

# 2020

# WESTERN REGION ANNUAL HIV EPIDEMIOLOGICAL PROFILE

Data reported through  
June 30, 2021

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

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



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## On the Web

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

## Additional Information and Reporting Instructions

<https://health.maryland.gov/phpa/OIDEOR/CHSE/Pages/reporting-material.aspx>

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## Section I – Summary of Analyses and Technical Notes

### Highlights of Analyses

CHSEE in MDH is responsible for the collection, analysis, and dissemination of HIV surveillance data for the state of Maryland. The annual epidemiological profiles, fact sheets, maps and other reports are provided to summarize information about the HIV epidemic in Maryland.

All rates presented below are per 100,000 population.

#### HIV Diagnoses

During 2020, there were 24 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 2020.

- Geographic distribution: Frederick County accounted for the highest number (14, 58.3%) and the highest rate of HIV diagnoses (6.3).
- Age: Persons aged 30-39 years accounted for the highest number (12, 50.0%) of HIV diagnoses and the highest rate (17.7).
- Sex at Birth: Males accounted for the highest number (16, 66.7%) of HIV diagnoses. The rate among males was 7.3 and 3.7 among females.
- Race/Ethnicity: Non-Hispanic White people accounted for the highest number (10, 41.7%) of HIV diagnoses. The highest rate was among Non-Hispanic Black people (18.4).
- Exposure Category: Male-to-male sexual contact accounted for the highest number (15, 60.8%) of diagnoses.

#### People Living with Diagnosed HIV

At the end of 2020, there were 991 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 (376, 46.9%) of people living with diagnosed HIV. The highest rate was in Washington County (284.3).
- Age: Persons aged 40-59 years accounted for the highest number (541, 54.6%) of people living with diagnosed HIV and the highest rate (393.8).
- Sex at Birth: Males accounted for the highest number (693, 69.9%) of people living with diagnosed HIV. The rate among males was 317.4 and 136.6 among females.
- Race/Ethnicity: Non-Hispanic White people accounted for the highest number (437, 44.1%) of the people living with diagnosed HIV. The highest rate was among Non-Hispanic Black people (869.5).
- Exposure Category: Male-to-male sexual contact accounted for the highest number (454, 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 92.9 percent have been diagnosed and an estimated 76 people with HIV remain undiagnosed.
- Linked to care: During 2020, 87.5 percent of reported HIV diagnoses were linked to HIV care within one month of their HIV diagnosis.
- Retained in care: Among people living with diagnosed HIV, 79.8 percent were retained in care during 2020.
- Viral suppression: In 2020, 68.9 percent of people living with diagnosed HIV achieved viral suppression.

## Technical Notes

### HIV/AIDS Reporting

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

### Data Specifications

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

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

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

Please read all table titles and footnotes carefully to ensure a complete understanding of the displayed data. A glossary of terms is also available.

### COVID-19 and HIV Surveillance Data

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

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

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

### Undiagnosed HIV Infections

The Centers for Disease Control and Prevention (CDC), using national surveillance data, estimates that the number of people living with undiagnosed HIV infection, among people living with HIV, is 13.3 percent in the United States.<sup>1</sup> Applying the same estimation method to Maryland surveillance data, the estimated number of people living with undiagnosed HIV infection in Maryland is 10.1 percent in 2019.

### AIDS Diagnoses

CD4+ T-lymphocyte tests are measures of a person's immune system function. An adult living with diagnosed HIV is considered to have AIDS if they have less than 200

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

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

### Mortality

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

### Engagement in HIV Care

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

### Viral Suppression

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

### Geographic Distribution

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

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

### Residents of Correctional Facilities

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

### Gender Identity

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

### Race/Ethnicity

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

### Country of Birth

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

### HIV Exposure Categories

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

### Sources of Data

Information on HIV and AIDS diagnoses, including residence, age, race/ethnicity, sex at birth, gender identity, country of birth, vital status, HIV exposure category, and CD4 and HIV viral load test results are from MDH's Enhanced HIV/AIDS Reporting System (eHARS), as of June 30, 2021.

Population data by sex, age, and race/ethnicity are from the July 1, 2020 United States Census Estimates. Population data by country-of-birth are from the Census Bureau's 2019 American Community Survey. This produces a difference in total population due to the different source. Due to estimation limitations, some population totals may not equal the sum of its components. When needed, age groups were divided by assuming uniform age distribution within the age group. Non-Hispanic multiple race and Non-Hispanic other race from the Census were combined into one group.

### Tabulation of Column Totals

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

### Data Suppression

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

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

Tables presenting clinical/laboratory information for reported new diagnoses by ZIP code will present only ZIP codes with at least five people. Exposure/risk data is not suppressed due to statistical adjustments resulting in the presentation of estimated or probable risk.

### Multiple Imputation

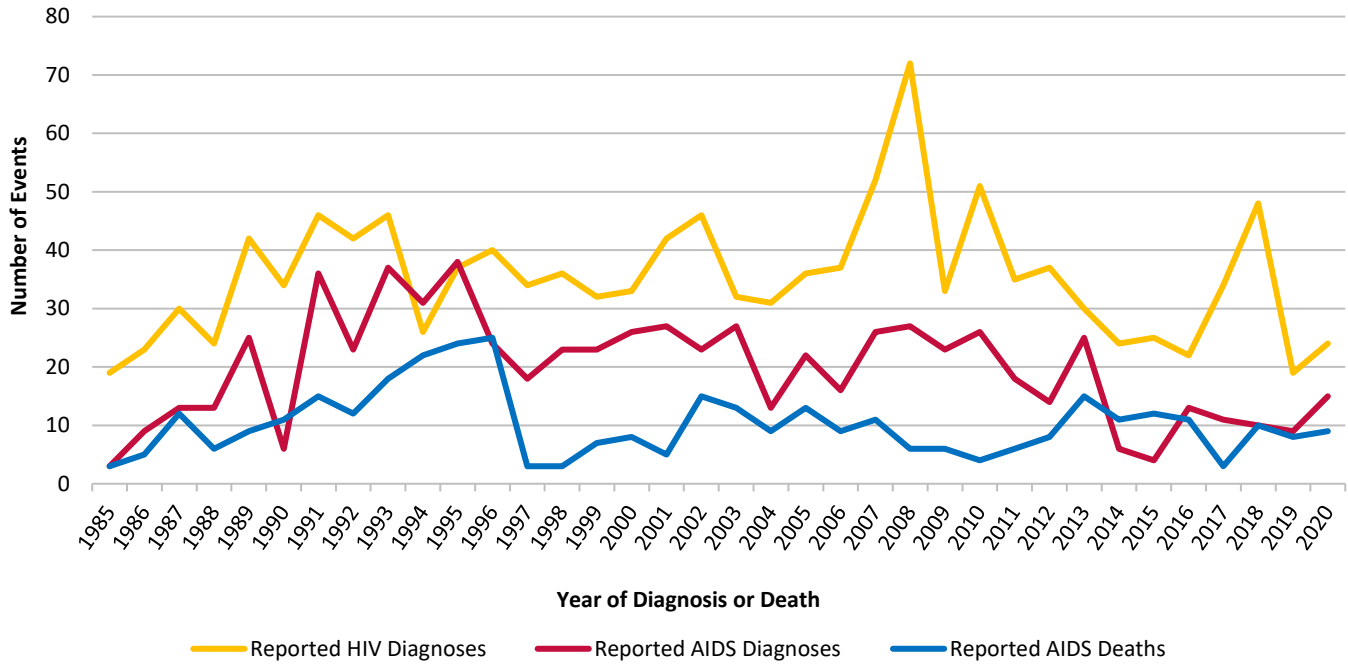
Not all exposure data is reported and is therefore missing in some instances. Multiple imputation is a statistical method by which missing exposure categories are replaced with estimated or probable exposure categories. Perinatal transmission and other exposure categories are never estimated or adjusted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



## Section II – Trends 1985-2020

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

People Diagnosed with HIV (Reported HIV Diagnoses) by Year of HIV Diagnosis, People Diagnosed with HIV with an AIDS Diagnosis (Reported AIDS Diagnoses) by Year of AIDS Diagnosis, and People Diagnosed with HIV with an AIDS Diagnosis Reported to have Died of Any Cause (Reported AIDS Deaths) by Year of Death, from 1985 through 2020, as Reported through June 30, 2021



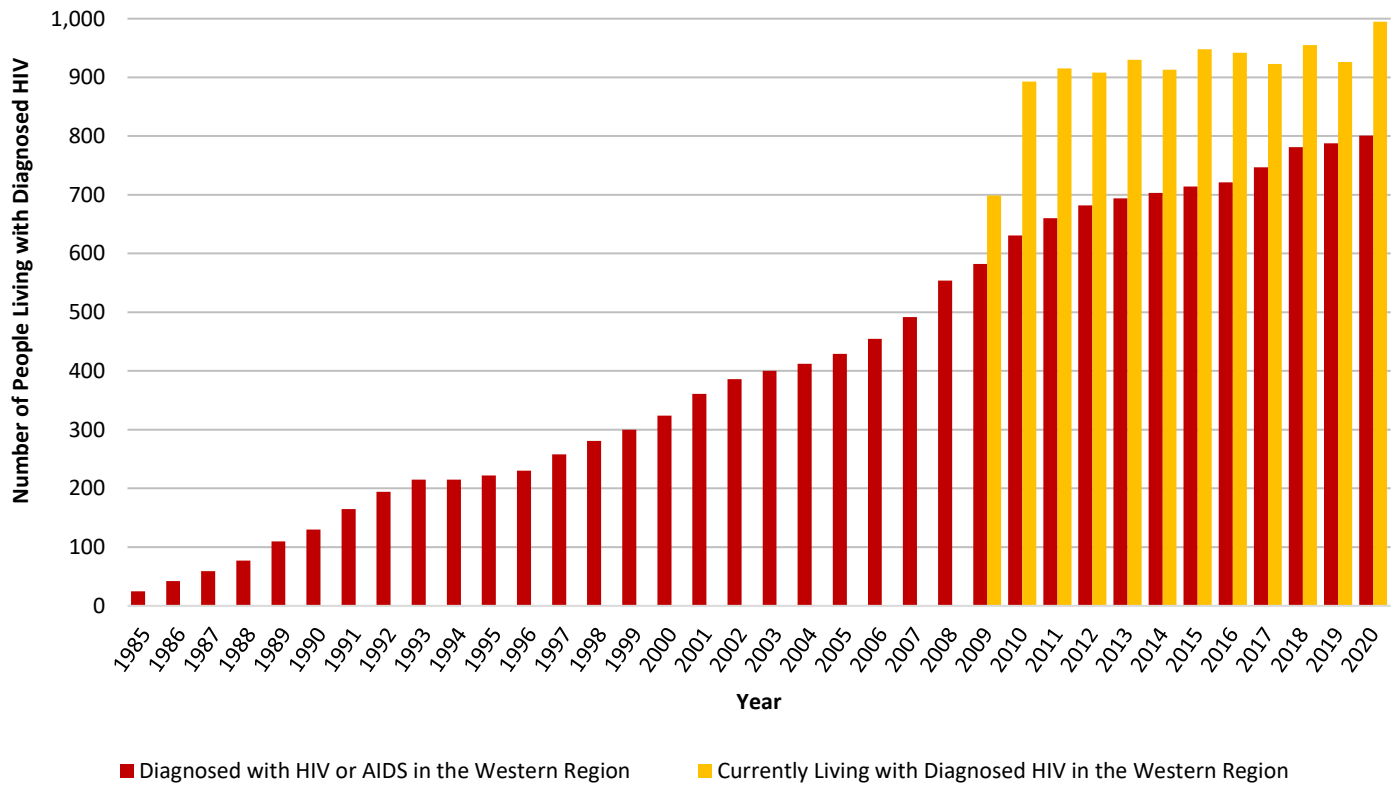
Year of Diagnosis or Death	Reported HIV Diagnoses	Reported AIDS Diagnoses	Reported AIDS Deaths	Year of Diagnosis or Death	Reported HIV Diagnoses	Reported AIDS Diagnoses	Reported AIDS Deaths
<1985	11	6	2	2003	32	27	13
1985	19	3	3	2004	31	13	9
1986	23	9	5	2005	36	22	13
1987	30	13	12	2006	37	16	9
1988	24	13	6	2007	52	26	11
1989	42	25	9	2008	72	27	6
1990	34	6	11	2009	33	23	6
1991	46	36	15	2010	51	26	4
1992	42	23	12	2011	35	18	6
1993	46	37	18	2012	37	14	8
1994	26	31	22	2013	30	25	15
1995	37	38	24	2014	24	6	11
1996	40	24	25	2015	25	4	12
1997	34	18	3	2016	22	13	11
1998	36	23	3	2017	34	11	3
1999	32	23	7	2018	48	10	10
2000	33	26	8	2019*	19	9	8
2001	42	27	5	2020*	24	15	9
2002	46	23	15	<b>Total</b>	<b>1,285</b>	<b>709</b>	<b>369</b>

\*2019-2020 reported AIDS deaths are preliminary

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

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

People Living with Diagnosed HIV in the Western Region and Not Reported to have Died as of December 31st of Each Year (People who were Diagnosed with HIV or AIDS in the Western Region and/or People who are Currently Living with Diagnosed HIV in the Western Region) from 1985 through 2020, as Reported through June 30, 2021

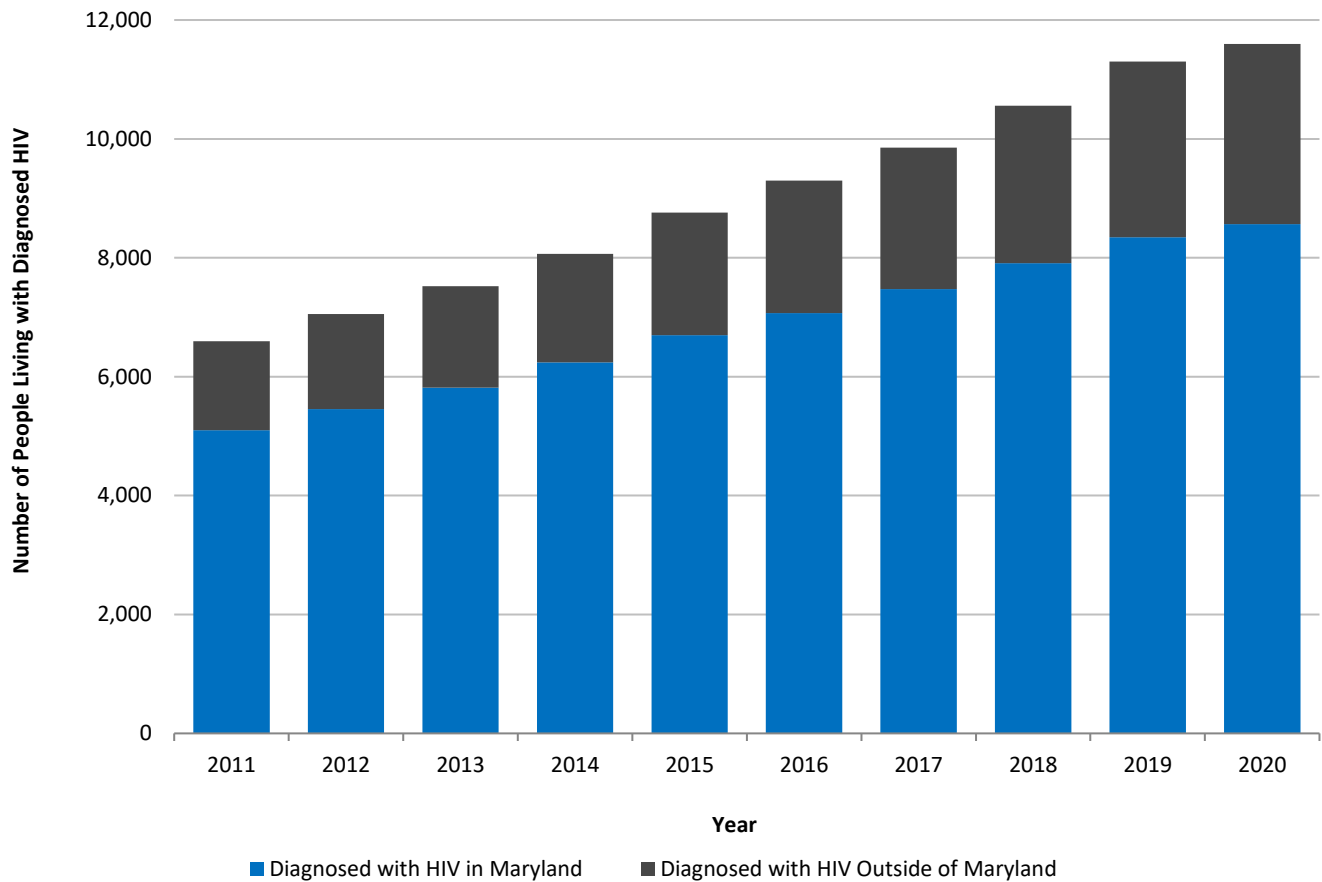


Year	People Living with Diagnosed HIV		Year	People Living with Diagnosed HIV	
	Diagnosed with HIV or AIDS in the Western Region	Current Residents		Diagnosed with HIV or AIDS in the Western Region	Current Residents
1985	25	--	2003	400	--
1986	42	--	2004	412	--
1987	59	--	2005	429	--
1988	77	--	2006	455	--
1989	110	--	2007	492	--
1990	130	--	2008	554	--
1991	165	--	2009	582	699
1992	194	--	2010	631	893
1993	215	--	2011	660	915
1994	215	--	2012	682	908
1995	222	--	2013	694	930
1996	230	--	2014	703	913
1997	258	--	2015	714	948
1998	281	--	2016	721	942
1999	300	--	2017	747	923
2000	324	--	2018	781	955
2001	361	--	2019	788	926
2002	386	--	2020	801	995

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

**Figure 3 – Trends in People Aged 13+ Living with Diagnosed HIV, among Current Residents, 2011-2020, Reported through June 30, 2021**

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

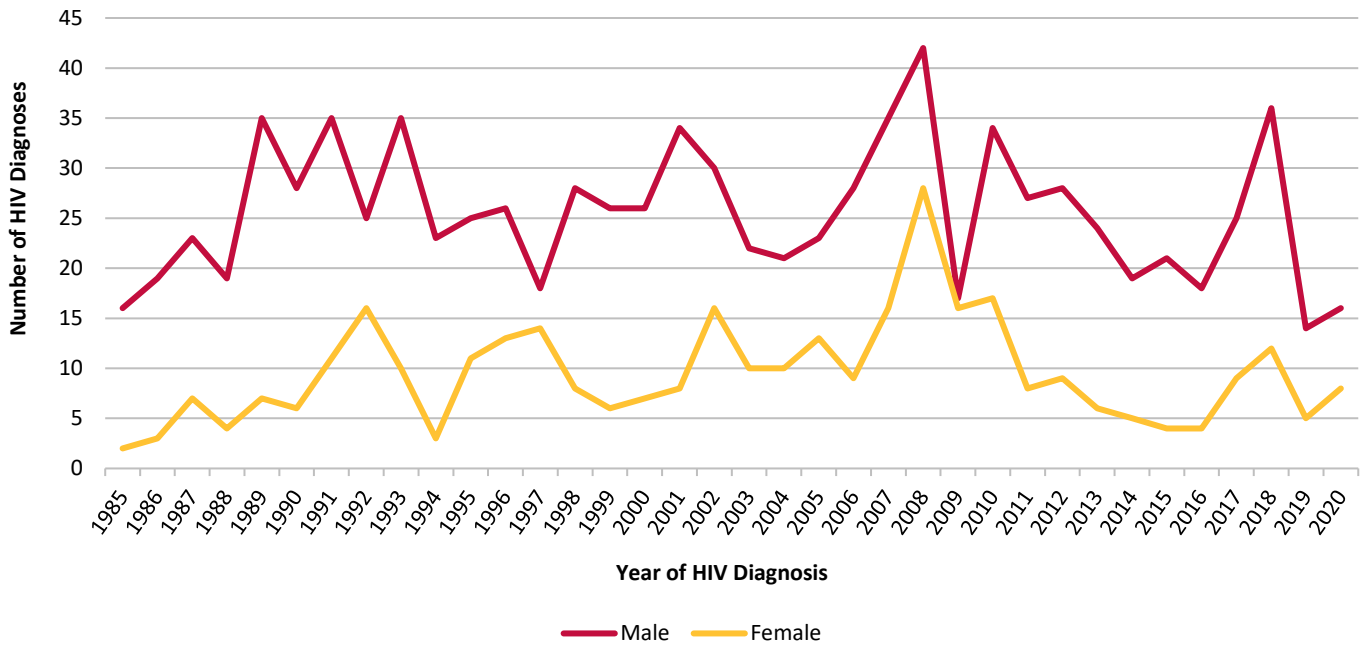


Year	Population Aged 13+	Western Region Residents Aged 13+ as of December 31st of the Specified Year			
		Diagnosed with HIV in Maryland	Diagnosed with HIV Outside of Maryland	Total	Rate
2011	411,852	5,100	1,495	6,595	1,601.3
2012	414,380	5,456	1,598	7,054	1,702.3
2013	416,155	5,818	1,705	7,523	1,807.7
2014	417,753	6,241	1,826	8,067	1,931.0
2015	419,308	6,698	2,065	8,763	2,089.9
2016	421,805	7,071	2,230	9,301	2,205.0
2017	425,185	7,475	2,379	9,854	2,317.6
2018	429,231	7,912	2,644	10,556	2,459.3
2019	433,090	8,348	2,951	11,299	2,608.9
2020	436,562	8,567	3,030	11,597	2,656.4

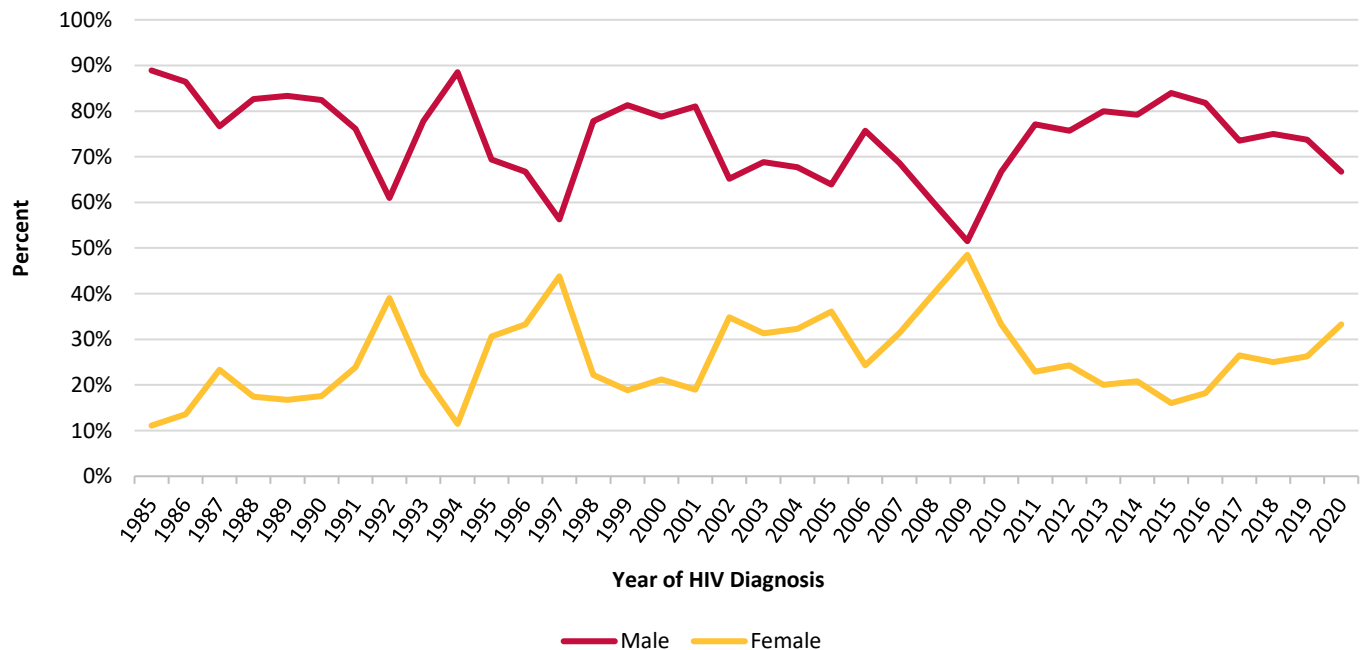
**Figure 4 – Trends in Reported HIV Diagnoses, among Residents at Diagnosis Aged 13+, by Sex at Birth, 1985-2020, Reported through June 30, 2021**

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

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



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



**Reported HIV Diagnoses among People Aged 13+**

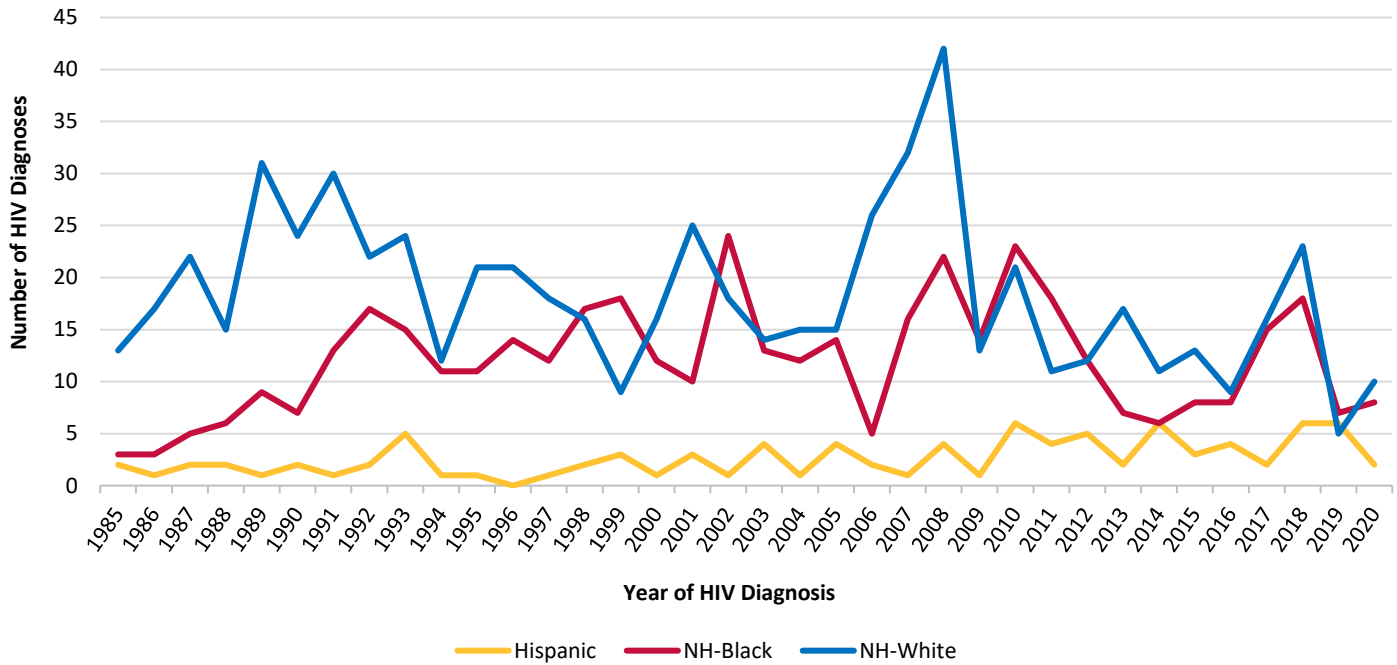
Year of HIV Diagnosis	Number	Sex at Birth			
		Male		Female	
		Number	Percent	Number	Percent
<1985	11	11	100.0%	0	0.0%
1985	18	16	88.9%	2	11.1%
1986	22	19	86.4%	3	13.6%
1987	30	23	76.7%	7	23.3%
1988	23	19	82.6%	4	17.4%
1989	42	35	83.3%	7	16.7%
1990	34	28	82.4%	6	17.6%
1991	46	35	76.1%	11	23.9%
1992	41	25	61.0%	16	39.0%
1993	45	35	77.8%	10	22.2%
1994	26	23	88.5%	3	11.5%
1995	36	25	69.4%	11	30.6%
1996	39	26	66.7%	13	33.3%
1997	32	18	56.3%	14	43.8%
1998	36	28	77.8%	8	22.2%
1999	32	26	81.3%	6	18.8%
2000	33	26	78.8%	7	21.2%
2001	42	34	81.0%	8	19.0%
2002	46	30	65.2%	16	34.8%
2003	32	22	68.8%	10	31.3%
2004	31	21	67.7%	10	32.3%
2005	36	23	63.9%	13	36.1%
2006	37	28	75.7%	9	24.3%
2007	51	35	68.6%	16	31.4%
2008	70	42	60.0%	28	40.0%
2009	33	17	51.5%	16	48.5%
2010	51	34	66.7%	17	33.3%
2011	35	27	77.1%	8	22.9%
2012	37	28	75.7%	9	24.3%
2013	30	24	80.0%	6	20.0%
2014	24	19	79.2%	5	20.8%
2015	25	21	84.0%	4	16.0%
2016	22	18	81.8%	4	18.2%
2017	34	25	73.5%	9	26.5%
2018	48	36	75.0%	12	25.0%
2019	19	14	73.7%	5	26.3%
2020	24	16	66.7%	8	33.3%
<b>Total</b>	<b>1,273</b>	<b>932</b>	<b>73.2%</b>	<b>341</b>	<b>26.8%</b>

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

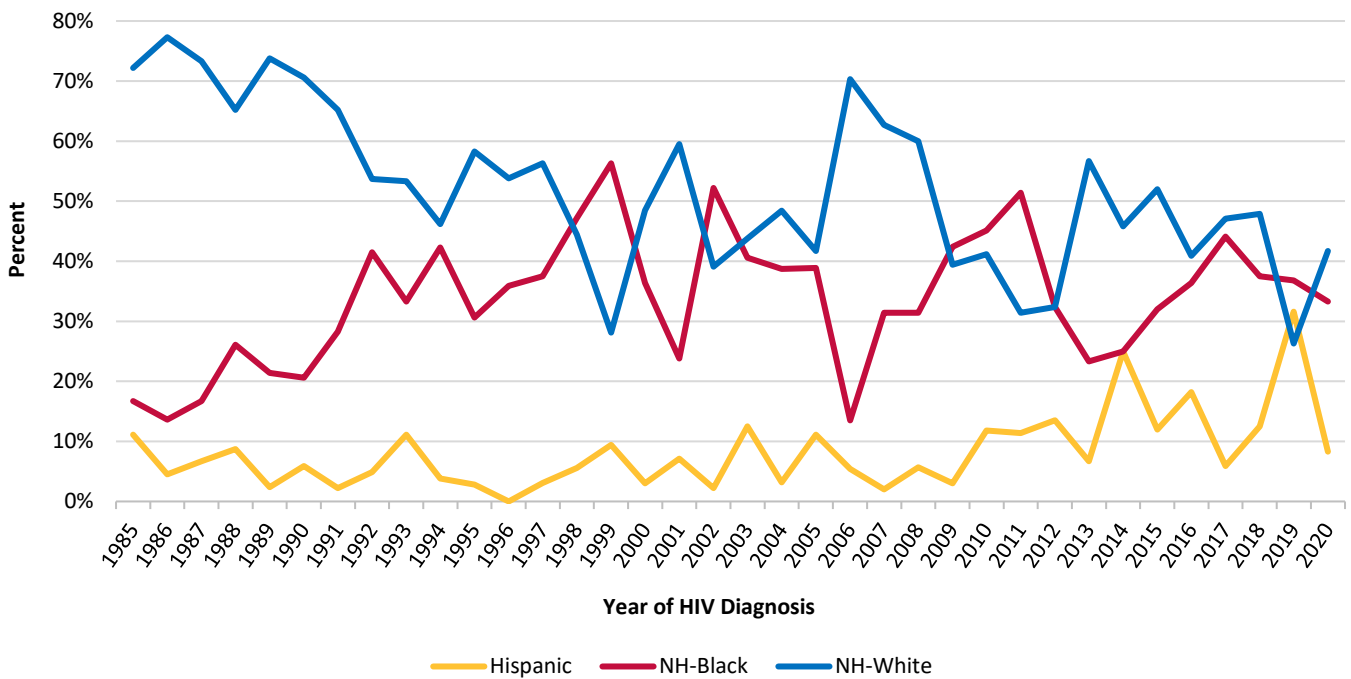
**Figure 5 – Trends in Reported HIV Diagnoses, among Residents at Diagnosis Aged 13+, by Race/Ethnicity, 1985-2020, Reported through June 30, 2021**

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

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



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



Non-Hispanic Other people not shown

Reported HIV Diagnoses among People Aged 13+

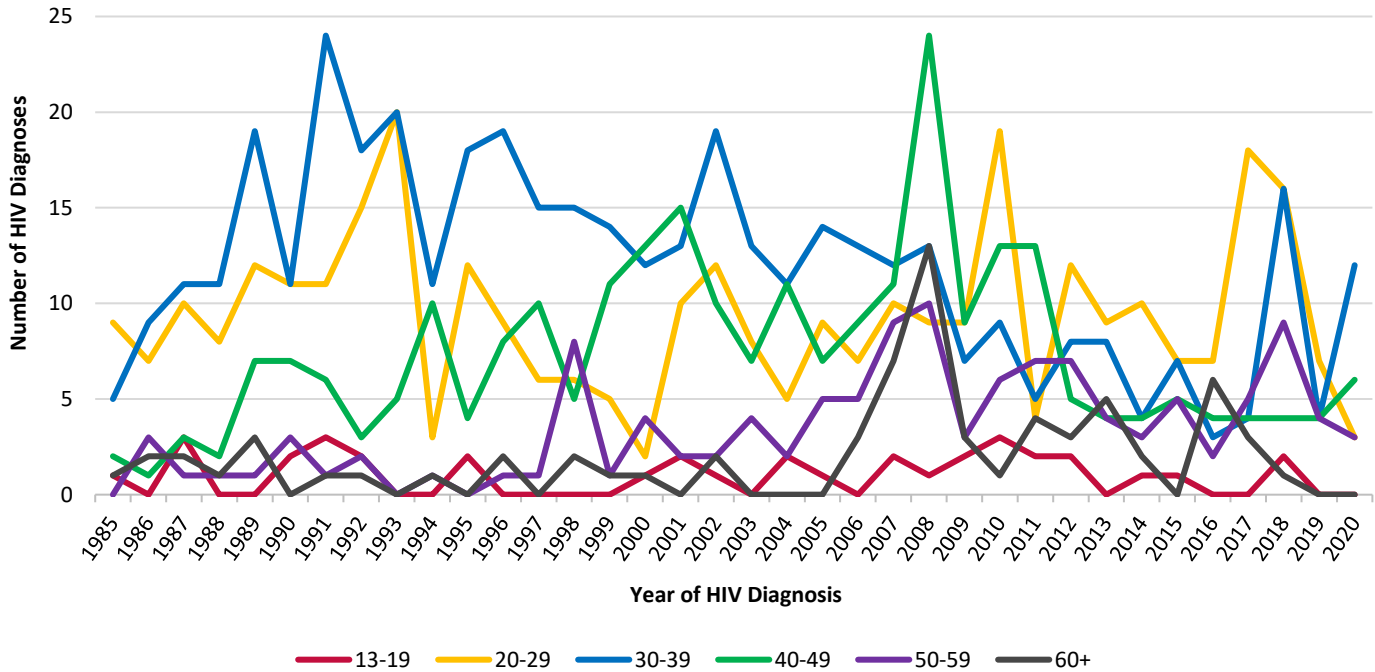
Year of HIV Diagnosis	No.	Race/Ethnicity							
		Hispanic		Non-Hispanic Black, only		Non-Hispanic White, only		Non-Hispanic Other Race	
		No.	%	No.	%	No.	%	No.	%
<1985	11	0	0.0%	4	36.4%	6	54.5%	1	9.1%
1985	18	2	11.1%	3	16.7%	13	72.2%	0	0.0%
1986	22	1	4.5%	3	13.6%	17	77.3%	1	4.5%
1987	30	2	6.7%	5	16.7%	22	73.3%	1	3.3%
1988	23	2	8.7%	6	26.1%	15	65.2%	0	0.0%
1989	42	1	2.4%	9	21.4%	31	73.8%	1	2.4%
1990	34	2	5.9%	7	20.6%	24	70.6%	1	2.9%
1991	46	1	2.2%	13	28.3%	30	65.2%	2	4.3%
1992	41	2	4.9%	17	41.5%	22	53.7%	0	0.0%
1993	45	5	11.1%	15	33.3%	24	53.3%	1	2.2%
1994	26	1	3.8%	11	42.3%	12	46.2%	2	7.7%
1995	36	1	2.8%	11	30.6%	21	58.3%	3	8.3%
1996	39	0	0.0%	14	35.9%	21	53.8%	4	10.3%
1997	32	1	3.1%	12	37.5%	18	56.3%	1	3.1%
1998	36	2	5.6%	17	47.2%	16	44.4%	1	2.8%
1999	32	3	9.4%	18	56.3%	9	28.1%	2	6.3%
2000	33	1	3.0%	12	36.4%	16	48.5%	4	12.1%
2001	42	3	7.1%	10	23.8%	25	59.5%	4	9.5%
2002	46	1	2.2%	24	52.2%	18	39.1%	3	6.5%
2003	32	4	12.5%	13	40.6%	14	43.8%	1	3.1%
2004	31	1	3.2%	12	38.7%	15	48.4%	3	9.7%
2005	36	4	11.1%	14	38.9%	15	41.7%	3	8.3%
2006	37	2	5.4%	5	13.5%	26	70.3%	4	10.8%
2007	51	1	2.0%	16	31.4%	32	62.7%	2	3.9%
2008	70	4	5.7%	22	31.4%	42	60.0%	2	2.9%
2009	33	1	3.0%	14	42.4%	13	39.4%	5	15.2%
2010	51	6	11.8%	23	45.1%	21	41.2%	1	2.0%
2011	35	4	11.4%	18	51.4%	11	31.4%	2	5.7%
2012	37	5	13.5%	12	32.4%	12	32.4%	8	21.6%
2013	30	2	6.7%	7	23.3%	17	56.7%	4	13.3%
2014	24	6	25.0%	6	25.0%	11	45.8%	1	4.2%
2015	25	3	12.0%	8	32.0%	13	52.0%	1	4.0%
2016	22	4	18.2%	8	36.4%	9	40.9%	1	4.5%
2017	34	2	5.9%	15	44.1%	16	47.1%	1	2.9%
2018	48	6	12.5%	18	37.5%	23	47.9%	1	2.1%
2019	19	6	31.6%	7	36.8%	5	26.3%	1	5.3%
2020	24	2	8.3%	8	33.3%	10	41.7%	4	16.7%
<b>Total</b>	<b>1,273</b>	<b>94</b>	<b>7.4%</b>	<b>437</b>	<b>34.3%</b>	<b>665</b>	<b>52.2%</b>	<b>77</b>	<b>6.0%</b>

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

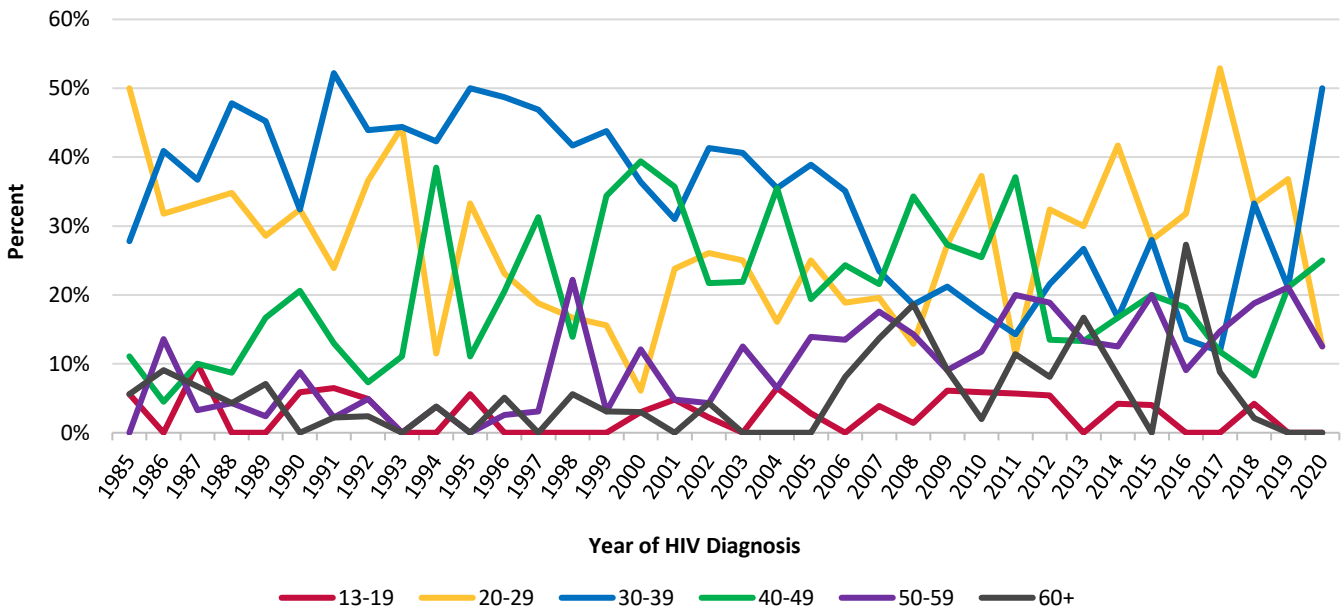
**Figure 6 – Trends in Reported HIV Diagnoses, among Residents at Diagnosis Aged 13+, by Age at HIV Diagnosis, 1985-2020, Reported through June 30, 2021**

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

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



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





**Reported HIV Diagnoses among People Aged 13+**

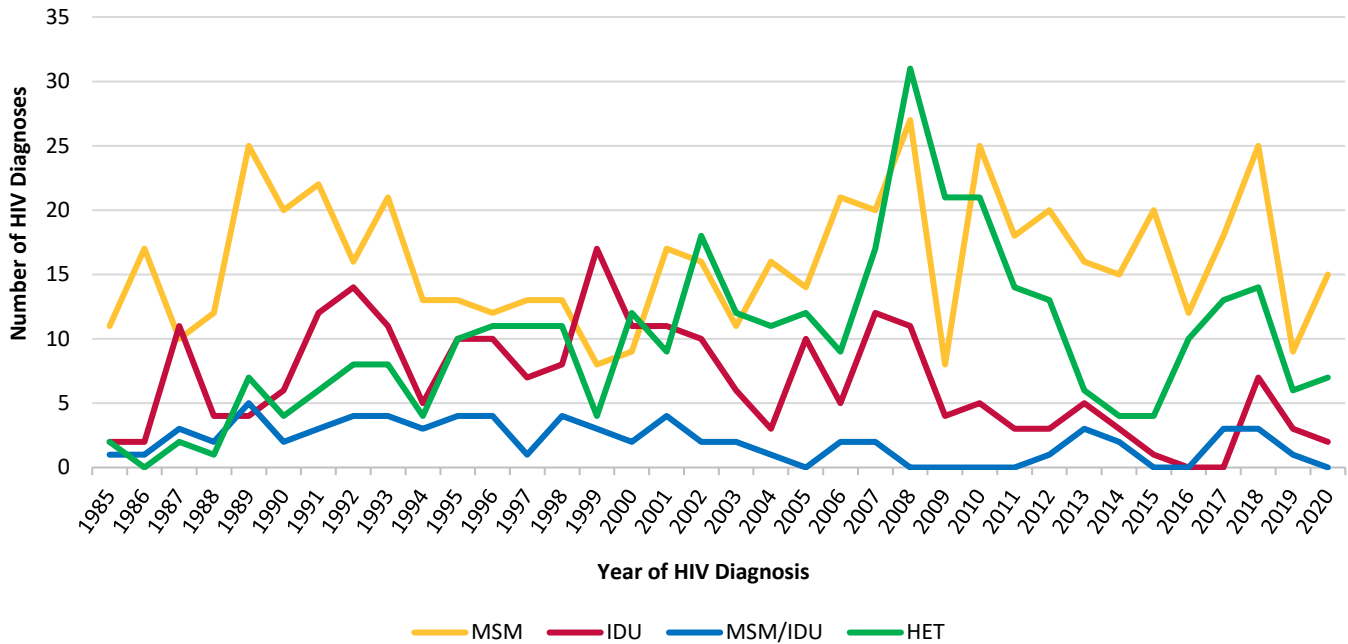
Year of HIV Diagnosis	No.	Age at HIV Diagnosis											
		13-19		20-29		30-39		40-49		50-59		60+	
		No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
<1985	11	1	9.1%	4	36.4%	5	45.5%	1	9.1%	0	0.0%	0	0.0%
1985	18	1	5.6%	9	50.0%	5	27.8%	2	11.1%	0	0.0%	1	5.6%
1986	22	0	0.0%	7	31.8%	9	40.9%	1	4.5%	3	13.6%	2	9.1%
1987	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	42	0	0.0%	12	28.6%	19	45.2%	7	16.7%	1	2.4%	3	7.1%
1990	34	2	5.9%	11	32.4%	11	32.4%	7	20.6%	3	8.8%	0	0.0%
1991	46	3	6.5%	11	23.9%	24	52.2%	6	13.0%	1	2.2%	1	2.2%
1992	41	2	4.9%	15	36.6%	18	43.9%	3	7.3%	2	4.9%	1	2.4%
1993	45	0	0.0%	20	44.4%	20	44.4%	5	11.1%	0	0.0%	0	0.0%
1994	26	0	0.0%	3	11.5%	11	42.3%	10	38.5%	1	3.8%	1	3.8%
1995	36	2	5.6%	12	33.3%	18	50.0%	4	11.1%	0	0.0%	0	0.0%
1996	39	0	0.0%	9	23.1%	19	48.7%	8	20.5%	1	2.6%	2	5.1%
1997	32	0	0.0%	6	18.8%	15	46.9%	10	31.3%	1	3.1%	0	0.0%
1998	36	0	0.0%	6	16.7%	15	41.7%	5	13.9%	8	22.2%	2	5.6%
1999	32	0	0.0%	5	15.6%	14	43.8%	11	34.4%	1	3.1%	1	3.1%
2000	33	1	3.0%	2	6.1%	12	36.4%	13	39.4%	4	12.1%	1	3.0%
2001	42	2	4.8%	10	23.8%	13	31.0%	15	35.7%	2	4.8%	0	0.0%
2002	46	1	2.2%	12	26.1%	19	41.3%	10	21.7%	2	4.3%	2	4.3%
2003	32	0	0.0%	8	25.0%	13	40.6%	7	21.9%	4	12.5%	0	0.0%
2004	31	2	6.5%	5	16.1%	11	35.5%	11	35.5%	2	6.5%	0	0.0%
2005	36	1	2.8%	9	25.0%	14	38.9%	7	19.4%	5	13.9%	0	0.0%
2006	37	0	0.0%	7	18.9%	13	35.1%	9	24.3%	5	13.5%	3	8.1%
2007	51	2	3.9%	10	19.6%	12	23.5%	11	21.6%	9	17.6%	7	13.7%
2008	70	1	1.4%	9	12.9%	13	18.6%	24	34.3%	10	14.3%	13	18.6%
2009	33	2	6.1%	9	27.3%	7	21.2%	9	27.3%	3	9.1%	3	9.1%
2010	51	3	5.9%	19	37.3%	9	17.6%	13	25.5%	6	11.8%	1	2.0%
2011	35	2	5.7%	4	11.4%	5	14.3%	13	37.1%	7	20.0%	4	11.4%
2012	37	2	5.4%	12	32.4%	8	21.6%	5	13.5%	7	18.9%	3	8.1%
2013	30	0	0.0%	9	30.0%	8	26.7%	4	13.3%	4	13.3%	5	16.7%
2014	24	1	4.2%	10	41.7%	4	16.7%	4	16.7%	3	12.5%	2	8.3%
2015	25	1	4.0%	7	28.0%	7	28.0%	5	20.0%	5	20.0%	0	0.0%
2016	22	0	0.0%	7	31.8%	3	13.6%	4	18.2%	2	9.1%	6	27.3%
2017	34	0	0.0%	18	52.9%	4	11.8%	4	11.8%	5	14.7%	3	8.8%
2018	48	2	4.2%	16	33.3%	16	33.3%	4	8.3%	9	18.8%	1	2.1%
2019	19	0	0.0%	7	36.8%	4	21.1%	4	21.1%	4	21.1%	0	0.0%
2020	24	0	0.0%	3	12.5%	12	50.0%	6	25.0%	3	12.5%	0	0.0%
<b>Total</b>	<b>1,273</b>	<b>37</b>	<b>2.9%</b>	<b>341</b>	<b>26.8%</b>	<b>432</b>	<b>33.9%</b>	<b>267</b>	<b>21.0%</b>	<b>125</b>	<b>9.8%</b>	<b>71</b>	<b>5.6%</b>

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

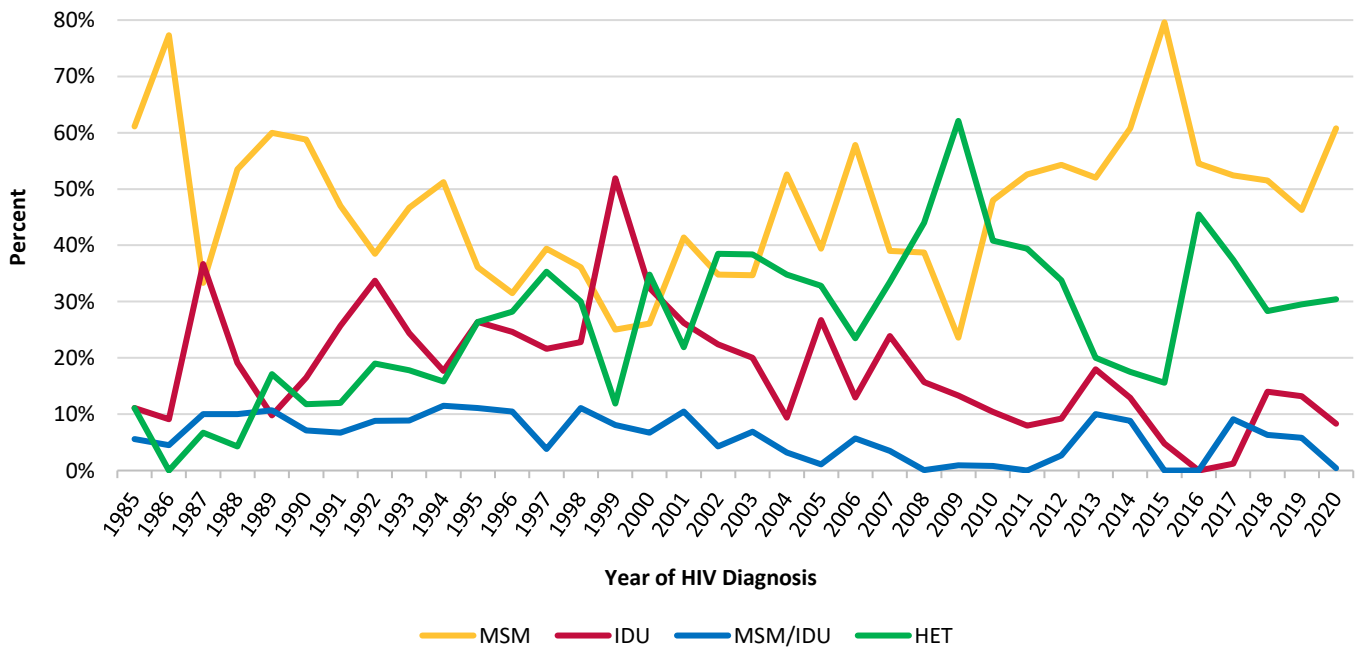
**Figure 7 – Trends in Reported HIV Diagnoses, among Residents at Diagnosis Aged 13+, by Estimated Exposure Category, 1985-2020, Reported through June 30, 2021**

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

**Reported HIV Diagnoses among People 13+ by Estimated Exposure Category, 1985-2020, Reported through June 30, 2021**



**Reported HIV Diagnoses among People Aged 13+ by Estimated Exposure Category, 1985-2020, Reported through June 30, 2021**



Other exposure category not shown<sup>§</sup> Multiple imputation was used to estimate and adjust for missing exposure category.

Reported HIV Diagnoses among People Aged 13+

Year of HIV Diagnosis	No.	% with No Reported Exposure <sup>x</sup>	Estimated Exposure Category <sup>§</sup>									
			MSM		IDU		MSM/IDU		HET		Other Exposure	
			No.	%	No.	%	No.	%	No.	%	No.	%
<1985	11	9.1%	8	72.7%	1	12.7%	1	9.1%	1	5.5%	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	53.5%	4	19.1%	2	10.0%	1	4.3%	3	13.0%
1989	42	9.5%	25	60.0%	4	9.8%	5	10.7%	7	17.1%	1	2.4%
1990	34	5.9%	20	58.8%	6	16.5%	2	7.1%	4	11.8%	2	5.9%
1991	46	4.3%	22	47.0%	12	25.7%	3	6.7%	6	12.0%	4	8.7%
1992	41	12.2%	16	38.5%	14	33.7%	4	8.8%	8	19.0%	0	0.0%
1993	45	0.0%	21	46.7%	11	24.4%	4	8.9%	8	17.8%	1	2.2%
1994	26	3.8%	13	51.2%	5	17.7%	3	11.5%	4	15.8%	1	3.8%
1995	36	2.8%	13	36.1%	10	26.4%	4	11.1%	10	26.4%	0	0.0%
1996	39	5.1%	12	31.5%	10	24.6%	4	10.5%	11	28.2%	2	5.1%
1997	32	6.3%	13	39.4%	7	21.6%	1	3.8%	11	35.3%	0	0.0%
1998	36	5.6%	13	36.1%	8	22.8%	4	11.1%	11	30.0%	0	0.0%
1999	32	12.5%	8	25.0%	17	51.9%	3	8.1%	4	11.9%	1	3.1%
2000	33	12.1%	9	26.1%	11	32.4%	2	6.7%	12	34.8%	0	0.0%
2001	42	11.9%	17	41.4%	11	26.2%	4	10.5%	9	21.9%	0	0.0%
2002	46	13.0%	16	34.8%	10	22.4%	2	4.3%	18	38.5%	0	0.0%
2003	32	6.3%	11	34.7%	6	20.0%	2	6.9%	12	38.4%	0	0.0%
2004	31	12.9%	16	52.6%	3	9.4%	1	3.2%	11	34.8%	0	0.0%
2005	36	25.0%	14	39.4%	10	26.7%	0	1.1%	12	32.8%	0	0.0%
2006	37	16.2%	21	57.8%	5	13.0%	2	5.7%	9	23.5%	0	0.0%
2007	51	45.1%	20	39.0%	12	23.9%	2	3.5%	17	33.5%	0	0.0%
2008	70	51.4%	27	38.7%	11	15.7%	0	0.1%	31	44.0%	1	1.4%
2009	33	54.5%	8	23.6%	4	13.3%	0	0.9%	21	62.1%	0	0.0%
2010	51	37.3%	25	48.0%	5	10.4%	0	0.8%	21	40.8%	0	0.0%
2011	35	28.6%	18	52.6%	3	8.0%	0	0.0%	14	39.4%	0	0.0%
2012	37	13.5%	20	54.3%	3	9.2%	1	2.7%	13	33.8%	0	0.0%
2013	30	16.7%	16	52.0%	5	18.0%	3	10.0%	6	20.0%	0	0.0%
2014	24	12.5%	15	60.8%	3	12.9%	2	8.8%	4	17.5%	0	0.0%
2015	25	8.0%	20	79.6%	1	4.8%	0	0.0%	4	15.6%	0	0.0%
2016	22	0.0%	12	54.5%	0	0.0%	0	0.0%	10	45.5%	0	0.0%
2017	34	8.8%	18	52.4%	0	1.2%	3	9.1%	13	37.4%	0	0.0%
2018	48	10.4%	25	51.5%	7	14.0%	3	6.3%	14	28.3%	0	0.0%
2019	19	21.1%	9	46.3%	3	13.2%	1	5.8%	6	29.5%	1	5.3%
2020	24	41.7%	15	60.8%	2	8.3%	0	0.4%	7	30.4%	0	0.0%
<b>Total</b>	<b>1,273</b>	<b>16.2%</b>	<b>586</b>	<b>46.0%</b>	<b>239</b>	<b>18.8%</b>	<b>73</b>	<b>5.7%</b>	<b>354</b>	<b>27.8%</b>	<b>25</b>	<b>2.0%</b>

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

<sup>x</sup>Percent with no reported exposure prior to multiple imputation adjustment.

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

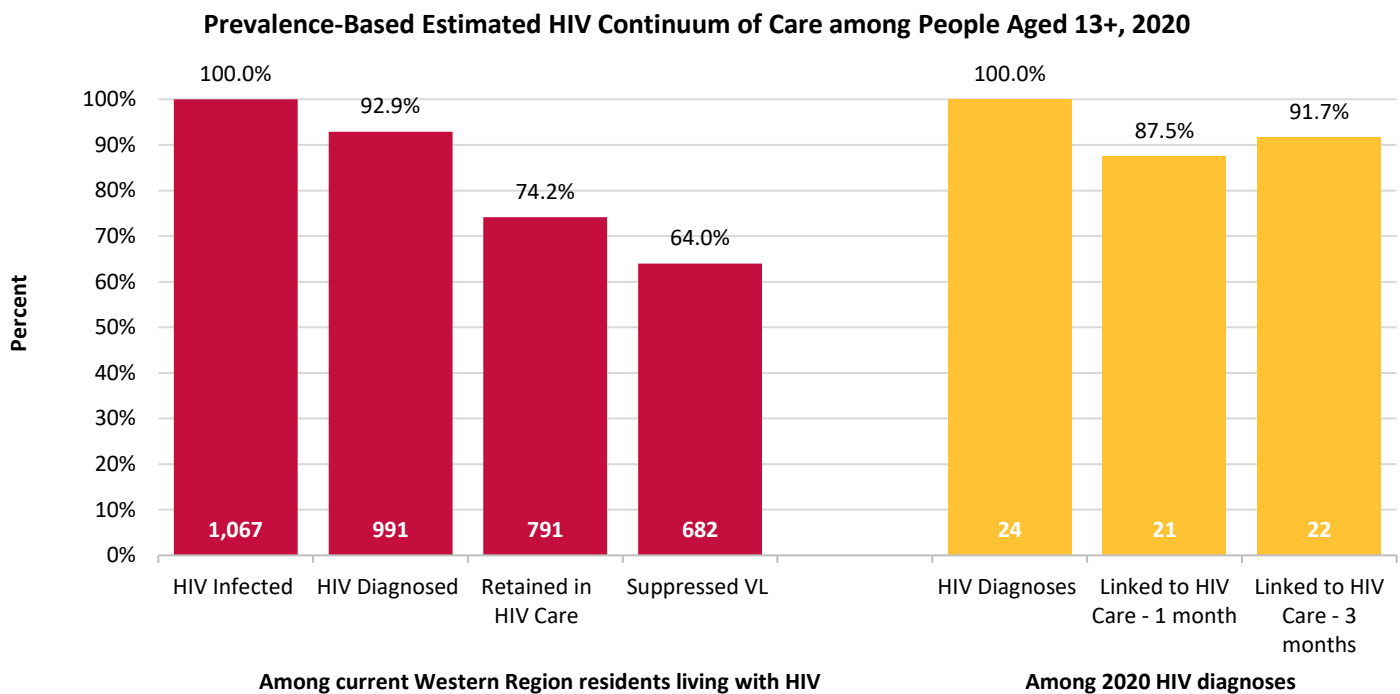
Data for 2020 should be interpreted with caution due to the impact of the COVID-19 pandemic on access to HIV testing and care-related services.

## Section III – Continuum of Care Cascades

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

**Figure 8 – Prevalence-Based Estimated 2020 HIV Continuum of Care Cascades, among Current Western Region Residents Aged 13+, Reported through June 30, 2021**

The prevalence-based Western Region Engagement in HIV Care Cascades (below) apply the CDC CD4 depletion model to Maryland surveillance data, reported through June 30, 2021, to estimate the number of people living with undiagnosed HIV (1,232) 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, 2020 and the number and percentage of new HIV diagnoses in 2020 who belong to each of the stages of engagement in HIV care.



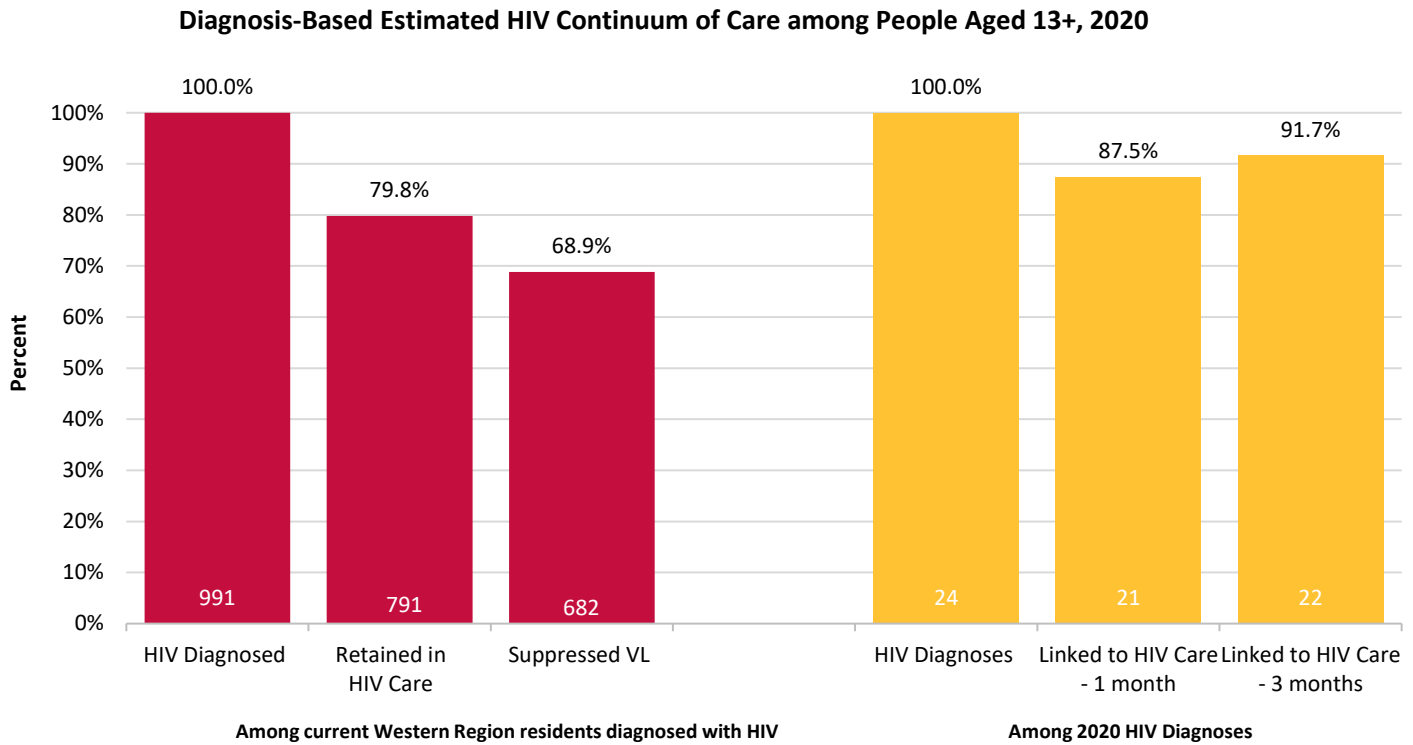
Continuum of Care Stage	People Aged 13+ Living with HIV		Continuum of Care Stage	Reported 2020 HIV Diagnoses	
	Number	Percent		Number	Percent
HIV Infected	1,067	100.0%	New HIV Diagnoses	24	100.0%
HIV Diagnosed	991	92.9%	Linked to HIV Care – 1 Month	21	87.5%
Retained in HIV Care	791	74.2%	Linked to HIV Care – 3 Months	22	91.7%
Suppressed Viral Load	682	64.0%			

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

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

**Figure 9 – Diagnosis-Based Estimated 2020 HIV Continuum of Care Cascades, among Current Western Region Residents Aged 13+, Reported through June 30, 2021**

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, 2020 and the number and percentage of new HIV diagnoses in 2020 who belong to each of the stages of engagement in HIV care.



Continuum of Care Stage	People Aged 13+ Living with HIV		Continuum of Care Stage	Reported 2020 HIV Diagnoses	
	Number	Percent		Number	Percent
HIV Diagnosed	991	100.0%	New HIV Diagnoses	24	100.0%
Retained in HIV Care	791	79.8%	Linked to HIV Care – 1 Month	21	87.5%
Suppressed Viral Load	682	68.9%	Linked to HIV Care – 3 Months	22	91.7%

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

## Section IV – By Jurisdiction

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

Jurisdiction of Residence at Diagnosis	Population Aged 13+	Reported HIV Diagnoses among People Aged 13+			Reported AIDS Diagnoses among People Aged 13+		
		No.	% of Total	Rate	No.	% of Total	Rate
Allegany	61,487	2	8.3%	3.3	1	7.1%	1.6
Frederick	221,788	14	58.3%	6.3	7	50.0%	3.2
Garrett	25,235	0	0.0%	0.0	0	0.0%	0.0
Washington	128,052	8	33.3%	6.2	6	42.9%	4.7
<b>Total</b>	<b>436,562</b>	<b>24</b>	<b>100.0%</b>	<b>5.8</b>	<b>14</b>	<b>100.0%</b>	<b>3.4</b>

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

**Table 2 – Reported HIV Diagnoses, among People Aged 13+ during 2020, Linked to Care, Late Diagnosis, First CD4 Test Result, and Mean Years from HIV Diagnosis by Jurisdiction of Residence at Diagnosis, Reported through June 30, 2021**

Jurisdiction of Residence at HIV Diagnosis	No.	Reported HIV Diagnoses among People Aged 13+				
		Linked to Care		% Late HIV Diagnoses	First CD4 Test Result	
		% 1 month	% 3 months		% with Test	Median Count
Allegany	2	***	***	***	***	***
Frederick	14	***	***	***	***	***
Garrett	0	--	--	--	--	--
Washington	8	87.5%	87.5%	62.5%	100.0%	189
<b>Total</b>	<b>24</b>	<b>87.5%</b>	<b>91.7%</b>	<b>37.5%</b>	<b>100.0%</b>	<b>230</b>

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

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

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

Jurisdiction of Residence	Population Aged 13+	Total People Aged 13+ Living with Diagnosed HIV								
		Residence at Diagnosis				Current Residence				% Change
		No.	% of Total	Rate	Ratio (1 in X)	No.	% of Total	Rate	Ratio (1 in X)	
Allegany	61,487	95	11.9%	154.5	647	141	14.2%	229.3	436	48.4%
Frederick	221,788	376	46.9%	169.5	590	470	47.4%	211.9	472	25.0%
Garrett	25,235	10	1.2%	39.6	2,524	16	1.6%	63.4	1,577	60.0%
Washington	128,052	320	40.0%	249.9	400	364	36.7%	284.3	352	13.8%
<b>Total</b>	<b>436,562</b>	<b>801</b>	<b>100.0%</b>	<b>183.5</b>	<b>545</b>	<b>991</b>	<b>100.0%</b>	<b>227.0</b>	<b>441</b>	<b>23.7%</b>

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

Jurisdiction of Current Residence	Total People Aged 13+ Living with Diagnosed HIV							
	No.	Recent CD4 Test Result						500+
		No. with Test	% with Test	Median Count	<200	200-349	350-499	
Allegany	141	127	90.1%	678	4.7%	3.1%	18.1%	74.0%
Frederick	470	349	74.3%	635	5.2%	10.0%	13.5%	71.3%
Garrett	16	14	87.5%	798	14.3%	0.0%	21.4%	64.3%
Washington	364	269	73.9%	698	6.3%	9.3%	14.5%	69.9%
<b>Total</b>	991	759	76.6%	665	5.7%	8.4%	14.8%	71.1%

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

Jurisdiction of Current Residence	Total People Aged 13+ Living with Diagnosed HIV				
	No.	Recent Viral Load Test Result			Median Unsuppressed Viral Load
		No. with Test	% with Test	% Suppressed	
Allegany	141	127	90.1%	89.0%	4,525
Frederick	470	353	75.1%	91.5%	8,908
Garrett	16	13	81.3%	92.3%	258
Washington	364	261	71.7%	89.7%	25,000
<b>Total</b>	991	754	76.1%	90.5%	6,643

## Section V – By Age

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

Age at HIV Diagnosis	Population	Reported HIV Diagnoses							
		No.	% of Total	Rate	Linked to Care		Late HIV Diagnoses	First CD4 Test Result	
					% 1 month	% 3 months	%	% with Test	Median Count
<5 (Pediatric)	28,742	0	0.0%	0.0	--	--	--	--	--
5-12 (Pediatric)	49,912	0	0.0%	0.0	--	--	--	--	--
13-19	45,281	0	0.0%	0.0	--	--	--	--	--
20-29	63,938	3	12.5%	4.7	***	***	***	***	***
30-39	67,664	12	50.0%	17.7	75.0%	83.3%	***	100.0%	271
40-49	64,785	6	25.0%	9.3	100.0%	100.0%	***	100.0%	255
50-59	72,578	3	12.5%	4.1	***	***	***	***	***
60+	122,316	0	0.0%	0.0	--	--	--	--	--
<b>Total</b>	<b>515,216</b>	<b>24</b>	<b>100.0%</b>	<b>4.7</b>	<b>87.5%</b>	<b>91.7%</b>	<b>37.5%</b>	<b>100.0%</b>	<b>230</b>

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

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

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

Age on December 31, 2020	Population	Total People Living with Diagnosed HIV			
		No.	% of Total	Rate	Ratio (1 in X)
<5 (Pediatric)	28,742	0	0.0%	0.0	--
5-12 (Pediatric)	49,912	4	0.4%	8.0	12,478
13-19	45,281	4	0.4%	8.8	11,320
20-29	63,938	74	7.4%	115.7	864
30-39	67,664	164	16.5%	242.4	413
40-49	64,785	221	22.2%	341.1	293
50-59	72,578	320	32.2%	440.9	227
60+	122,316	208	20.9%	170.1	588
<b>Total</b>	<b>515,216</b>	<b>995</b>	<b>100.0%</b>	<b>193.1</b>	<b>518</b>

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

Age on December 31, 2020	No.	Total People Aged 13+ Living with Diagnosed HIV								
		Recent CD4 Test Results					<200	200-349	350-499	500+
		No. with Test	% with Test	Median Count						
13-19	4	***	***	***	***	***	***	***	***	
20-29	74	***	***	***	***	***	***	***	***	
30-39	164	132	80.5%	737	7.6%	7.6%	11.4%	73.5%		
40-49	221	161	72.9%	667	6.8%	6.8%	14.3%	72.0%		
50-59	320	251	78.4%	679	5.2%	9.2%	15.9%	69.7%		
60+	208	158	76.0%	572	4.4%	12.0%	17.1%	66.5%		
<b>Total</b>	<b>991</b>	<b>759</b>	<b>76.6%</b>	<b>665</b>	<b>5.7%</b>	<b>8.4%</b>	<b>14.8%</b>	<b>71.1%</b>		

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



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

Age on December 31, 2020	Total People Aged 13+ Living with Diagnosed HIV				
	No.	Recent Viral Load Test Result			Median Unsuppressed Viral Load
		No. with Test	% with Test	% Suppressed	
13-19	4	***	***	***	***
20-29	74	***	***	***	***
30-39	164	130	79.3%	86.2%	7,705
40-49	221	162	73.3%	87.0%	13,200
50-59	320	250	78.1%	92.8%	50,433
60+	208	157	75.5%	94.3%	710
<b>Total</b>	991	754	76.1%	90.5%	6,643

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

## Section VI – By Demographics

**Table 10 – Reported HIV Diagnoses, among People Aged 13+ during 2020, Linked to Care, Late Diagnosis, and First CD4 Test Result by Sex at Birth, Gender, Race/Ethnicity, and Country of Birth, Reported through June 30, 2021**

Demographic Characteristics	Population Aged 13+	Reported HIV Diagnoses among People Aged 13+							
		No.	% of Total	Rate	Linked to Care		Late HIV Diagnoses	First CD4 Test Result	
					% 1 month	% 3 months	%	% with Test	Median Count
<b>Sex at Birth</b>									
Male	218,361	16	66.7%	7.3	87.5%	87.5%	37.5%	100.0%	211
Female	218,201	8	33.3%	3.7	87.5%	100.0%	***	100.0%	278
<b>Gender</b>									
Man	218,361	16	66.7%	7.3	87.5%	87.5%	37.5%	100.0%	211
Woman	218,201	8	33.3%	3.7	87.5%	100.0%	***	100.0%	278
Transgender Woman	--	0	0.0%	0.0	--	--	--	--	--
Transgender Man	--	0	0.0%	0.0	--	--	--	--	--
Another Gender Identity	--	0	0.0%	0.0	--	--	--	--	--
<b>Race/Ethnicity</b>									
<b>Hispanic</b>	29,738	2	8.3%	6.7	***	***	***	***	***
<b>Non-Hispanic</b>	406,824	22	91.7%	5.4	90.9%	95.5%	40.9%	100.0%	230
American Indian/Alaska Native, only	888	0	0.0%	0.0	--	--	--	--	--
Asian, only	14,270	1	4.2%	7.0	***	***	***	***	***
Black, only	43,471	8	33.3%	18.4	87.5%	100.0%	***	100.0%	278
Native Hawaiian/Other Pacific Islander, only	229	0	0.0%	0.0	--	--	--	--	--
White, only	339,601	10	41.7%	2.9	90.0%	90.0%	50.0%	100.0%	198
Multiracial/Other	8,365	3	12.5%	35.9	***	***	***	***	***
<b>Total</b>	436,562	24	100.0%	5.5	87.5%	91.7%	37.5%	100.0%	230
<b>Country of Birth</b>									
<b>United States</b>	388,265	17	70.8%	4.4	94.1%	94.1%	41.2%	100.0%	198
<b>Foreign-Born</b>	35,672	4	16.7%	11.2	***	***	***	***	***
Africa	--	3	12.5%	--	***	***	***	***	***
Asia	--	0	0.0%	--	--	--	--	--	--
Caribbean	--	0	0.0%	--	--	--	--	--	--
Central America	--	0	0.0%	--	--	--	--	--	--
Other	--	1	4.2%	--	***	***	***	***	***
<b>Unknown</b>	--	3	12.5%	--	***	***	***	***	***
<b>Total</b>	423,937	24	100.0%	5.7	87.5%	91.7%	37.5%	100.0%	230

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

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

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

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

Reported HIV Diagnoses among People Aged 13+								
Race/Ethnicity	Sex at Birth							
	Male				Female			
	Population 13+	No.	% of Total	Rate	Population 13+	No.	% of Total	Rate
<b>Hispanic</b>	15,436	2	12.5%	13.0	14,302	0	0.0%	0.0
<b>Non-Hispanic</b>	202,925	14	87.5%	6.9	203,899	8	100.0%	6.9
American Indian/Alaska Native, only	441	0	0.0%	0.0	447	0	0.0%	0.0
Asian, only	6,626	1	6.3%	15.1	7,644	0	0.0%	0.0
Black, only	25,780	4	25.0%	15.5	17,691	4	50.0%	22.6
Native Hawaiian/Other Pacific Islander, only	116	0	0.0%	0.0	112	0	0.0%	0.0
White, only	165,863	8	50.0%	4.8	173,738	2	25.0%	1.2
Multiracial/Other	4,098	1	6.3%	24.4	4,267	2	25.0%	46.9
<b>Total</b>	<b>218,361</b>	<b>16</b>	<b>100.0%</b>	<b>7.3</b>	<b>218,201</b>	<b>8</b>	<b>100.0%</b>	<b>7.3</b>

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

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

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

Demographic Characteristics	Population Aged 13+	Total People Aged 13+ Living with Diagnosed HIV			
		No.	% of Total	Rate	Ratio (1 in X)
<b>Sex at Birth</b>					
Male	218,361	693	69.9%	317.4	315
Female	218,201	298	30.1%	136.6	732
<b>Gender</b>					
Man	218,361	684	69.0%	313.2	319
Woman	218,201	297	30.0%	136.1	735
Transgender Woman	--	9	0.9%	--	--
Transgender Man	--	1	0.1%	--	--
Another Gender Identity	--	0	0.0%	--	--
<b>Race/Ethnicity</b>					
<b>Hispanic</b>	29,738	98	9.9%	329.5	303
<b>Non-Hispanic</b>	406,824	893	90.1%	219.5	456
American Indian/Alaska Native, only	888	0	0.0%	0.0	--
Asian, only	14,270	9	0.9%	63.1	1,586
Black, only	43,471	378	38.1%	869.5	115
Native Hawaiian/Other Pacific Islander, only	229	0	0.0%	0.0	--
White, only	339,601	437	44.1%	128.7	777
Multiracial/Other	8,365	69	7.0%	824.8	121
<b>Total</b>	<b>436,562</b>	<b>991</b>	<b>100.0%</b>	<b>227.0</b>	<b>441</b>
<b>Country of Birth</b>					
<b>United States</b>	388,265	822	82.9%	211.7	472
<b>Foreign-Born</b>	35,672	123	12.4%	344.8	290
Africa	--	74	7.5%	--	--
Asia	--	5	0.5%	--	--
Caribbean	--	7	0.7%	--	--
Central America	--	21	2.1%	--	--
Other	--	16	1.6%	--	--
<b>Unknown</b>	--	46	4.6%	--	--
<b>Total</b>	<b>423,937</b>	<b>991</b>	<b>100.0%</b>	<b>233.8</b>	<b>428</b>

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

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

Total People Aged 13+ Living with Diagnosed HIV								
Race/Ethnicity	Sex at Birth							
	Male				Female			
	Population 13+	No.	% of Total	Rate	Population 13+	No.	% of Total	Rate
<b>Hispanic</b>	15,436	75	10.8%	485.9	14,302	23	7.7%	160.8
<b>Non-Hispanic</b>	202,925	618	89.2%	304.5	203,899	275	92.3%	134.9
American Indian/Alaska Native, only	441	0	0.0%	0.0	447	0	0.0%	0.0
Asian, only	6,626	7	1.0%	105.6	7,644	2	0.7%	26.2
Black, only	25,780	220	31.7%	853.4	17,691	158	53.0%	893.1
Native Hawaiian/Other Pacific Islander, only	116	0	0.0%	0.0	112	0	0.0%	0.0
White, only	165,863	348	50.2%	209.8	173,738	89	29.9%	51.2
Multiracial/Other	4,098	43	6.2%	1,049.2	4,267	26	8.7%	609.4
<b>Total</b>	<b>218,361</b>	<b>693</b>	<b>100.0%</b>	<b>317.4</b>	<b>218,201</b>	<b>298</b>	<b>100.0%</b>	<b>136.6</b>

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

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

Demographic Characteristics	Total People Aged 13+ Living with Diagnosed HIV							
	No.	Recent CD4 Test Result						
		No. with Test	% with Test	Median Count	<200	200-349	350-499	500+
<b>Sex at Birth</b>								
Male	693	528	76.2%	657	4.9%	8.9%	14.4%	71.8%
Female	298	231	77.5%	674	7.4%	7.4%	15.6%	69.7%
<b>Gender</b>								
Man	684	521	76.2%	660	4.8%	8.8%	14.4%	72.0%
Woman	297	230	77.4%	672	7.4%	7.4%	15.7%	69.6%
Transgender Woman	9	***	***	***	***	***	***	***
Transgender Man	1	***	***	***	***	***	***	***
Another Gender Identity	0	--	--	--	--	--	--	--
<b>Race/Ethnicity</b>								
<b>Hispanic</b>	98	70	71.4%	679	2.9%	8.6%	11.4%	77.1%
<b>Non-Hispanic</b>	893	689	77.2%	656	6.0%	8.4%	15.1%	70.5%
American Indian/Alaska Native, only	0	--	--	--	--	--	--	--
Asian, only	9	7	77.8%	778	0.0%	28.6%	0.0%	71.4%
Black, only	378	290	76.7%	620	5.5%	9.0%	16.6%	69.0%
Native Hawaiian/Other Pacific Islander, only	0	--	--	--	--	--	--	--
White, only	437	332	76.0%	684	6.6%	6.6%	13.6%	73.2%
Multiracial/Other	69	60	87.0%	616	5.0%	13.3%	18.3%	63.3%
<b>Country of Birth</b>								
<b>United States</b>	822	645	78.5%	665	5.7%	7.9%	15.8%	70.5%
<b>Foreign-Born</b>	123	87	70.7%	630	6.9%	11.5%	9.2%	72.4%
Africa	74	53	71.6%	605	9.4%	7.5%	13.2%	69.8%
Asia	5	5	100.0%	508	20.0%	20.0%	0.0%	60.0%
Caribbean	7	7	100.0%	680	0.0%	28.6%	0.0%	71.4%
Central America	21	13	61.9%	875	0.0%	7.7%	7.7%	84.6%
Other	16	9	56.3%	764	0.0%	22.2%	0.0%	77.8%
<b>Unknown</b>	46	27	58.7%	797	0.0%	11.1%	7.4%	81.5%
<b>Total</b>	991	759	76.6%	665	5.7%	8.4%	14.8%	71.1%

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

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

Demographic Characteristics	Total People Aged 13+ Living with Diagnosed HIV				
	No.	Recent Viral Load Test Result			Median Unsuppressed Viral Load
		No. with Test	% with Test	% Suppressed	
<b>Sex at Birth</b>					
Male	693	527	76.0%	90.9%	5,943
Female	298	227	76.2%	89.4%	8,335
<b>Gender</b>					
Man	684	520	76.0%	91.0%	4,670
Woman	297	226	76.1%	89.4%	8,335
Transgender Woman	9	***	***	***	***
Transgender Man	1	***	***	***	***
Another Gender Identity	0	--	--	--	--
<b>Race/Ethnicity</b>					
<b>Hispanic</b>	98	69	70.4%	95.7%	23,200
<b>Non-Hispanic</b>	893	685	76.7%	89.9%	6,070
American Indian/Alaska Native, only	0	--	--	--	--
Asian, only	9	7	77.8%	85.7%	7,215
Black, only	378	288	76.2%	87.2%	4,670
Native Hawaiian/Other Pacific Islander, only	0	--	--	--	--
White, only	437	329	75.3%	92.7%	38,400
Multiracial/Other	69	61	88.4%	88.5%	12,939
<b>Country of Birth</b>					
<b>United States</b>	822	637	77.5%	90.3%	8,585
<b>Foreign-Born</b>	123	89	72.4%	92.1%	4,810
Africa	74	54	73.0%	87.0%	4,810
Asia	5	5	100.0%	100.0%	--
Caribbean	7	7	100.0%	100.0%	--
Central America	21	13	61.9%	100.0%	--
Other	16	10	62.5%	100.0%	--
<b>Unknown</b>	46	28	60.9%	89.3%	7,215
<b>Total</b>	991	754	76.1%	90.5%	6,643

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

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

		Total Males Living with Diagnosed HIV				Total Males by Age Group
		Race/Ethnicity				
Age on December 31, 2020		Hispanic	Non-Hispanic Black, only	Non-Hispanic White, only	Non-Hispanic Other Race	
<13 (Pediatric)	Population	5,101	4,203	26,480	4,346	40,130
	Number	0	1	0	0	1
	Rate	0.0	23.8	0.0	0.0	2.5
	Ratio (1 in X)	--	4,203	--	--	40,130
13-19	Population	2,386	2,868	15,776	2,240	23,270
	Number	0	1	1	0	2
	Rate	0.0	34.9	6.3	0.0	8.6
	Ratio (1 in X)	--	2,868	15,776	--	11,635
20-29	Population	2,940	5,834	23,119	2,125	34,018
	Number	11	24	23	4	62
	Rate	374.1	411.4	99.5	188.2	182.3
	Ratio (1 in X)	267	243	1,005	531	549
30-39	Population	3,701	5,607	24,195	1,924	35,427
	Number	17	38	49	7	111
	Rate	459.3	677.7	202.5	363.8	313.3
	Ratio (1 in X)	218	148	494	275	319
40-49	Population	3,215	4,951	23,232	1,931	33,329
	Number	23	42	64	10	139
	Rate	715.4	848.3	275.5	517.9	417.1
	Ratio (1 in X)	140	118	363	193	240
50-59	Population	1,867	3,742	29,263	1,388	36,260
	Number	16	77	113	15	221
	Rate	857.0	2,057.7	386.2	1,080.7	609.5
	Ratio (1 in X)	117	49	259	93	164
60+	Population	1,327	2,778	50,278	1,674	56,057
	Number	8	38	98	14	158
	Rate	602.9	1,367.9	194.9	836.3	281.9
	Ratio (1 in X)	166	73	513	120	355
Total Males by Race/Ethnicity	Population	20,537	29,983	192,343	15,628	258,491
	Number	75	221	348	50	694
	Rate	365.2	737.1	180.9	319.9	268.5
	Ratio (1 in X)	274	136	553	313	372



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

Age on December 31, 2020		Total Females Living with Diagnosed HIV				Total Females by Age Group
		Race/Ethnicity				
		Hispanic	Non-Hispanic Black, only	Non-Hispanic White, only	Non-Hispanic Other Race	
<13 (Pediatric)	Population	4,975	4,188	25,245	4,116	38,524
	Number	0	3	0	0	3
	Rate	0.0	71.6	0.0	0.0	7.8
	Ratio (1 in X)	--	1,396	--	--	12,841
13-19	Population	2,433	2,613	14,801	2,164	22,011
	Number	0	1	0	1	2
	Rate	0.0	38.3	0.0	46.2	9.1
	Ratio (1 in X)	--	2,613	--	2,164	11,005
20-29	Population	2,671	3,087	21,981	2,181	29,920
	Number	0	9	2	1	12
	Rate	0.0	291.5	9.1	45.9	40.1
	Ratio (1 in X)	--	343	10,991	2,181	2,493
30-39	Population	3,028	3,132	23,754	2,323	32,237
	Number	5	25	19	4	53
	Rate	165.1	798.2	80.0	172.2	164.4
	Ratio (1 in X)	606	125	1,250	581	608
40-49	Population	2,763	3,054	23,394	2,245	31,456
	Number	8	44	25	5	82
	Rate	289.5	1,440.7	106.9	222.7	260.7
	Ratio (1 in X)	345	69	936	449	384
50-59	Population	1,773	2,702	30,272	1,571	36,318
	Number	8	54	26	11	99
	Rate	451.2	1,998.5	85.9	700.2	272.6
	Ratio (1 in X)	222	50	1,164	143	367
60+	Population	1,634	3,103	59,536	1,986	66,259
	Number	2	25	17	6	50
	Rate	122.4	805.7	28.6	302.1	75.5
	Ratio (1 in X)	817	124	3,502	331	1,325
Total Females by Race/Ethnicity	Population	19,277	21,879	198,983	16,586	256,725
	Number	23	161	89	28	301
	Rate	119.3	735.9	44.7	168.8	117.2
	Ratio (1 in X)	838	136	2,236	592	853

## Section VII – By HIV Exposure Category

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

Estimated or Reported Exposure Category	Reported HIV Diagnoses among People Aged 13+						
	No.	% of Total	Linked to Care		Late HIV Diagnoses	First CD4 Test Result	
			% 1 month	% 3 months	%	% with Test	Median Count
Male-to-male Sexual Contact (MSM)	15	60.8%	86.3%	86.3%	38.4%	100.0%	198
Injection Drug Use (IDU)	2	8.3%	***	***	***	***	***
Male-to-male Sexual Contact and Injection Drug Use (MSM/IDU)	0	0.0%	--	--	--	--	--
Heterosexual Contact (HET)	7	30.4%	***	***	***	***	***
Perinatal Transmission	0	0.0%	--	--	--	--	--
Other Exposure	0	0.0%	--	--	--	--	--
No Estimated or Reported Exposure	0	0.0%	--	--	--	--	--
<b>Total</b>	<b>24</b>	<b>100.0%</b>	<b>87.5%</b>	<b>91.7%</b>	<b>37.5%</b>	<b>100.0%</b>	<b>230</b>
<b>Male Estimated or Reported Exposure Category</b>							
Male-to-male Sexual Contact (MSM)	15	91.3%	***	***	***	***	***
Injection Drug Use (IDU)	0	1.9%	100.0%	100.0%	66.7%	100.0%	67
Male-to-male Sexual Contact and Injection Drug Use (MSM/IDU)	0	0.0%	--	--	--	--	--
Heterosexual Contact (HET)	1	6.3%	***	***	***	***	***
Perinatal Transmission	0	0.0%	--	--	--	--	--
Other Exposure	0	0.0%	--	--	--	--	--
No Estimated or Reported Exposure	0	0.0%	--	--	--	--	--
<b>Total</b>	<b>16</b>	<b>100.0%</b>	<b>87.5%</b>	<b>87.5%</b>	<b>37.5%</b>	<b>100.0%</b>	<b>211</b>
<b>Female Estimated or Reported Exposure Category</b>							
Injection Drug Use (IDU)	2	21.3%	***	***	***	***	***
Heterosexual Contact (HET)	6	78.8%	***	***	***	***	***
Perinatal Transmission	0	0.0%	--	--	--	--	--
Other Exposure	0	0.0%	--	--	--	--	--
No Estimated or Reported Exposure	0	0.0%	--	--	--	--	--
<b>Total</b>	<b>8</b>	<b>100.0%</b>	<b>87.5%</b>	<b>100.0%</b>	<b>37.5%</b>	<b>100.0%</b>	<b>278</b>

Note. Data for 2020 are preliminary because they are based on a 6-month reporting delay and should not be used to assess trends. Data have been statistically adjusted to account for missing transmission category, therefore, values may not sum to column total. Exposure category estimates are rounded to whole numbers after percentages are calculated. This may be more noticeable in the precision of estimates calculated for small numbers of people. Median count is weighted based on statistical adjustment. For exposure category by gender, please see the Maryland HIV Epidemiological Profile Gender Diverse People Supplement.

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

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

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

Estimated or Reported Exposure Category	Total People Aged 13+ Living with Diagnosed HIV	
	No.	% of Total
Male-to-male Sexual Contact (MSM)	454	45.8%
Injection Drug Use (IDU)	136	13.7%
Male-to-male Sexual Contact and Injection Drug Use (MSM/IDU)	50	5.0%
Heterosexual Contact (HET)	336	33.9%
Perinatal Transmission	9	0.9%
Other Exposure	2	0.2%
No Estimated or Reported Exposure	5	0.5%
<b>Total</b>	<b>991</b>	<b>100.0%</b>

Male Estimated or Reported Exposure Category		
Male-to-male Sexual Contact (MSM)	454	65.5%
Injection Drug Use (IDU)	78	11.3%
Male-to-male Sexual Contact and Injection Drug Use (MSM/IDU)	50	7.1%
Heterosexual Contact (HET)	102	14.7%
Perinatal Transmission	6	0.9%
Other Exposure	1	0.1%
No Estimated or Reported Exposure	3	0.4%
<b>Total</b>	<b>693</b>	<b>100.0%</b>

Female Estimated or Reported Exposure Category		
Injection Drug Use (IDU)	58	19.4%
Heterosexual Contact (HET)	234	78.6%
Perinatal Transmission	3	1.0%
Other Exposure	1	0.3%
No Estimated or Reported Exposure	2	0.7%
<b>Total</b>	<b>298</b>	<b>100.0%</b>

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

**Table 20 – People Aged 13+ Living with Diagnosed HIV by Estimated or Reported Exposure Category, Race/Ethnicity, and Sex at Birth, Alive on December 31, 2020, and Reported through June 30, 2021**

Estimated or Reported Exposure Category	Total People Aged 13+ Living with Diagnosed HIV					
	Race/Ethnicity					
	Hispanic		Non-Hispanic, Black, only		Non-Hispanic, White, only	
	No.	% of Total	No.	% of Total	No.	% of Total
Male-to-male Sexual Contact (MSM)	51	51.8%	95	25.1%	268	61.2%
Injection Drug Use (IDU)	10	9.9%	62	16.5%	55	12.5%
Male-to-male Sexual Contact and Injection Drug Use (MSM/IDU)	4	4.3%	15	4.1%	29	6.5%
Heterosexual Contact (HET)	31	31.9%	198	52.2%	82	18.8%
Perinatal Transmission	1	1.0%	6	1.6%	1	0.2%
Other Exposure	0	0.0%	0	0.0%	1	0.2%
No Estimated or Reported Exposure	1	1.0%	2	0.5%	2	0.5%
<b>Total</b>	<b>98</b>	<b>100.0%</b>	<b>378</b>	<b>100.0%</b>	<b>438</b>	<b>100.0%</b>
<b>Male Estimated or Reported Exposure Category</b>						
Male-to-male Sexual Contact (MSM)	51	67.7%	95	43.1%	268	76.9%
Injection Drug Use (IDU)	7	9.6%	44	19.9%	25	7.2%
Male-to-male Sexual Contact and Injection Drug Use (MSM/IDU)	4	5.6%	15	7.0%	29	8.2%
Heterosexual Contact (HET)	11	14.4%	61	27.8%	25	7.2%
Perinatal Transmission	1	1.3%	4	1.8%	0	0.0%
Other Exposure	0	0.0%	0	0.0%	1	0.3%
No Estimated or Reported Exposure	1	1.3%	1	0.5%	1	0.3%
<b>Total</b>	<b>75</b>	<b>100.0%</b>	<b>220</b>	<b>100.0%</b>	<b>349</b>	<b>100.0%</b>
<b>Female Estimated or Reported Exposure Category</b>						
Injection Drug Use (IDU)	3	10.9%	19	11.8%	30	33.4%
Heterosexual Contact (HET)	21	89.1%	136	86.3%	57	64.4%
Perinatal Transmission	0	0.0%	2	1.3%	1	1.1%
Other Exposure	0	0.0%	0	0.0%	0	0.0%
No Estimated or Reported Exposure	0	0.0%	1	0.6%	1	1.1%
<b>Total</b>	<b>24</b>	<b>100.0%</b>	<b>158</b>	<b>100.0%</b>	<b>89</b>	<b>100.0%</b>

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

**Table 21 – CD4 Test Results during 2020 for People Aged 13+ Living with Diagnosed HIV, Alive on December 31, 2020, by Estimated or Reported Exposure Category, Reported through June 30, 2021**

Estimated or Reported Exposure Category	Total People Aged 13+ with Living Diagnosed HIV							
	No.	Recent CD4 Test Results						500+
		No. with Test	% with Test	Median Count	<200	200-349	350-499	
Male-to-male Sexual Contact (MSM)	454	342	75.4%	680	4.2%	7.5%	13.4%	75.0%
Injection Drug Use (IDU)	136	115	84.6%	621	6.8%	10.2%	14.5%	68.5%
Male-to-male Sexual Contact and Injection Drug Use (MSM/IDU)	50	38	76.0%	593	8.2%	5.6%	22.3%	63.8%
Heterosexual Contact (HET)	336	251	74.8%	662	5.5%	9.8%	15.6%	69.1%
Perinatal Transmission	9	8	88.9%	577	37.5%	0.0%	12.5%	50.0%
Other Exposure	2	***	***	***	***	***	***	***
No Estimated or Reported Exposure	5	***	***	***	***	***	***	***
<b>Total</b>	<b>991</b>	<b>759</b>	<b>76.6%</b>	<b>665</b>	<b>5.7%</b>	<b>8.4%</b>	<b>14.8%</b>	<b>71.1%</b>

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

Estimated or Reported Exposure Category	Total People Aged 13+ with Living Diagnosed HIV				
	No.	Recent Viral Load Test Results			Median Unsuppressed Viral Load
		No. with Test	% with Test	% Suppressed	
Male-to-male Sexual Contact (MSM)	454	343	75.7%	92.3%	10,077
Injection Drug Use (IDU)	136	115	84.7%	89.0%	729
Male-to-male Sexual Contact and Injection Drug Use (MSM/IDU)	50	37	74.1%	85.8%	23,200
Heterosexual Contact (HET)	336	249	74.0%	90.2%	5,650
Perinatal Transmission	9	6	66.7%	66.7%	548,620
Other Exposure	2	***	***	***	***
No Estimated or Reported Exposure	5	***	***	***	***
<b>Total</b>	<b>991</b>	<b>754</b>	<b>76.1%</b>	<b>90.5%</b>	<b>6,643</b>

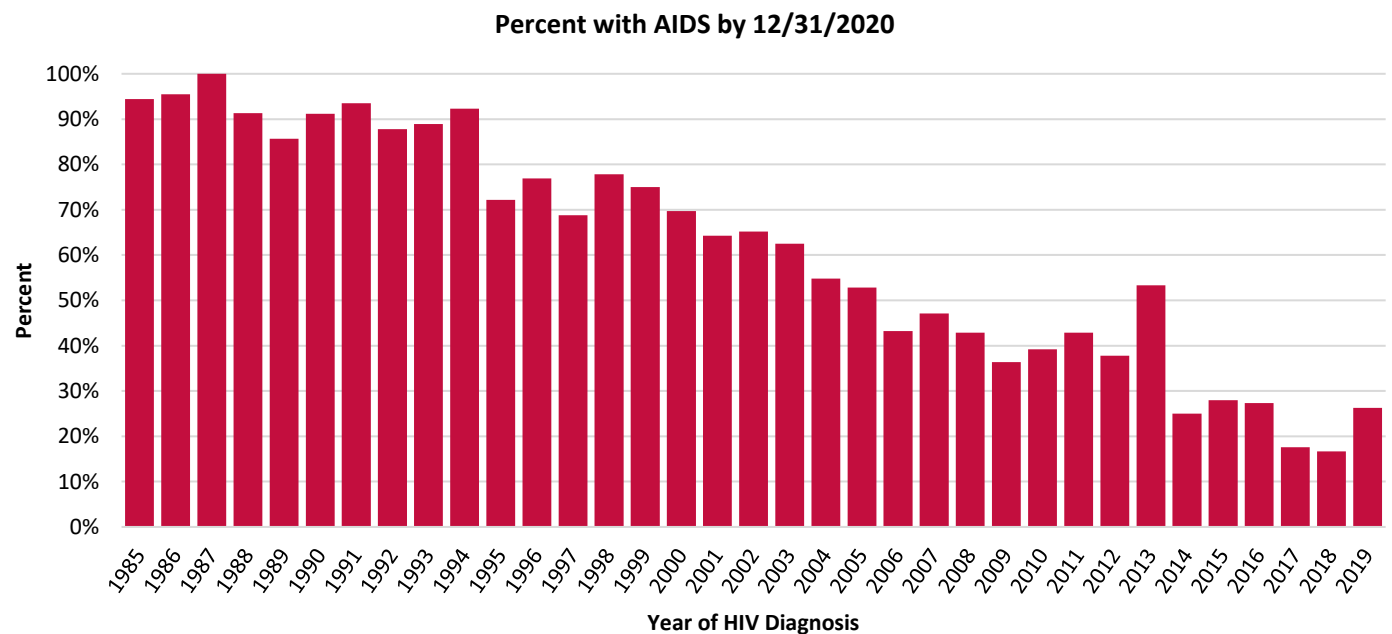
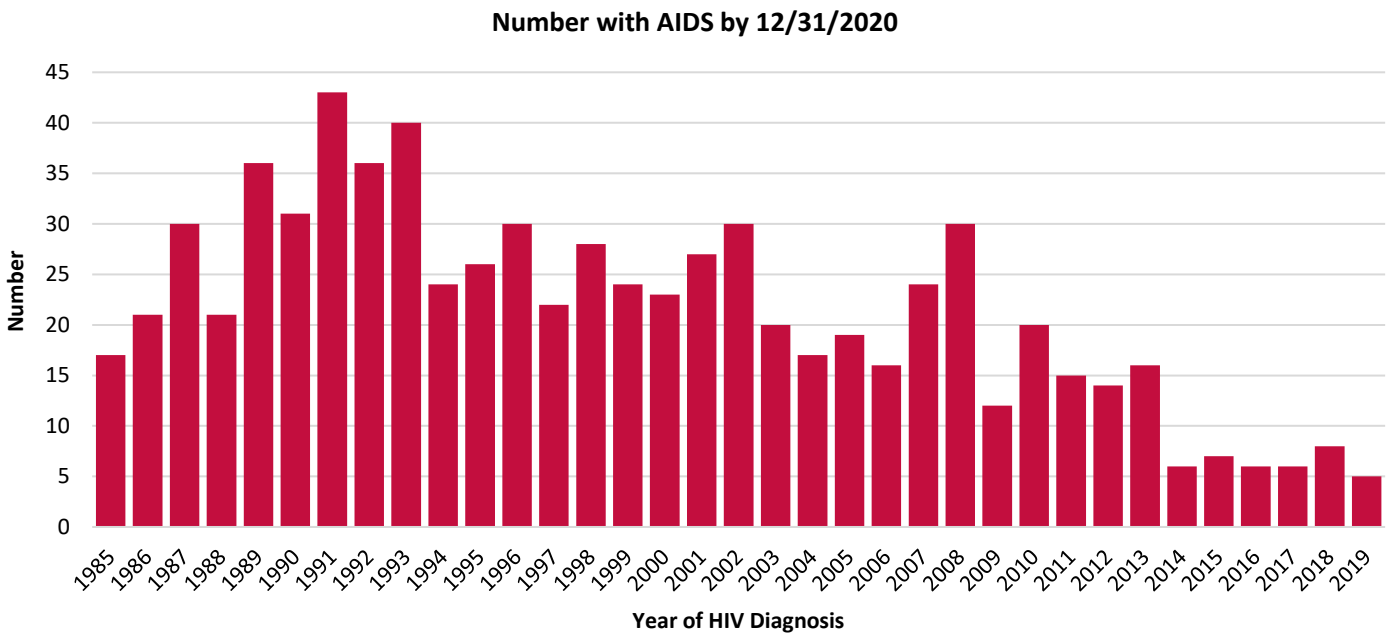
Note. Data have been statistically adjusted to account for missing transmission category, therefore, values may not sum to column total. Median unsuppressed is weighted based on statistical adjustment.

\*\*\* 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, 1985-2019, Reported through June 30, 2021**

Number of People Aged 13+ with Diagnosed HIV, Aged 13+ at HIV Diagnosis, (Reported HIV Diagnoses among People Aged 13+), Number of People Aged 13+ with Diagnosed HIV with an AIDS Diagnosis by December 31, 2020 (Reported AIDS Diagnoses), Percent by Year of HIV Diagnosis of Reported HIV Diagnoses with a Reported AIDS Diagnosis among People Aged 13+ by December 31, 2020, the Average Years from HIV Diagnosis to AIDS Diagnosis for People with an AIDS Diagnosis, and the Percent by Year of HIV Diagnosis of Reported HIV Diagnoses with a Reported AIDS Diagnosis among People Aged 13+ at 1 Year, 2 Years, 5 Years, and 10 Years after HIV Diagnosis, by Year of HIV Diagnosis from 1985 through 2019, Reported through June 30, 2021

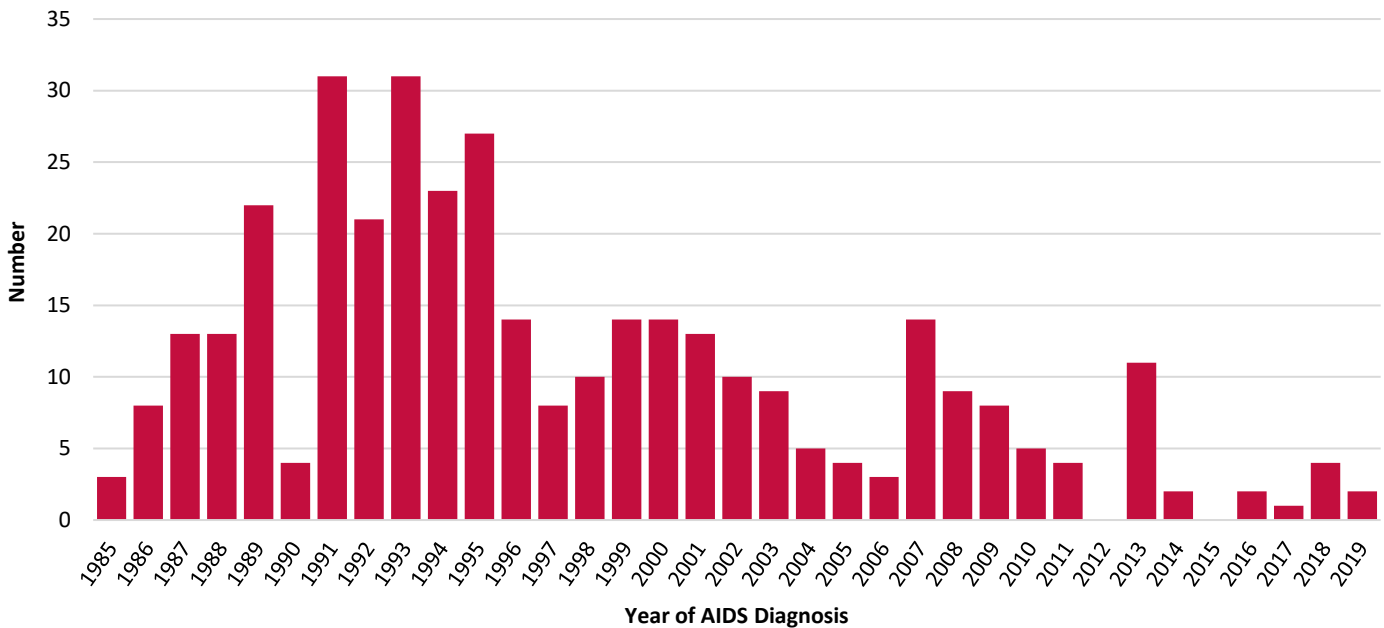


Reported HIV Diagnoses among People Aged 13+								
Year of HIV Diagnosis	No.	Reported AIDS Diagnoses			Percent with AIDS by Years After HIV Diagnosis			
		No.	% with AIDS	Mean Years from HIV to AIDS	1 Year	2 Years	5 Years	10 Years
<1985	11	11	100.0%	5.4	54.5%	54.5%	63.6%	72.7%
1985	18	17	94.4%	7.4	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	42	36	85.7%	3.0	47.6%	52.4%	64.3%	78.6%
1990	34	31	91.2%	4.2	26.5%	38.2%	67.6%	79.4%
1991	46	43	93.5%	3.3	45.7%	52.2%	71.7%	82.6%
1992	41	36	87.8%	2.8	41.5%	56.1%	75.6%	80.5%
1993	45	40	88.9%	2.2	51.1%	64.4%	80.0%	82.2%
1994	26	24	92.3%	3.1	61.5%	69.2%	73.1%	84.6%
1995	36	26	72.2%	3.8	41.7%	44.4%	50.0%	66.7%
1996	39	30	76.9%	3.3	46.2%	48.7%	61.5%	69.2%
1997	32	22	68.8%	3.1	43.8%	46.9%	50.0%	62.5%
1998	36	28	77.8%	1.3	66.7%	69.4%	69.4%	72.2%
1999	32	24	75.0%	3.0	46.9%	46.9%	62.5%	65.6%
2000	33	23	69.7%	2.0	51.5%	51.5%	60.6%	63.6%
2001	42	27	64.3%	2.7	42.9%	45.2%	52.4%	59.5%
2002	46	30	65.2%	2.5	39.1%	39.1%	56.5%	60.9%
2003	32	20	62.5%	2.8	37.5%	43.8%	46.9%	59.4%
2004	31	17	54.8%	1.0	48.4%	48.4%	51.6%	54.8%
2005	36	19	52.8%	1.4	36.1%	44.4%	47.2%	50.0%
2006	37	16	43.2%	1.5	29.7%	32.4%	40.5%	40.5%
2007	51	24	47.1%	0.6	41.2%	41.2%	47.1%	47.1%
2008	70	30	42.9%	1.3	31.4%	32.9%	38.6%	42.9%
2009	33	12	36.4%	1.9	27.3%	27.3%	30.3%	33.3%
2010	51	20	39.2%	1.2	31.4%	33.3%	35.3%	37.3%
2011	35	15	42.9%	0.8	40.0%	40.0%	40.0%	--
2012	37	14	37.8%	1.9	24.3%	27.0%	29.7%	--
2013	30	16	53.3%	0.4	46.7%	46.7%	53.3%	--
2014	24	6	25.0%	1.3	16.7%	16.7%	20.8%	--
2015	25	7	28.0%	1.6	20.0%	20.0%	24.0%	--
2016	22	6	27.3%	0.7	18.2%	22.7%	--	--
2017	34	6	17.6%	0.0	17.6%	17.6%	--	--
2018	48	8	16.7%	0.1	16.7%	16.7%	--	--
2019	19	5	26.3%	0.8	21.1%	--	--	--
<b>Total</b>	<b>1,249</b>	<b>761</b>	<b>60.9%</b>	<b>2.7</b>	<b>37.9%</b>	<b>41.4%</b>	<b>49.4%</b>	<b>55.6%</b>

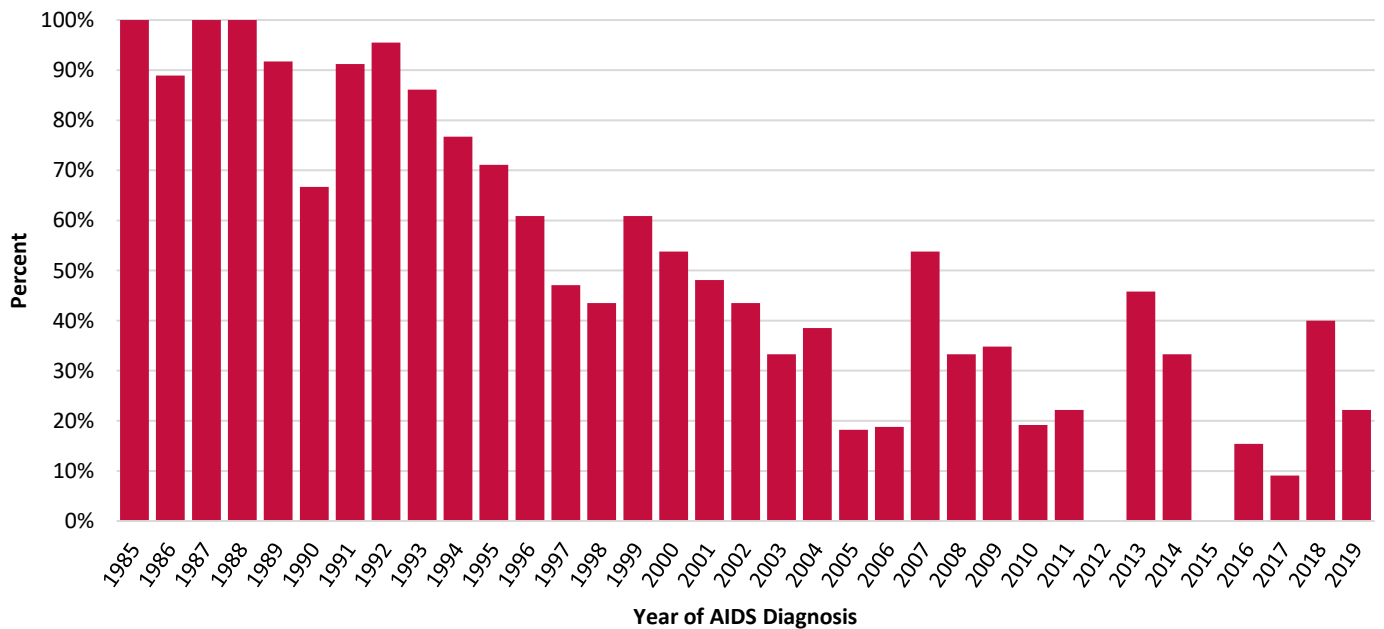
**Figure 11 – Trends in Survival Times by Year of AIDS Diagnosis, 1985-2019, Reported through June 30, 2021**

Number of People Aged 13+ with Diagnosed HIV, Aged 13+ at HIV Diagnosis, with an AIDS Diagnosis by December 31, 2019 (Reported AIDS Diagnoses), Number of Reported AIDS Diagnosis among People Aged 13+ Reported to Have Died of Any Cause by December 31, 2020 (Reported AIDS Deaths), Percent by Year of AIDS Diagnosis of Reported AIDS Diagnoses with a Reported AIDS Death (Percent Dead) among People Aged 13+ by December 31, 2020, the Average Years from AIDS Diagnosis to Death for People that have Died, and the Percent by Year of AIDS Diagnosis of Reported AIDS Diagnoses among People Aged 13+ Not Reported to Have Died (Percent Alive) at 1 Year, 2 Years, 5 Years, and 10 Years after AIDS Diagnosis, by Year of AIDS Diagnosis from 1985 through 2019, Reported through June 30, 2021

**Number Deceased by 12/31/2020**



**Percent Deceased by 12/31/2020**





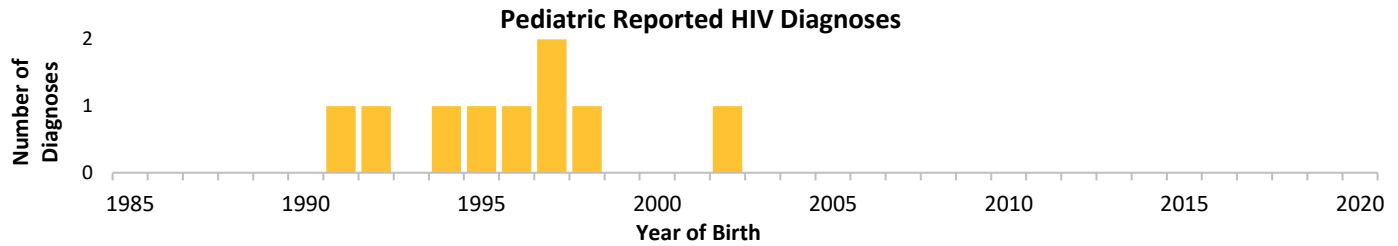
Year of AIDS Diagnosis	Reported AIDS Diagnoses among People Aged 13+							
	No.	Reported AIDS Deaths			Percent Alive by Years After AIDS Diagnosis			
		No.	% Deceased	Mean Years from AIDS to Death	1 Year	2 Years	5 Years	10 Years
<1985	6	6	100.0%	1.4	33.3%	16.7%	16.7%	0.0%
1985	3	3	100.0%	1.0	66.7%	0.0%	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	34	31	91.2%	3.0	76.5%	52.9%	29.4%	17.6%
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	38	27	71.1%	7.3	81.6%	76.3%	68.4%	52.6%
1996	23	14	60.9%	7.8	87.0%	87.0%	78.3%	56.5%
1997	17	8	47.1%	9.6	100.0%	94.1%	82.4%	70.6%
1998	23	10	43.5%	8.0	95.7%	95.7%	82.6%	65.2%
1999	23	14	60.9%	8.0	100.0%	91.3%	82.6%	52.2%
2000	26	14	53.8%	8.2	84.6%	84.6%	76.9%	73.1%
2001	27	13	48.1%	6.8	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	9	33.3%	7.0	88.9%	88.9%	88.9%	74.1%
2004	13	5	38.5%	9.9	100.0%	100.0%	92.3%	84.6%
2005	22	4	18.2%	10.9	95.5%	95.5%	95.5%	95.5%
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	27	9	33.3%	5.1	88.9%	88.9%	88.9%	70.4%
2009	23	8	34.8%	5.0	91.3%	91.3%	87.0%	69.6%
2010	26	5	19.2%	4.8	96.2%	92.3%	92.3%	84.6%
2011	18	4	22.2%	1.8	88.9%	88.9%	77.8%	--
2012	14	0	0.0%	.	100.0%	100.0%	100.0%	--
2013	24	11	45.8%	1.5	70.8%	62.5%	62.5%	--
2014	6	2	33.3%	0.2	66.7%	66.7%	66.7%	--
2015	4	0	0.0%	.	100.0%	100.0%	100.0%	--
2016	13	2	15.4%	2.6	92.3%	92.3%	--	--
2017	11	1	9.1%	0.7	90.9%	90.9%	--	--
2018	10	4	40.0%	0.7	70.0%	70.0%	--	--
2019	9	2	22.2%	0.2	77.8%	--	--	--
<b>Total</b>	<b>685</b>	<b>368</b>	<b>53.7%</b>	<b>4.8</b>	<b>83.9%</b>	<b>75.9%</b>	<b>66.0%</b>	<b>55.2%</b>

\*2019 AIDS deaths are preliminary

## Section IX – Pediatrics

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

Number of Pediatric HIV Diagnoses, Age <13 at HIV Diagnosis, (Pediatric Reported HIV Diagnoses) by Year of Birth, by Year of HIV Diagnosis, by Year of AIDS Diagnosis, and by Year of Death Due to Any Cause, and Number of Children with Diagnosed HIV, Age <13 at HIV Diagnosis, and Not Reported to have Died as of December 31<sup>st</sup> of Each Year (Total Living Pediatric Diagnoses) from 1985 through 2020, as Reported by Name through June 30, 2021



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
2020	0	0	0	0	10
<b>Total</b>	<b>12</b>	<b>12</b>	<b>7</b>	<b>6</b>	<b>--</b>

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

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

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

Demographic Characteristic	Total People Aged <13 Living with Diagnosed HIV	
	No.	% of Total
<b>Sex at Birth</b>		
Male	1	25.0%
Female	3	75.0%
<b>Race/Ethnicity</b>		
<b>Hispanic</b>	0	0.0%
<b>Non-Hispanic</b>	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%
<b>Total</b>	<b>4</b>	<b>100.0%</b>

## Glossary of Terms

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

**Population:** Population estimate for July 1, 2020.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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