2020

MARYLAND ANNUAL HIV EPIDEMIOLOGICAL PROFILE

GENDER DIVERSE PEOPLE SUPPLEMENT

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

Maryland
DEPARTMENT OF HEALTH

Acknowledgements

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

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Suggested Citation

Maryland Annual HIV Epidemiological Profile Gender Diverse People Supplement 2020. Center for HIV Surveillance, Epidemiology and Evaluation, Maryland Department of Health, Baltimore, MD. 2021.

On the Web

https://health.maryland.gov/phpa/OIDEOR/CHSE/SiteAssets/Pages/statistics/Maryland-Annual-HIV-Epidemiological-Profile-Gender-Diverse-People-Supplement-2020.pdf

Additional Information and Reporting Instructions

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

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Section I – Summary of Analyses and Technical Notes

Highlights of Analyses

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

HIV Diagnoses

During 2020, there were 12 reported HIV diagnoses among gender diverse people in Maryland. Data presented below describe HIV diagnoses in Maryland, among gender diverse people age 13 years and older, during 2020.

- Geographic distribution: Baltimore City accounted for the highest number (7, 58.3%) of HIV diagnoses.
- Age: Persons aged 20-29 years accounted for the highest number (8, 66.7%) of HIV diagnoses among gender diverse people.
- Gender Identity: Transgender women accounted for the highest number (11, 91.7%) of HIV diagnoses among gender diverse people during 2020.
- Race/Ethnicity: Non-Hispanic Black people accounted for the highest number (9, 81.8%) of HIV diagnoses.
- Exposure Category: Sexual contact accounted for all HIV diagnoses.

People Living with Diagnosed HIV

At the end of 2020, there were 359 gender diverse people living with diagnosed HIV in Maryland. Data presented below describe gender diverse people living with diagnosed HIV, aged 13 years and older, in Maryland.

- Geographic distribution: Baltimore City accounted for the highest number (180, 50.1%) of people living with diagnosed HIV.
- Age: Persons aged 20-39 years accounted for the highest number (234, 65.2%) of people living with diagnosed.
- Gender Identity: Transgender women accounted for the highest number (336, 93.6%) of people living with diagnosed HIV.
- Race/Ethnicity: Non-Hispanic Black people accounted for the highest number (269, 86.5%) of the people living with diagnosed HIV.
- Exposure Category: Sexual contact accounted for the highest number (313, 87.1%) of the total people living with diagnosed HIV.

Engagement in HIV Care

- HIV diagnosed: Among people living with HIV in Maryland, it is estimated that 89.9 percent have been diagnosed and an estimated 40 people with HIV remain undiagnosed.
- Linked to care: During 2020, 66.7 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, 81.9 percent were retained in care during 2020.
- Viral suppression: In 2020, 62.1 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.

Gender Diverse People

This supplemental report provides detailed demographic and care data for HIV-diagnosed gender diverse people in Maryland. For the purposes of this report, gender diverse people are defined as people who have a gender identity or gender expression that differs from their assigned sex at birth.

Transgender Woman: A person whose sex assigned at birth is male but whose gender identity is female.

Transgender Man: A person whose sex assigned at birth is female but whose gender identity is male.

Another Gender Identity: Additional gender identities or gender expressions.

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

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

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 living with diagnosed HIV because of challenges in accurately identifying and reporting gender identity in HIV surveillance.

COVID-19 and HIV Surveillance Data

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

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

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

Undiagnosed HIV Infections

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

AIDS Diagnoses

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

Mortality

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

Engagement in HIV Care

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

Viral Suppression

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

Geographic Distribution

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

Residents of Correctional Facilities

New diagnoses of HIV and people living with diagnosed HIV who were reported to be residing in local jails or detention centers are presented, whenever possible, as residing at their home address. New diagnoses of HIV and people living with diagnosed HIV who were reported

[1]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.

to be residing in a state or federal prison in Maryland are presented as residing in a separate "Corrections" jurisdiction.

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

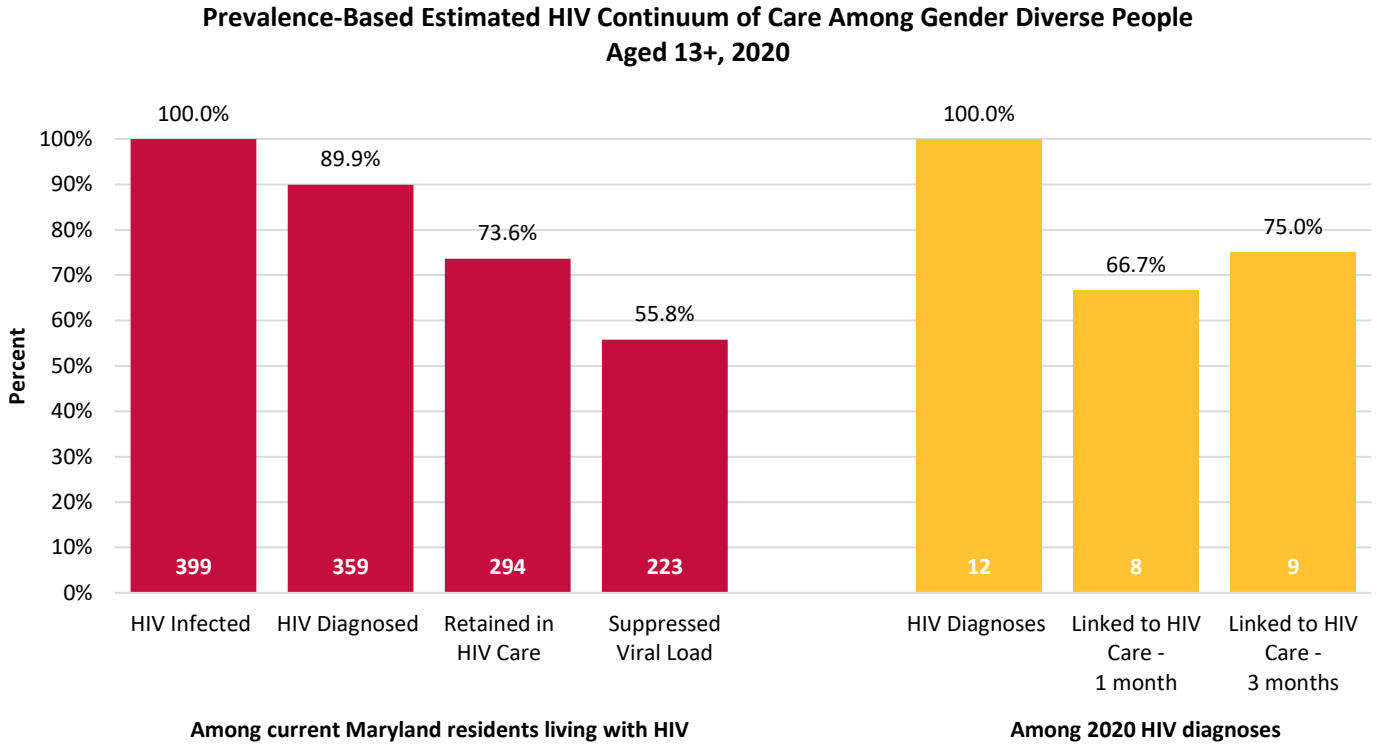
Not all exposure data is reported and is therefore missing in some instances. Multiple imputation is a statistical method by which missing exposure categories are replaced with estimated or probable exposure categories. Perinatal transmission and other exposure categories are never estimated or adjusted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

Section II – 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 1 – Prevalence-Based Estimated 2020 HIV Continuum of Care Cascades, Among Gender Diverse People Aged 13+ Living in Maryland, Reported through June 30, 2021

The prevalence-based Maryland 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 (10.1 percent) and the estimated number of people living with HIV currently residing in Maryland. Maryland surveillance data is then used to describe the number and percentage of gender diverse people living with HIV in Maryland 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.



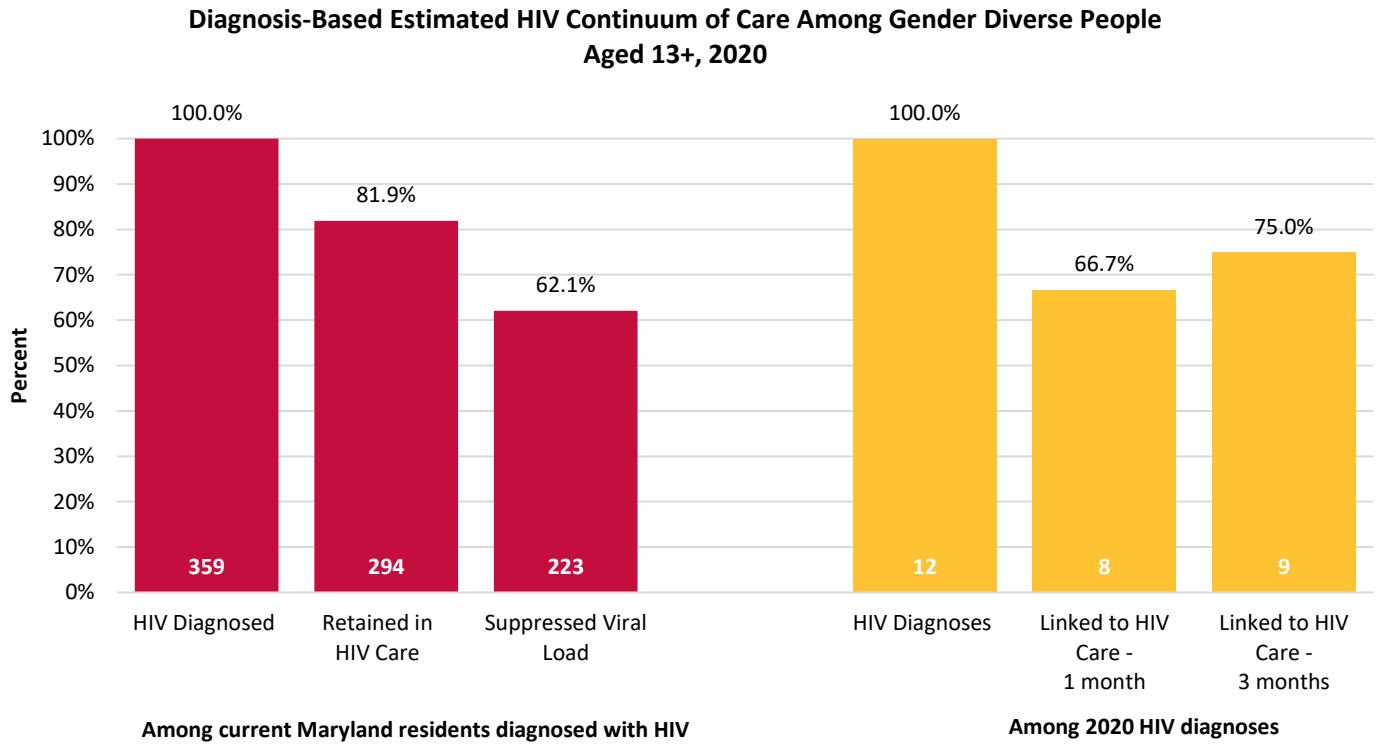
Continuum of Care Stage	Gender Diverse People Aged 13+ Living with HIV		Continuum of Care Stage	Reported 2020 HIV Diagnoses	
	Number	Percent		Number	Percent
HIV Infected	399	100.0%	New HIV Diagnoses	12	100.0%
HIV Diagnosed	359	89.9%	Linked to HIV Care – 1 Month	8	66.7%
Retained in HIV Care	294	73.6%	Linked to HIV Care – 3 Months	9	75.0%
Suppressed Viral Load	223	55.8%			

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

[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 2 – Diagnosis-Based Estimated 2020 HIV Continuum of Care Cascades, Among Gender Diverse People Aged 13+ Living in Maryland, Reported through June 30, 2021

The diagnosis-based Maryland Engagement in HIV Care Cascade (below) uses Maryland surveillance data for current Maryland residents to describe the number and percentage of persons living with diagnosed HIV in Maryland 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	359	100.0%	New HIV Diagnoses	12	100.0%
Retained in HIV Care	294	81.9%	Linked to HIV Care – 1 Month	8	66.7%
Suppressed Viral Load	223	62.1%	Linked to HIV Care – 3 Months	9	75.0%

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.

Section III – Reported HIV Diagnoses, Among Gender Diverse People Aged 13+, by Jurisdiction

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

Jurisdiction of Residence at Diagnosis	Reported HIV Diagnoses Among People Aged 13+		Reported AIDS Diagnoses Among People Aged 13+	
	No.	% of Total	No.	% of Total
Allegany	0	0.0%	0	0.0%
Anne Arundel	0	0.0%	0	0.0%
Baltimore City	7	58.3%	1	100.0%
Baltimore	1	8.3%	0	0.0%
Calvert	0	0.0%	0	0.0%
Caroline	0	0.0%	0	0.0%
Carroll	0	0.0%	0	0.0%
Cecil	0	0.0%	0	0.0%
Charles	0	0.0%	0	0.0%
Dorchester	0	0.0%	0	0.0%
Frederick	0	0.0%	0	0.0%
Garrett	0	0.0%	0	0.0%
Harford	0	0.0%	0	0.0%
Howard	0	0.0%	0	0.0%
Kent	0	0.0%	0	0.0%
Montgomery	2	16.7%	0	0.0%
Prince George's	1	8.3%	0	0.0%
Queen Anne's	0	0.0%	0	0.0%
Saint Mary's	0	0.0%	0	0.0%
Somerset	0	0.0%	0	0.0%
Talbot	1	8.3%	0	0.0%
Washington	0	0.0%	0	0.0%
Wicomico	0	0.0%	0	0.0%
Worcester	0	0.0%	0	0.0%
Corrections	0	0.0%	0	0.0%
Total	12	100.0%	1	100.0%

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.

Table 2 – Reported HIV Diagnoses, Among Gender Diverse 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	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	0	0.0%	--	--	--	--
Anne Arundel	0	0.0%	--	--	--	--
Baltimore City	7	58.3%	71.4%	71.4%	0.0%	71.4%
Baltimore	1	8.3%	***	***	***	***
Calvert	0	0.0%	--	--	--	--
Caroline	0	0.0%	--	--	--	--
Carroll	0	0.0%	--	--	--	--
Cecil	0	0.0%	--	--	--	--
Charles	0	0.0%	--	--	--	--
Dorchester	0	0.0%	--	--	--	--
Frederick	0	0.0%	--	--	--	--
Garrett	0	0.0%	--	--	--	--
Harford	0	0.0%	--	--	--	--
Howard	0	0.0%	--	--	--	--
Kent	0	0.0%	--	--	--	--
Montgomery	2	16.7%	***	***	***	***
Prince George's	1	8.3%	--	--	--	--
Queen Anne's	0	0.0%	--	--	--	--
Saint Mary's	0	0.0%	--	--	--	--
Somerset	0	0.0%	--	--	--	--
Talbot	1	8.3%	***	***	***	***
Washington	0	0.0%	--	--	--	--
Wicomico	0	0.0%	--	--	--	--
Worcester	0	0.0%	--	--	--	--
Corrections	0	0.0%	--	--	--	--
Total	12	100.0%	66.7%	75.0%	0.0%	75.0%

*** 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 – Gender Diverse 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 Current Residence	Total Gender Diverse People Aged 13+ Living with Diagnosed HIV	
	No.	% of Total
Allegany	1	0.3%
Anne Arundel	21	5.8%
Baltimore City	180	50.1%
Baltimore	34	9.5%
Calvert	1	0.3%
Caroline	2	0.6%
Carroll	1	0.3%
Cecil	0	0.0%
Charles	6	1.7%
Dorchester	4	1.1%
Frederick	4	1.1%
Garrett	0	0.0%
Harford	5	1.4%
Howard	4	1.1%
Kent	0	0.0%
Montgomery	18	5.0%
Prince George's	65	18.1%
Queen Anne's	0	0.0%
Saint Mary's	2	0.6%
Somerset	0	0.0%
Talbot	1	0.3%
Washington	5	1.4%
Wicomico	2	0.6%
Worcester	0	0.0%
Corrections	3	0.8%
Total	359	100.0%

Table 4 – CD4 Test Results during 2020 for Gender Diverse 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 Gender Diverse People Aged 13+ Living with Diagnosed HIV							
		Recent CD4 Test Result						
	No.	No. with Test	% with Test	Median Count	<200	200-349	350-499	500+
Allegany	1	***	***	***	***	***	***	***
Anne Arundel	21	15	71.4%	567	13.3%	13.3%	20.0%	53.3%
Baltimore City	180	142	78.9%	686	11.3%	5.6%	12.7%	70.4%
Baltimore	34	26	76.5%	830	0.0%	3.8%	3.8%	92.3%
Calvert	1	***	***	***	***	***	***	***
Caroline	2	***	***	***	***	***	***	***
Carroll	1	***	***	***	***	***	***	***
Cecil	0	--	--	--	--	--	--	--
Charles	6	5	83.3%	756	0.0%	0.0%	0.0%	100.0%
Dorchester	4	***	***	***	***	***	***	***
Frederick	4	***	***	***	***	***	***	***
Garrett	0	--	--	--	--	--	--	--
Harford	5	1	20.0%	829	0.0%	0.0%	0.0%	100.0%
Howard	4	***	***	***	***	***	***	***
Kent	0	--	--	--	--	--	--	--
Montgomery	18	15	83.3%	854	13.3%	6.7%	0.0%	80.0%
Prince George's	65	50	76.9%	616	2.0%	8.0%	18.0%	72.0%
Queen Anne's	0	--	--	--	--	--	--	--
Saint Mary's	2	***	***	***	***	***	***	***
Somerset	0	--	--	--	--	--	--	--
Talbot	1	***	***	***	***	***	***	***
Washington	5	5	100.0%	604	0.0%	20.0%	20.0%	60.0%
Wicomico	2	***	***	***	***	***	***	***
Worcester	0	--	--	--	--	--	--	--
Corrections	3	***	***	***	***	***	***	***
Total	359	280	78.0%	700	8.9%	6.4%	12.9%	71.8%

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

Table 5 – Viral Load Test Results during 2020 for Gender Diverse 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 Gender Diverse People Aged 13+ Living with Diagnosed HIV				
	No.	Recent Viral Load Test Result			
		No. with Test	% with Test	% Suppressed	Median Unsuppressed Viral Load
Allegany	1	***	***	***	***
Anne Arundel	21	15	71.4%	80.0%	123,000
Baltimore City	180	147	81.7%	73.5%	22,100
Baltimore	34	28	82.4%	92.9%	20,375
Calvert	1	***	***	***	***
Caroline	2	***	***	***	***
Carroll	1	***	***	***	***
Cecil	0	--	--	--	--
Charles	6	5	83.3%	100.0%	--
Dorchester	4	***	***	***	***
Frederick	4	***	***	***	***
Garrett	0	--	--	--	--
Harford	5	0	0.0%	0.0%	--
Howard	4	***	***	***	***
Kent	0	--	--	--	--
Montgomery	18	13	72.2%	92.3%	8,110
Prince George's	65	46	70.8%	87.0%	5,335
Queen Anne's	0	--	--	--	--
Saint Mary's	2	***	***	***	***
Somerset	0	--	--	--	--
Talbot	1	***	***	***	***
Washington	5	5	100.0%	100.0%	--
Wicomico	2	***	***	***	***
Worcester	0	--	--	--	--
Corrections	3	***	***	***	***
Total	359	280	78.0%	79.6%	22,100

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

Section IV – Gender Diverse People Living with Diagnosed HIV by Demographics

Table 6 – Reported HIV Diagnoses, Among Gender Diverse People Aged 13+ During 2020, Linked to Care, Late Diagnosis, and First CD4 Test Result by Gender, Age at HIV Diagnosis, Race/Ethnicity, and Exposure Category, Reported through June 30, 2021

Demographic Characteristics	Reported HIV Diagnoses Among Gender Diverse People Aged 13+						
	No.	% of Total	Linked to Care		Late HIV Diagnoses	First CD4 Test Result	
			% 1 mo.	% 3 mo.	%	%	Median Count
Gender							
Transgender Woman	11	91.7%	***	***	***	***	***
Transgender Man	1	8.3%	***	***	***	***	***
Another Gender Identity	0	0.0%	--	--	--	--	--
Age at HIV Diagnosis							
13-19	1	8.3%	***	***	***	***	***
20-29	8	66.7%	62.5%	75.0%	0.0%	75.0%	607
30-39	3	25.0%	***	***	***	***	***
40-49	0	0.0%	--	--	--	--	--
50-59	0	0.0%	--	--	--	--	--
60+	0	0.0%	--	--	--	--	--
Race/Ethnicity							
Hispanic	1	8.3%	***	***	***	***	***
Non-Hispanic	11	91.7%	63.6%	72.7%	0.0%	72.7%	607
American Indian/Alaska Native, only	0	0.0%	--	--	--	--	--
Asian, only	0	0.0%	--	--	--	--	--
Black, only	9	81.8%	66.7%	66.7%	0.0%	66.7%	607
Native Hawaiian/Other Pacific Islander, only	0	0.0%	--	--	--	--	--
White, only	2	18.2%	***	***	***	***	***
Multiracial/Other	0	0.0%	--	--	--	--	--
Exposure Category							
Sexual Contact	12	100.0%	66.7%	75.0%	0.0%	75.0%	559
Injection Drug Use	0	0.0%	--	--	--	--	--
Sexual Contact and Injection Drug Use	0	0.0%	--	--	--	--	--
Perinatal Transmission	0	0.0%	--	--	--	--	--
Other Exposure	0	0.0%	--	--	--	--	--
No Estimated or Reported Exposure	0	0.0%	--	--	--	--	--
Total	12	100.0%	66.7%	75.0%	0.0%	75.0%	559

Note. Data have been statistically adjusted to account for missing transmission category, therefore, values may not sum to column total.

*** 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 – Gender Diverse People Aged 13+ Living with Diagnosed HIV, Alive on December 31, 2020, by Gender, Age on December 31, 2020, Race/Ethnicity, and Exposure Category, Reported through June 30, 2021

Demographic Characteristics	Total Gender Diverse People Aged 13+ Living with Diagnosed HIV	
	No.	% of Total
Gender		
Transgender Woman	336	93.6%
Transgender Man	22	6.1%
Another Gender Identity	1	0.3%
Age on December 31, 2020		
13-19	1	0.3%
20-29	73	20.3%
30-39	161	44.8%
40-49	53	14.8%
50-59	49	13.6%
60+	22	6.1%
Race/Ethnicity		
Hispanic	48	13.4%
Non-Hispanic	311	86.6%
American Indian/Alaska Native, only	0	0.0%
Asian, only	1	0.3%
Black, only	269	74.9%
Native Hawaiian/Other Pacific Islander, only	0	0.0%
White, only	20	5.6%
Multiracial/Other	21	5.8%
Exposure Category		
Sexual Contact	313	87.1%
Injection Drug Use	17	4.6%
Sexual Contact and Injection Drug Use	27	7.4%
Perinatal Transmission	3	0.8%
Other Exposure	0	0.0%
No Estimated or Reported Exposure	0	0.0%
Total	359	100.0%

Note. Data have been statistically adjusted to account for missing transmission category, therefore, values may not sum to column total.

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 8 – CD4 Test Results During 2020 for Gender Diverse People Aged 13+ Living with Diagnosed HIV, Alive on December 31, 2020, by Gender, Age on December 31, 2020, Race/Ethnicity, and Exposure Category, Reported through June 30, 2021

Demographic Characteristics	Total Gender Diverse People Aged 13+ Living with Diagnosed HIV							
		Recent CD4 Test Result						
	No.	No. with Test	% with Test	Median Count	<200	200-349	350-499	500+
Gender								
Transgender Woman	336	263	78.3%	690	8.7%	6.8%	12.5%	71.9%
Transgender Man	22	***	***	***	***	***	***	***
Another Gender Identity	1	***	***	***	***	***	***	***
Age on December 31, 2020								
13-19	1	***	***	***	***	***	***	***
20-29	73	57	78.1%	682	3.5%	10.5%	10.5%	75.4%
30-39	161	136	84.5%	694	11.8%	5.1%	11.8%	71.3%
40-49	53	40	75.5%	789	5.0%	0.0%	17.5%	77.5%
50-59	49	32	65.3%	725	15.6%	9.4%	12.5%	62.5%
60+	22	***	***	***	***	***	***	***
Race/Ethnicity								
Hispanic	48	41	85.4%	760	2.4%	4.9%	12.2%	80.5%
Non-Hispanic	311	239	76.8%	688	10.0%	6.7%	13.0%	70.3%
American Indian/Alaska Native, only	0	--	--	--	--	--	--	--
Asian, only	1	***	***	***	***	***	***	***
Black, only	269	203	75.5%	684	9.4%	7.9%	12.8%	70.0%
Native Hawaiian/Other Pacific Islander, only	0	--	--	--	--	--	--	--
White, only	20	15	75.0%	790	6.7%	0.0%	13.3%	80.0%
Multiracial/Other	21	***	***	***	***	***	***	***
Exposure Category								
Sexual Contact	313	248	79.4%	717	8.3%	5.8%	12.1%	73.8%
Injection Drug Use	17	***	***	***	***	***	***	***
Sexual Contact and Injection Drug Use	27	19	69.7%	525	16.7%	16.7%	16.1%	50.5%
Perinatal Transmission	3	***	***	***	***	***	***	***
Other Exposure	0	--	--	--	--	--	--	--
No Estimated or Reported Exposure	0	--	--	--	--	--	--	--
Total	359	280	78.0%	700	8.9%	6.4%	12.9%	71.8%

Note. Data have been statistically adjusted to account for missing transmission category, therefore, values may not sum to column total.

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

Table 9 – Viral Load Test Results During 2020 for Gender Diverse People Aged 13+ Living with Diagnosed HIV, Alive on December 31, 2020, by Gender, Age on December 31, 2020, Race/Ethnicity, and Exposure Category, Reported through June 30, 2021

Demographic Characteristics	Total Gender Diverse People Aged 13+ Living with Diagnosed HIV				
	No.	Recent Viral Load Test Result			
		No. with Test	% with Test	% Suppressed	Median Unsuppressed Viral Load
Gender					
Transgender Woman	336	261	77.7%	79.3%	24,300
Transgender Man	22	***	***	***	***
Another Gender Identity	1	***	***	***	***
Age on December 31, 2020					
13-19	1	***	***	***	***
20-29	73	54	74.0%	74.1%	14,200
30-39	161	137	85.1%	75.9%	26,500
40-49	53	40	75.5%	87.5%	2,780
50-59	49	33	67.3%	84.8%	113,000
60+	22	***	***	***	***
Race/Ethnicity					
Hispanic	48	40	83.3%	87.5%	2,780
Non-Hispanic	311	240	77.2%	78.3%	33,750
American Indian/Alaska Native, only	0	--	--	--	--
Asian, only	1	***	***	***	***
Black, only	269	205	76.2%	77.1%	38,600
Native Hawaiian/Other Pacific Islander, only	0	--	--	--	--
White, only	20	***	***	***	***
Multiracial/Other	21	20	95.2%	80.0%	201,970
Exposure Category					
Sexual Contact	313	246.5	78.8%	79.5%	22,100
Injection Drug Use	17	***	***	***	***
Sexual Contact and Injection Drug Use	27	20.6	77.2%	75.2%	47,449
Perinatal Transmission	3	***	***	***	***
Other Exposure	0	--	--	--	--
No Estimated or Reported Exposure	0	--	--	--	--
Total	359	280	78.0%	79.6%	22,100

Note. Data have been statistically adjusted to account for missing transmission category, therefore, values may not sum to column total.

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

Table 10 – Gender Diverse People Aged 13+ Living with Diagnosed HIV, by Exposure Category and Race/Ethnicity, Alive on December 31, 2020, and Reported through June 30, 2021

Exposure Category	Total Gender Diverse 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
Sexual Contact	47	97.9%	229	85.1%	18	90.0%
Injection Drug Use	0	0.0%	13	5.0%	1	5.0%
Sexual Contact and Injection Drug Use	1	2.1%	24	8.8%	1	5.0%
Perinatal Transmission	0	0.0%	3	1.1%	0	0.0%
Other Exposure	0	0.0%	0	0.0%	0	0.0%
No Estimated or Reported Exposure	0	0.0%	0	0.0%	0	0.0%
Total	48	100.0%	269	100.0%	20	100.0%

Table 11 – Engagement in Care Among Gender Diverse People Aged 13+ Living with Diagnosed HIV, Alive on December 31, 2020, by Gender, Age on December 31, 2020, Race/Ethnicity, and Exposure Category, Reported through June 30, 2021

Demographic Characteristics	Total Gender Diverse People Aged 13+ Living with Diagnosed HIV						
	No.	Linked to HIV Care - 3 Months		Retained in Care		Suppressed Viral Load	
		No.	%	No.	%	No.	%
Gender							
Transgender Woman	336	162	48.2%	274	81.5%	207	61.6%
Transgender Man	22	***	***	***	***	***	***
Additional Gender Identity	1	***	***	***	***	***	***
Age on December 31, 2020							
13-19	1	***	***	***	***	***	***
20-29	73	42	57.5%	57	78.1%	40	54.8%
30-39	161	73	45.3%	142	88.2%	104	64.6%
40-49	53	33	62.3%	43	81.1%	35	66.0%
50-59	49	17	34.7%	35	71.4%	28	57.1%
60+	22	***	***	***	***	***	***
Race/Ethnicity							
Hispanic	48	32	66.7%	44	91.7%	35	72.9%
Non-Hispanic	311	140	45.0%	250	80.4%	188	60.5%
American Indian/Alaska Native, only	0	0	0.0%	0	0.0%	0	0.0%
Asian, only	1	***	***	***	***	***	***
Black, only	269	123	45.7%	214	79.6%	158	58.7%
Native Hawaiian/Other Pacific Islander, only	0	0	0.0%	0	0.0%	0	0.0%
White, only	20	***	***	***	***	***	***
Multiracial/Other	21	7	33.3%	20	95.2%	16	76.2%
Exposure Category							
Sexual Contact	313	158	50.5%	259	82.7%	196	62.6%
Injection Drug Use	17	***	***	***	***	***	***
Sexual Contact and Injection Drug Use	27	11	40.7%	21	77.8%	16	59.3%
Perinatal Transmission	3	***	***	***	***	***	***
Other Exposure	0	0	0.0%	0	0.0%	0	0.0%
No Estimated or Reported Exposure	0	0	0.0%	0	0.0%	0	0.0%
Total	359	169	47.1%	294	81.9%	223	62.1%

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

Glossary of Terms

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

Age on [date]: Age group of living people 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).

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

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

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.

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 Diagnosis: Jurisdiction of residence at late 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 3 months after their initial HIV diagnosis.

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.

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 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.

Perinatal Exposure: Any baby born to an HIV positive mother.

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

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

Sexual Contact: People who report a history of sexual contact with a person who is known to have an HIV infection or at high risk for an HIV infection. High risk groups include bisexual men, persons who inject drugs, and recipients of blood, blood components, transplants of organ or tissue and artificial insemination.

Sexual Contact/IDU: People who report a history of sexual contact with a person who is known to have an HIV infection or at high risk for an HIV infection who also have engaged in injection drug use.

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

Total Gender Diverse 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.

Transgender Man: A person whose sex assigned at birth is female but whose gender identity is masculine.

Transgender Woman: A person whose sex assigned at birth is male but whose gender identity is feminine.

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