5	***	***	0.0%	100.0%	616
40-49	64,774	4	19.0%	6.2	***	***	***	***	***
50-59	72,714	4	19.0%	5.5	***	***	***	***	***
60+	118,803	0	0.0%	0.0	--	--	--	--	--
Total	510,026	21	100.0%	4.1	66.7%	76.2%	9.5%	81.0%	377

*** 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)	28,449	0	0.0%	0.0	--
5-12 (Pediatric)	49,580	4	0.4%	8.1	12,395
13-19	45,392	6	0.6%	13.2	7,565
20-29	63,985	86	9.2%	134.4	744
30-39	66,329	146	15.6%	220.1	454
40-49	64,774	203	21.7%	313.4	319
50-59	72,714	305	32.6%	419.5	238
60+	118,803	186	19.9%	156.6	639
Total	510,026	936	100.0%	183.5	545

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	6	6	100.0%	526	0.0%	0.0%	16.7%	83.3%
20-29	86	66	76.7%	782	3.0%	7.6%	9.1%	80.3%
30-39	146	118	80.8%	673	8.5%	2.5%	16.1%	72.9%
40-49	203	156	76.8%	644	7.1%	10.3%	12.2%	70.5%
50-59	305	250	82.0%	616	6.4%	8.4%	19.6%	65.6%
60+	186	152	81.7%	599	2.6%	11.8%	21.7%	63.8%
Total	932	748	80.3%	635	5.7%	8.4%	17.0%	68.9%

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	6	6	100.0%	100.0%	--
20-29	86	65	75.6%	92.3%	1,340
30-39	146	123	84.2%	87.8%	27,700
40-49	203	159	78.3%	86.8%	1,560
50-59	305	248	81.3%	91.5%	4,880
60+	186	149	80.1%	95.3%	1,060
Total	932	750	80.5%	90.8%	4,030

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	215,935	16	76.2%	7.4	***	***	***	75.0%	345
Female	216,062	5	23.8%	2.3	***	***	***	100.0%	470
Gender									
Male	215,935	15	71.4%	6.9	66.7%	80.0%	***	80.0%	345
Female	216,062	5	23.8%	2.3	***	***	***	***	***
Transfeminine	--	1	4.8%	0.0	***	***	***	***	***
Transmasculine	--	0	0.0%	0.0	--	--	--	--	--
Another Gender Identity	--	0	0.0%	0.0	--	--	--	--	--
Race/Ethnicity									
Hispanic	28,056	6	28.6%	21.4	***	***	0.0%	***	***
Non-Hispanic	403,941	15	71.4%	3.7	73.3%	80.0%	***	86.7%	451
American Indian/Alaska Native, only	869	0	0.0%	0.0	--	--	--	--	--
Asian, only	13,529	1	4.8%	7.4	***	***	***	***	***
Black, only	41,653	9	42.9%	21.6	66.7%	77.8%	***	77.8%	451
Native Hawaiian/Other Pacific Islander, only	221	0	0.0%	0.0	--	--	--	--	--
White, only	339,723	5	23.8%	1.5	***	***	***	100.0%	636
Multiracial/Other	7,946	0	0.0%	0.0	--	--	--	--	--
Total	431,997	21	100.0%	4.9	66.7%	76.2%	9.5%	81.0%	377
Country of Birth									
United States	387,053	16	76.2%	4.1	68.8%	81.3%	***	93.8%	395
Foreign-Born	34,281	4	19.0%	11.7	***	***	***	***	***
Africa	--	1	4.8%	--	***	***	***	***	***
Asia	--	0	0.0%	--	--	--	--	--	--
Caribbean	--	0	0.0%	--	--	--	--	--	--
Central America	--	1	4.8%	--	***	***	***	***	***
Other	--	2	9.5%	--	***	***	***	***	***
Unknown	--	1	4.8%	--	***	***	***	***	***
Total	421,334	21	100.0%	5.0	66.7%	66.7%	9.5%	81.0%	377

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	14,497	5	31.3%	34.5	13,559	1	20.0%	7.4
Non-Hispanic	201,438	11	68.8%	5.5	202,503	4	80.0%	5.5
American Indian/Alaska Native, only	424	0	0.0%	0.0	446	0	0.0%	0.0
Asian, only	6,304	0	0.0%	0.0	7,225	1	20.0%	13.8
Black, only	24,815	8	50.0%	32.2	16,838	1	20.0%	5.9
Native Hawaiian/Other Pacific Islander, only	116	0	0.0%	0.0	104	0	0.0%	0.0
White, only	165,866	3	18.8%	1.8	173,857	2	40.0%	1.2
Multiracial/Other	3,913	0	0.0%	0.0	4,034	0	0.0%	0.0
Total	215,935	16	100.0%	7.4	216,062	5	100.0%	7.4

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	215,935	647	69.4%	299.6	334
Female	216,062	285	30.6%	131.9	758
Gender					
Male	215,935	640	68.7%	296.4	337
Female	216,062	284	30.5%	131.4	761
Transfeminine	--	7	0.8%	--	--
Transmasculine	--	1	0.1%	--	--
Another Gender Identity	--	0	0.0%	--	--
Race/Ethnicity					
Hispanic	28,056	92	9.9%	327.9	305
Non-Hispanic	403,941	840	90.1%	208.0	481
American Indian/Alaska Native, only	869	0	0.0%	0.0	--
Asian, only	13,529	8	0.9%	59.1	1,691
Black, only	41,653	345	37.0%	828.3	121
Native Hawaiian/Other Pacific Islander, only	221	0	0.0%	0.0	--
White, only	339,723	416	44.6%	122.5	817
Multiracial/Other	7,946	71	7.6%	893.5	112
Total	431,997	932	100.0%	215.7	464
Country of Birth					
United States	387,053	777	83.4%	200.7	498
Foreign-Born	34,281	111	11.9%	323.8	309
Africa	--	64	6.9%	--	--
Asia	--	7	0.8%	--	--
Caribbean	--	5	0.5%	--	--
Central America	--	19	2.0%	--	--
Other	--	16	1.7%	--	--
Unknown	--	44	4.7%	--	--
Total	421,334	932	100.0%	221.2	452

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	14,497	69	10.7%	476.0	13,559	23	8.1%	169.6
Non-Hispanic	201,438	578	89.3%	286.9	202,503	262	91.9%	129.4
American Indian/Alaska Native, only	424	0	0.0%	0.0	446	0	0.0%	0.0
Asian, only	6,304	6	0.9%	95.2	7,225	2	0.7%	27.7
Black, only	24,815	197	30.4%	793.9	16,838	148	51.9%	879
Native Hawaiian/Other Pacific Islander, only	116	0	0.0%	0.0	104	0	0.0%	0.0
White, only	165,866	332	51.3%	200.2	173,857	84	29.5%	48.3
Multiracial/Other	3,913	43	6.6%	1,099.0	4,034	28	9.8%	694.1
Total	215,935	647	100.0%	299.6	216,062	285	100.0%	131.9

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.	No. with Test	% with Test	Median Count	<200	200-349	350-499	500+
Sex at Birth								
Male	647	515	79.6%	629	5.6%	8.3%	18.4%	67.6%
Female	285	233	81.8%	667	6.0%	8.6%	13.7%	71.7%
Gender								
Male	640	510	79.7%	628	5.7%	8.4%	18.4%	67.5%
Female	284	232	81.7%	667	6.0%	8.6%	13.8%	71.6%
Transfeminine	7	***	***	***	***	***	***	***
Transmasculine	1	***	***	***	***	***	***	***
Another Gender Identity	0	--	--	--	--	--	--	--
Race/Ethnicity								
Hispanic	92	70	76.1%	589	5.7%	8.6%	22.9%	62.9%
Non-Hispanic	840	678	80.7%	639	5.8%	8.4%	16.4%	69.5%
American Indian/Alaska Native, only	0	--	--	--	--	--	--	--
Asian, only	8	6	75.0%	831	0.0%	16.7%	0.0%	83.3%
Black, only	345	282	81.7%	604	5.3%	6.7%	23.0%	64.9%
Native Hawaiian/Other Pacific Islander, only	0	--	--	--	--	--	--	--
White, only	416	324	77.9%	694	5.6%	7.7%	13.0%	73.8%
Multiracial/Other	71	66	93.0%	608	9.1%	18.2%	6.1%	66.7%
Country of Birth								
United States	777	636	81.9%	639	6.0%	8.5%	17.1%	68.4%
Foreign-Born	111	86	77.5%	581	4.7%	9.3%	18.6%	67.4%
Africa	64	55	85.9%	544	5.5%	7.3%	21.8%	65.5%
Asia	7	***	***	***	***	***	***	***
Caribbean	5	***	***	***	***	***	***	***
Central America	19	12	63.2%	627	0.0%	0.0%	16.7%	83.3%
Other	16	10	62.5%	596	0.0%	30.0%	10.0%	60.0%
Unknown	44	26	59.1%	753	3.8%	3.8%	7.7%	84.6%
Total	932	748	80.3%	635	5.7%	8.4%	17.0%	68.9%

*** 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	647	515	79.6%	91.7%	3,550
Female	285	235	82.5%	88.9%	5,925
Gender					
Male	640	509	79.5%	91.6%	3,550
Female	284	234	82.4%	88.9%	5,925
Transfeminine	7	***	***	***	***
Transmasculine	1	***	***	***	***
Another Gender Identity	0	--	--	--	--
Race/Ethnicity					
Hispanic	92	69	75.0%	89.9%	7,872
Non-Hispanic	840	681	81.1%	90.9%	3,820
American Indian/Alaska Native, only	0	--	--	--	--
Asian, only	8	6	75.0%	83.3%	4,880
Black, only	345	281	81.4%	89.3%	1,760
Native Hawaiian/Other Pacific Islander, only	0	--	--	--	--
White, only	416	329	79.1%	93.3%	1,505
Multiracial/Other	71	65	91.5%	86.2%	41,400
Country of Birth					
United States	777	634	81.6%	90.5%	4,090
Foreign-Born	111	89	80.2%	91.0%	3,297
Africa	64	56	87.5%	92.9%	1,657
Asia	7	6	85.7%	66.7%	118,440
Caribbean	5	5	100.0%	80.0%	622
Central America	19	12	63.2%	100.0%	--
Other	16	10	62.5%	90.0%	7,872
Unknown	44	27	61.4%	96.3%	430
Total	932	750	80.5%	90.8%	4,030

*** 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	4,915	4,089	26,836	3,988	39,827
	Number	0	1	0	0	1
	Rate	0.0	24.5	0.0	0.0	2.5
	Ratio (1 in X)	--	4,089	--	--	39,827
13-19	Population	2,262	2,817	16,106	2,154	23,340
	Number	0	1	1	1	3
	Rate	0.0	35.5	6.2	46.4	12.9
	Ratio (1 in X)	--	2,817	16,106	2,154	7,780
20-29	Population	2,848	5,754	23,389	2,029	34,020
	Number	12	27	27	3	69
	Rate	421.3	469.2	115.4	147.9	202.8
	Ratio (1 in X)	237	213	866	676	493
30-39	Population	3,596	5,370	23,860	1,816	34,642
	Number	13	36	39	5	93
	Rate	361.5	670.4	163.5	275.3	268.5
	Ratio (1 in X)	277	149	612	363	372
40-49	Population	2,899	4,778	23,699	1,836	33,212
	Number	23	33	63	12	131
	Rate	793.4	690.7	265.8	653.6	394.4
	Ratio (1 in X)	126	145	376	153	254
50-59	Population	1,707	3,512	29,715	1,333	36,267
	Number	15	70	110	15	210
	Rate	878.7	1,993.2	370.2	1,125.3	579.0
	Ratio (1 in X)	114	50	270	89	173
60+	Population	1,185	2,584	49,097	1,588	54,454
	Number	6	30	92	13	141
	Rate	506.3	1,161.0	187.4	818.6	258.9
	Ratio (1 in X)	198	86	534	122	386
Total Males by Race/Ethnicity	Population	19,412	28,904	192,702	14,744	255,762
	Number	69	198	332	49	648
	Rate	355.5	685.0	172.3	332.3	253.4
	Ratio (1 in X)	281	146	580	301	395

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				Total Females by Age Group
		Hispanic	Non-Hispanic Black, only	Non-Hispanic White, only	Non-Hispanic Other Race	
<13 (Pediatric)	Population	4,807	4,135	25,490	3,769	38,202
	Number	0	3	0	0	3
	Rate	0.0	72.5	0.0	0.0	7.9
	Ratio (1 in X)	--	1,378	--	--	12,734
13-19	Population	2,361	2,528	15,094	2,070	22,052
	Number	0	2	0	1	3
	Rate	0.0	79.1	0.0	48.3	13.6
	Ratio (1 in X)	--	1,264	--	2,070	7,351
20-29	Population	2,498	3,063	22,287	2,117	29,965
	Number	1	12	3	1	17
	Rate	40.0	391.8	13.5	47.2	56.7
	Ratio (1 in X)	2,498	255	7,429	2,117	1,763
30-39	Population	3,023	2,955	23,492	2,217	31,687
	Number	4	28	17	4	53
	Rate	132.3	947.5	72.4	180.4	167.3
	Ratio (1 in X)	756	106	1,382	554	598
40-49	Population	2,539	2,876	24,037	2,110	31,562
	Number	7	37	23	5	72
	Rate	275.7	1,286.5	95.7	237.0	228.1
	Ratio (1 in X)	363	78	1,045	422	438
50-59	Population	1,632	2,597	30,708	1,510	36,447
	Number	9	47	27	12	95
	Rate	551.5	1,809.8	87.9	794.7	260.7
	Ratio (1 in X)	181	55	1,137	126	384
60+	Population	1,506	2,819	58,239	1,785	64,349
	Number	2	22	14	7	45
	Rate	132.8	780.4	24.0	392.2	69.9
	Ratio (1 in X)	753	128	4,160	255	1,430
Total Females by Race/Ethnicity	Population	18,366	20,973	199,347	15,578	254,264
	Number	23	151	84	30	288
	Rate	125.2	720.0	42.1	192.6	113.3
	Ratio (1 in X)	799	139	2,373	519	883

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)	11	52.9%	68.5%	77.5%	***	73.9%	326
Injection Drug Use (IDU)	2	11.4%	***	***	***	***	***
Male-to-male Sexual Contact and Injection Drug Use (MSM/IDU)	1	5.7%	***	***	***	***	***
Heterosexual Contact (HET)	5	25.2%	***	***	0.0%	***	***
Perinatal Transmission	1	4.8%	***	***	***	***	***
Other Exposure	0	0.0%	--	--	--	--	--
No Estimated or Reported Exposure	0	0.0%	--	--	--	--	--
Total	21	100.0%	66.7%	76.2%	9.5%	81.0%	377
Male Estimated or Reported Exposure Category							
Male-to-male Sexual Contact (MSM)	11	69.4%	68.5%	77.5%	***	73.9%	326
Injection Drug Use (IDU)	0	1.9%	0.0%	0.0%	0.0%	100.0%	5
Male-to-male Sexual Contact and Injection Drug Use (MSM/IDU)	1	7.5%	***	***	***	***	***
Heterosexual Contact (HET)	2	15.0%	***	***	***	***	***
Perinatal Transmission	1	6.3%	***	***	***	***	***
Other Exposure	0	0.0%	--	--	--	--	--
No Estimated or Reported Exposure	0	0.0%	--	--	--	--	--
Total	16	100.0%	62.5%	75.0%	12.5%	75.0%	345
Female Estimated or Reported Exposure Category							
Injection Drug Use (IDU)	2	42.0%	***	***	***	***	***
Heterosexual Contact (HET)	3	58.0%	***	***	***	***	***
Perinatal Transmission	0	0.0%	--	--	--	--	--
Other Exposure	0	0.0%	--	--	--	--	--
No Estimated or Reported Exposure	0	0.0%	--	--	--	--	--
Total	5	100.0%	80.0%	80.0	0.0%	100.0%	470

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)	427	45.8%
Injection Drug Use (IDU)	131	14.1%
Male-to-male Sexual Contact and Injection Drug Use (MSM/IDU)	47	5.0%
Heterosexual Contact (HET)	312	33.4%
Perinatal Transmission	9	1.0%
Other Exposure	2	0.2%
No Estimated or Reported Exposure	5	0.5%
Total	932	100.0%
Male Estimated or Reported Exposure Category		
Male-to-male Sexual Contact (MSM)	427	65.9%
Injection Drug Use (IDU)	74	11.4%
Male-to-male Sexual Contact and Injection Drug Use (MSM/IDU)	47	7.2%
Heterosexual Contact (HET)	91	14.0%
Perinatal Transmission	6	0.9%
Other Exposure	1	0.2%
No Estimated or Reported Exposure	2	0.3%
Total	647	100.0%
Female Estimated or Reported Exposure Category		
Injection Drug Use (IDU)	57	20.0%
Heterosexual Contact (HET)	221	77.5%
Perinatal Transmission	3	1.1%
Other Exposure	1	0.4%
No Estimated or Reported Exposure	3	1.1%
Total	285	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)	43	47.2%	96	27.9%	251	60.3%
Injection Drug Use (IDU)	12	13.2%	55	16.0%	49	11.8%
Male-to-male Sexual Contact and Injection Drug Use (MSM/IDU)	4	4.3%	13	3.8%	28	6.8%
Heterosexual Contact (HET)	31	33.2%	171	49.7%	85	20.4%
Perinatal Transmission	1	1.1%	6	1.7%	1	0.2%
Other Exposure	0	0.0%	0	0.0%	1	0.2%
No Estimated or Reported Exposure	1	1.1%	3	0.9%	1	0.2%
Total	92	100.0%	344	100.0%	416	100.0%

Male Estimated or Reported Exposure Category						
Male-to-male Sexual Contact (MSM)	43	62.9%	96	48.8%	251	75.5%
Injection Drug Use (IDU)	9	13.6%	35	17.8%	24	7.3%
Male-to-male Sexual Contact and Injection Drug Use (MSM/IDU)	4	5.8%	13	6.7%	28	8.6%
Heterosexual Contact (HET)	10	14.8%	48	24.2%	28	8.3%
Perinatal Transmission	1	1.4%	4	2.0%	0	0.0%
Other Exposure	0	0.0%	0	0.0%	1	0.3%
No Estimated or Reported Exposure	1	1.4%	1	0.5%	0	0.0%
Total	68	100.0%	197	100.0%	332	100.0%

Female Estimated or Reported Exposure Category						
Injection Drug Use (IDU)	3	11.7%	20	13.7%	25	29.5%
Heterosexual Contact (HET)	20	88.3%	124	83.6%	57	68.1%
Perinatal Transmission	0	0.0%	2	1.4%	1	1.2%
Other Exposure	0	0.0%	0	0.0%	0	0.0%
No Estimated or Reported Exposure	0	0.0%	2	1.4%	1	1.2%
Total	23	100.0%	148	100.0%	84	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)	427	335	78.5%	648	3.7%	8.5%	16.1%	71.6%
Injection Drug Use (IDU)	131	104	79.6%	562	10.4%	9.5%	20.3%	59.8%
Male-to-male Sexual Contact and Injection Drug Use (MSM/IDU)	47	37	79.7%	629	5.4%	5.4%	27.3%	61.9%
Heterosexual Contact (HET)	312	256	82.3%	651	5.7%	8.4%	15.4%	70.5%
Perinatal Transmission	9	9	100.0%	535	22.2%	11.1%	11.1%	55.6%
Other Exposure	2	***	***	***	***	***	***	***
No Estimated or Reported Exposure	5	***	***	***	***	***	***	***
Total	932	748	80.3%	635	5.7%	8.4%	17.0%	68.9%

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

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

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

Estimated or Reported Exposure Category	Total People Aged 13+ with Living Diagnosed HIV				
	No.	Recent Viral Load Test Results			
		No. with Test	% with Test	% Suppressed	Median Unsuppressed
Male-to-male Sexual Contact (MSM)	427	338	79.3%	94.1%	3,550
Injection Drug Use (IDU)	131	105	80.5%	82.4%	8,090
Male-to-male Sexual Contact and Injection Drug Use (MSM/IDU)	47	37	79.7%	81.0%	14,300
Heterosexual Contact (HET)	312	254	81.5%	91.2%	2,090
Perinatal Transmission	9	9	100.0%	88.9%	73,800
Other Exposure	2	***	***	***	***
No Estimated or Reported Exposure	5	***	***	***	***
Total	932	750	80.5%	90.8%	4,030

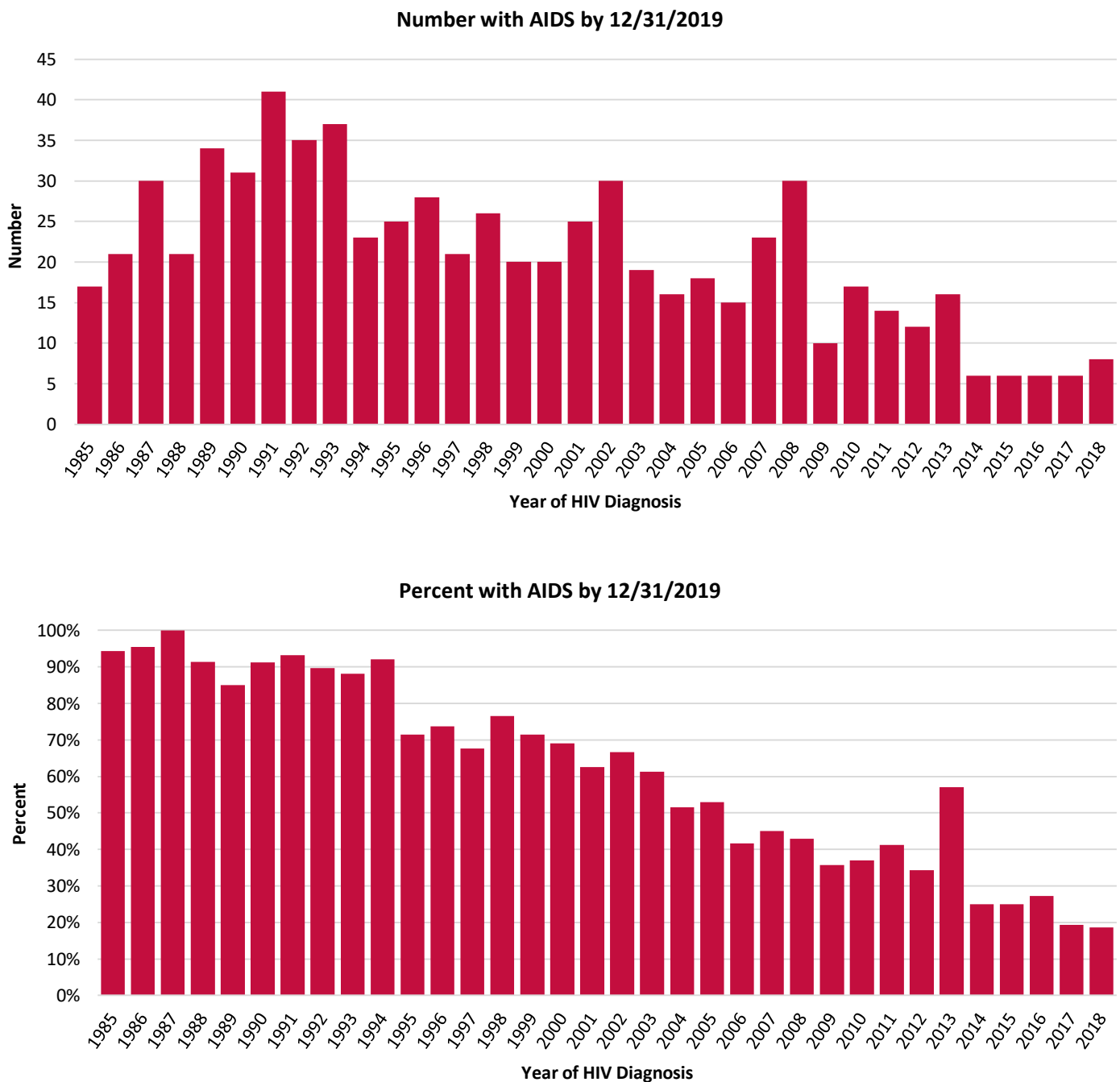
Note. Data have been statistically adjusted to account for missing transmission category, therefore, values may not sum to column total. Median unsuppressed is weighted based on statistical adjustment.

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

Section VIII – Disease Progression and Mortality

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

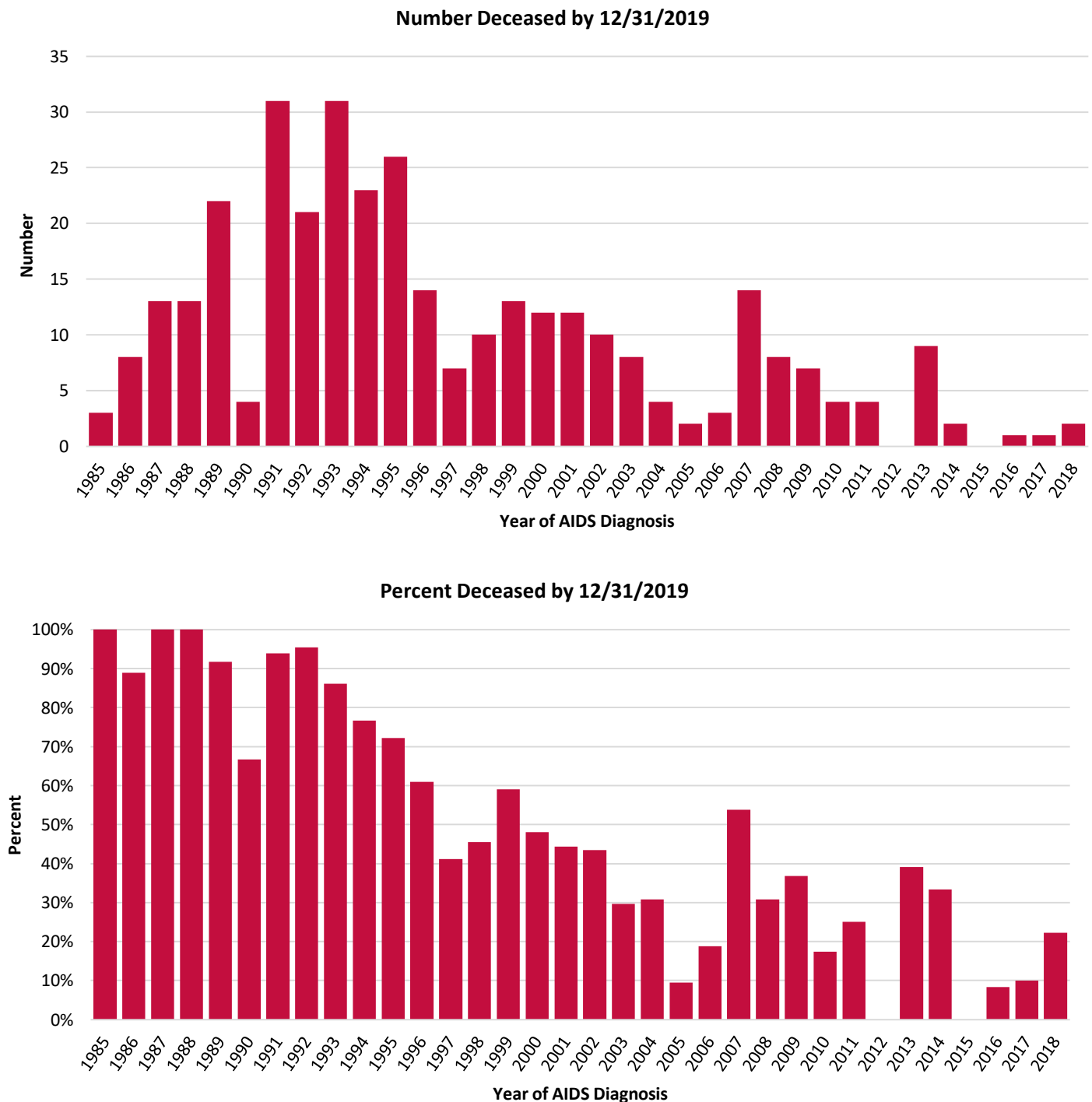
Number of People Aged 13+ with Diagnosed HIV, Age 13+ at HIV Diagnosis, (Reported HIV Diagnoses Among People Aged 13+), Number of People Aged 13+ with Diagnosed HIV with an AIDS Diagnosis by December 31, 2019 (Reported AIDS Diagnoses), Percent by Year of HIV Diagnosis of Reported HIV Diagnoses with a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



Reported HIV Diagnoses Among People Aged 13+									
Year of HIV Diagnosis	No.	Reported AIDS Diagnoses			Percent with AIDS by Years After HIV Diagnosis				
		No.	% with AIDS	Mean Years from HIV to AIDS	1 Year	2 Years	5 Years	10 Years	
<1985	11	11	100.0%	5.4	54.5%	54.5%	63.6%	72.7%	
1985	18	17	94.4%	7.4	16.7%	22.2%	44.4%	66.7%	
1986	22	21	95.5%	4.3	50.0%	54.5%	59.1%	81.8%	
1987	30	30	100.0%	5.3	40.0%	43.3%	53.3%	80.0%	
1988	23	21	91.3%	5.3	39.1%	47.8%	60.9%	65.2%	
1989	40	34	85.0%	2.9	47.5%	52.5%	65.0%	77.5%	
1990	34	31	91.2%	4.2	26.5%	38.2%	67.6%	79.4%	
1991	44	41	93.2%	3.3	47.7%	54.5%	70.5%	81.8%	
1992	39	35	89.7%	2.9	41.0%	56.4%	76.9%	82.1%	
1993	42	37	88.1%	2.3	52.4%	64.3%	78.6%	81.0%	
1994	25	23	92.0%	3.2	60.0%	68.0%	72.0%	84.0%	
1995	35	25	71.4%	3.9	40.0%	42.9%	48.6%	65.7%	
1996	38	28	73.7%	3.3	44.7%	47.4%	60.5%	65.8%	
1997	31	21	67.7%	3.3	41.9%	45.2%	48.4%	61.3%	
1998	34	26	76.5%	1.4	64.7%	67.6%	67.6%	70.6%	
1999	28	20	71.4%	2.4	46.4%	46.4%	64.3%	64.3%	
2000	29	20	69.0%	2.3	48.3%	48.3%	58.6%	62.1%	
2001	40	25	62.5%	2.2	42.5%	45.0%	52.5%	60.0%	
2002	45	30	66.7%	2.5	40.0%	40.0%	57.8%	62.2%	
2003	31	19	61.3%	2.9	38.7%	41.9%	45.2%	58.1%	
2004	31	16	51.6%	2.0	41.9%	41.9%	45.2%	48.4%	
2005	34	18	52.9%	1.5	35.3%	44.1%	47.1%	50.0%	
2006	36	15	41.7%	1.4	30.6%	33.3%	38.9%	38.9%	
2007	51	23	45.1%	0.5	41.2%	41.2%	45.1%	45.1%	
2008	70	30	42.9%	1.3	31.4%	32.9%	38.6%	42.9%	
2009	28	10	35.7%	1.3	28.6%	28.6%	32.1%	35.7%	
2010	46	17	37.0%	0.6	32.6%	32.6%	34.8%	--	
2011	34	14	41.2%	0.3	41.2%	41.2%	41.2%	--	
2012	35	12	34.3%	1.3	25.7%	25.7%	28.6%	--	
2013	28	16	57.1%	0.4	50.0%	50.0%	57.1%	--	
2014	24	6	25.0%	1.3	16.7%	16.7%	20.8%	--	
2015	24	6	25.0%	1.0	20.8%	20.8%	--	--	
2016	22	6	27.3%	0.7	18.2%	22.7%	--	--	
2017	31	6	19.4%	0.4	16.1%	16.1%	--	--	
2018	43	8	18.6%	0.1	18.6%	--	--	--	
Total	1,176	718	61.1%	2.7	38.1%	41.4%	49.6%	55.7%	

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

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



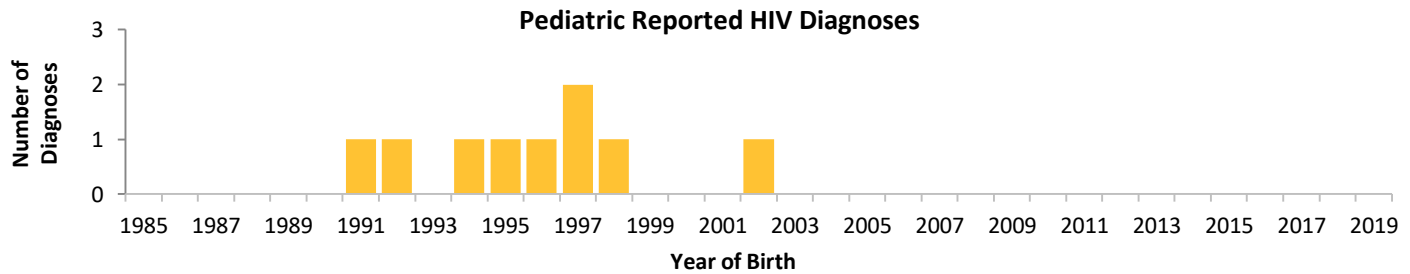
Year of AIDS Diagnosis	Reported AIDS Diagnoses Among People Aged 13+							
	No.	Reported AIDS Deaths			Percent Alive by Years After AIDS Diagnosis			
		No.	% Deceased	Mean Years from AIDS to Death	1 Year	2 Years	5 Years	10 Years
<1985	6	6	100.0%	1.4	33.3%	16.7%	16.7%	0.0%
1985	3	3	100.0%	1.0	66.7%	0.0%	0.0%	0.0%
1986	9	8	88.9%	0.7	22.2%	11.1%	11.1%	11.1%
1987	13	13	100.0%	1.2	38.5%	23.1%	7.7%	0.0%
1988	13	13	100.0%	2.1	69.2%	23.1%	15.4%	0.0%
1989	24	22	91.7%	3.2	70.8%	45.8%	25.0%	12.5%
1990	6	4	66.7%	5.0	83.3%	66.7%	50.0%	50.0%
1991	33	31	93.9%	3.0	75.8%	51.5%	27.3%	15.2%
1992	22	21	95.5%	4.4	77.3%	63.6%	27.3%	22.7%
1993	36	31	86.1%	3.7	75.0%	58.3%	27.8%	22.2%
1994	30	23	76.7%	4.8	83.3%	50.0%	43.3%	36.7%
1995	36	26	72.2%	6.6	80.6%	75.0%	66.7%	50.0%
1996	23	14	60.9%	7.8	87.0%	87.0%	78.3%	56.5%
1997	17	7	41.2%	7.8	100.0%	94.1%	82.4%	70.6%
1998	22	10	45.5%	8.0	95.5%	95.5%	81.8%	63.6%
1999	22	13	59.1%	8.4	100.0%	90.9%	86.4%	54.5%
2000	25	12	48.0%	6.4	84.0%	84.0%	76.0%	72.0%
2001	27	12	44.4%	5.9	96.3%	92.6%	77.8%	63.0%
2002	23	10	43.5%	5.5	82.6%	82.6%	69.6%	65.2%
2003	27	8	29.6%	5.8	88.9%	88.9%	88.9%	74.1%
2004	13	4	30.8%	8.3	100.0%	100.0%	92.3%	84.6%
2005	21	2	9.5%	5.5	95.2%	95.2%	95.2%	95.2%
2006	16	3	18.8%	4.1	93.8%	93.8%	87.5%	81.3%
2007	26	14	53.8%	6.0	92.3%	92.3%	84.6%	50.0%
2008	26	8	30.8%	4.4	88.5%	88.5%	88.5%	69.2%
2009	19	7	36.8%	4.2	89.5%	89.5%	84.2%	63.2%
2010	23	4	17.4%	3.5	95.7%	91.3%	91.3%	--
2011	16	4	25.0%	1.8	87.5%	87.5%	75.0%	--
2012	14	0	0.0%	--	100.0%	100.0%	100.0%	--
2013	23	9	39.1%	1.0	73.9%	65.2%	65.2%	--
2014	6	2	33.3%	0.2	66.7%	66.7%	66.7%	--
2015	4	0	0.0%	--	100.0%	100.0%	--	--
2016	12	1	8.3%	0.8	91.7%	91.7%	--	--
2017	10	1	10.0%	0.7	90.0%	90.0%	--	--
2018*	9	2	22.2%	0.1	77.8%	--	--	--
Total	655	348	53.1%	4.5	83.8%	75.4%	65.5%	54.4%

*2018 AIDS deaths are preliminary

Section IX – Pediatrics

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

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



Year	Pediatric Reported HIV Diagnoses				Total Living Pediatric Diagnoses Alive on December 31st of Each Year
	No. by Year of Birth	No. by Year of HIV Diagnosis	No. by Year of AIDS Diagnosis	No. by Year of Death	
<1985	3	0	0	0	--
1985	0	1	0	0	1
1986	0	1	0	0	2
1987	0	0	0	0	2
1988	0	1	0	0	3
1989	0	0	1	0	3
1990	0	0	0	0	3
1991	1	0	0	1	4
1992	1	1	1	0	5
1993	0	1	1	0	6
1994	1	0	1	2	4
1995	1	1	0	0	5
1996	1	1	1	1	5
1997	2	2	1	0	7
1998	1	0	0	0	7
1999	0	0	0	0	7
2000	0	0	0	0	7
2001	0	0	0	0	7
2002	1	0	0	0	7
2003	0	0	0	0	7
2004	0	0	0	0	7
2005	0	0	1	0	6
2006	0	0	0	0	6
2007	0	1	0	0	7
2008	0	2	0	0	9
2009	0	0	0	0	9
2010	0	0	0	0	9
2011	0	0	0	0	9
2012	0	0	0	1	9
2013	0	0	0	0	10
2014	0	0	0	1	9
2015	0	0	0	0	9
2016	0	0	0	0	9
2017	0	0	0	0	9
2018	0	0	0	0	9
2019	0	0	0	0	9
Total	12	12	7	6	--

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

Jurisdiction of Current Residence	Total People Aged <13 Living with Diagnosed HIV	
	No.	% of Total
Allegany	2	50.0%
Frederick	0	0.0%
Garrett	0	0.0%
Washington	2	50.0%
Total	4	100.0%

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

Demographic Characteristic	Total People Aged <13 Living with Diagnosed HIV	
	No.	% of Total
Sex at Birth		
Male	1	25.0%
Female	3	75.0%
Race/Ethnicity		
Hispanic	0	0.0%
Non-Hispanic	4	100.0%
American Indian/Alaska Native, only	0	0.0%
Asian, only	0	0.0%
Black, only	4	100.0%
Native Hawaiian/Other Pacific Islander, only	0	0.0%
White, only	0	0.0%
Multiracial/Other	0	0.0%
Total	4	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.