2021

# EASTERN REGION ANNUAL HIV EPIDEMIOLOGICAL PROFILE

Data reported through
June 30, 2022


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

Eastern Region Annual HIV Epidemiological Profile 2021. Center for HIV Surveillance, Epidemiology and Evaluation, Maryland Department of Health, Baltimore, MD. 2022.

## On the Web

https://health.maryland.gov/phpa/OIDEOR/CHSE/SiteAssets/Pages/statistics/Eastern-Region-Annual-HIV-Epidemiological-Profile-2021.pdf

## Additional Information and Reporting Instructions

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

Email: mdh.hivdatarequest@maryland.gov

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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 2021, there were 23 reported HIV diagnoses in the Eastern Region. The Eastern Region includes Caroline County, Cecil County, Dorchester County, Kent County, Queen Anne's County, Somerset County, Talbot County, Wicomico County, and Worcester County. Data presented below describe HIV diagnoses in the Eastern Region, among people ages 13 years and older, during 2021.

- Geographic distribution: Wicomico County accounted for the highest number (9, 39.1%) of HIV diagnoses. The rate was highest in Kent County (17.5).
- Age: Persons aged 20-39 years accounted for the highest number (16, 69.6%) of HIV diagnoses, and persons aged 30-39 had the highest rate (15.0) of HIV diagnoses.
- Sex at Birth: Males accounted for the highest number (15, 65.2%) of HIV diagnoses. The rate among males was 7.9 and 4.0 among females.
- Race/Ethnicity: Non-Hispanic Black persons accounted for the highest number (14, 60.9%) and rate (22.3).
- Exposure Category: Male-to-male sexual contact accounted for the highest number (12, 53.5%) of diagnoses.

### People Living with Diagnosed HIV

At the end of 2021, there were 1,010 people living with diagnosed HIV in the Eastern Region. Data presented below describe people living with diagnosed HIV, aged 13 years and older, in the Eastern Region.

- Geographic distribution: Wicomico County accounted for the highest number (268, 26.5%) of people living with diagnosed HIV. Dorchester County had the highest rate (574.6) of people living with diagnosed HIV.
- Age: Persons aged 50+ years accounted for the highest number (598, 59.2%) of people living with diagnosed HIV. The highest rate was among 50-59-year-olds (456.3).
- Sex at Birth: Males accounted for the highest number (716, 70.9%) of people living with diagnosed HIV. The rate among males was 375.0 and 145.8 among females.
- Race/Ethnicity: Non-Hispanic Black persons accounted for the highest number (569, 56.3%) of people living with diagnosed HIV. The highest rate was among Non-Hispanic Multiracial persons (1,106.3).
- Exposure Category: Male-to-male sexual contact accounted for the highest number (471, 46.7%) of the total people living with diagnosed HIV.

### Engagement in HIV Care

- HIV diagnosed: Among people living with HIV in the Eastern Region, it is estimated that 88.2 percent have been diagnosed and an estimated 135 people with HIV remain undiagnosed.
- Linked to care: During 2021, 82.6 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 2021.
- Viral suppression: In 2021, 66.9 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 babies born to mothers living with HIV, clinical and infection control practitioners in medical and correctional facilities are required to report patients in the care of the institution with diagnoses of HIV or AIDS, and laboratory directors are required to report all HIV diagnostic and HIV-related monitoring test results, including HIV negative test results.

## Report Changes

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

- The terminology for gender identity has been updated.
- Viral suppression within six months after HIV diagnosis has been added to all tables describing reported HIV diagnoses (Tables 2, 6, 10, and 18) and the HIV care continuums (Figure 8A-D, and Figure 9). As a result, linkage to HIV care within three months has been removed from all tables and figures describing reported HIV diagnoses but is available upon request.

## 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 2021 and for people who were living with HIV and were current residents of Maryland as of December 31, 2021.

Data presented were reported to the MDH through June 30, 2022. Reported new diagnoses and estimates of people living with diagnosed HIV are as of December 31, 2021.

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

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

### COVID-19 and HIV Surveillance Data

Data for 2020 and 2021 should be interpreted with caution due to the impact of the Coronavirus Disease 2019 (COVID-19) pandemic on access to HIV testing and care-related services.

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

- 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 2020.

### AIDS Diagnoses

CD4+ T-lymphocyte tests are measures of a person's immune system function. An adult living with diagnosed HIV is considered to have AIDS if they have less than 200 CD4+ cells per microliter of blood, 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. Estimates of people living with diagnosed HIV use current residence. Current residence estimates are restricted to people for which there is a case report form or laboratory test reported since January 1, 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. Current residence assignments are constantly updated as new information becomes available and represent the best information available at the time of the estimate.

### Residents of Correctional Facilities

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

### Gender Identity

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

### Race/Ethnicity

The completeness of reporting for race/ethnicity is variable in surveillance data. Definitions of race/ethnicity

[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.

categories may vary across reporting sources and some reporting sources do not collect or have complete data on race/ethnicity. In this report, Hispanic/Latino persons can be of any race.

### Country of Birth

The completeness of reporting a person's country of birth is variable in surveillance data. Not all reporting sources collect or have complete data on nativity. In addition, some 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 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, 2022.

Population data by sex, age, and race/ethnicity are from the July 1, 2021 United States Census Estimates. Population data by country-of-birth are from the Census Bureau's 2020 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 races 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.

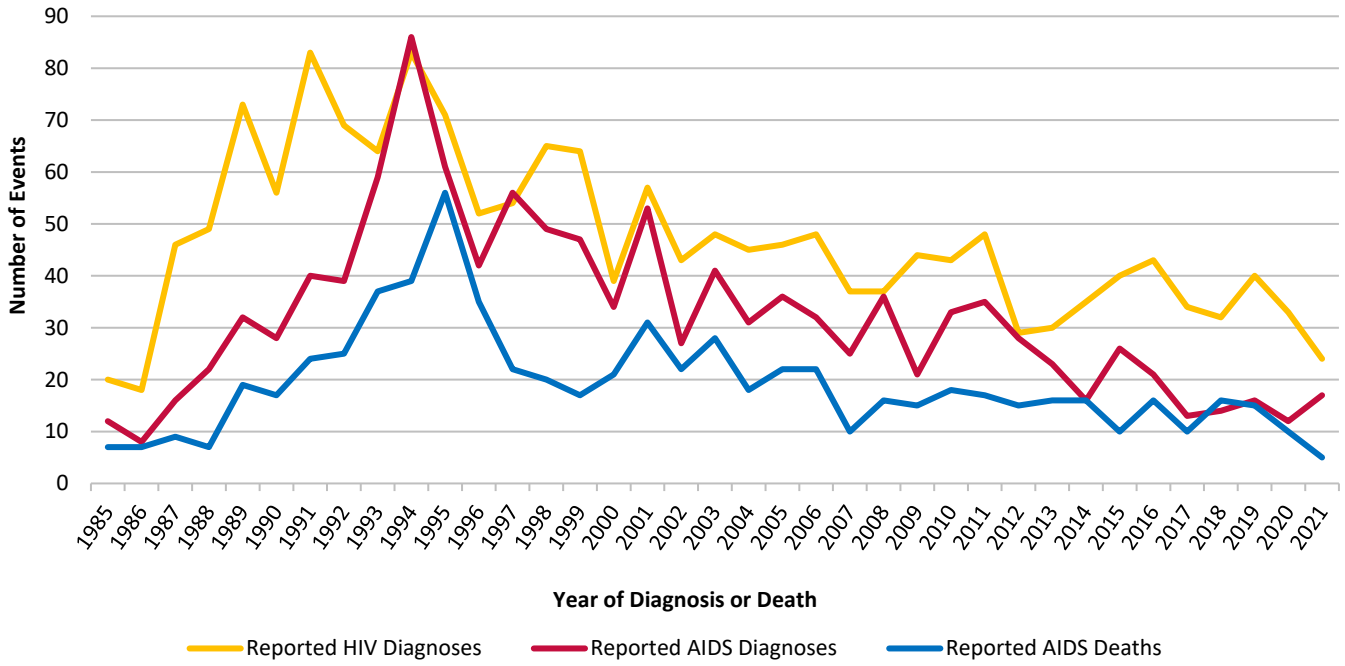
### Multiple Imputation

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 1985-2021

### Figure 1 – Trends in Reported HIV and AIDS Diagnoses and Deaths, among Residents at Diagnosis, 1985-2021, Reported through June 30, 2022

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 2021, as Reported through June 30, 2022



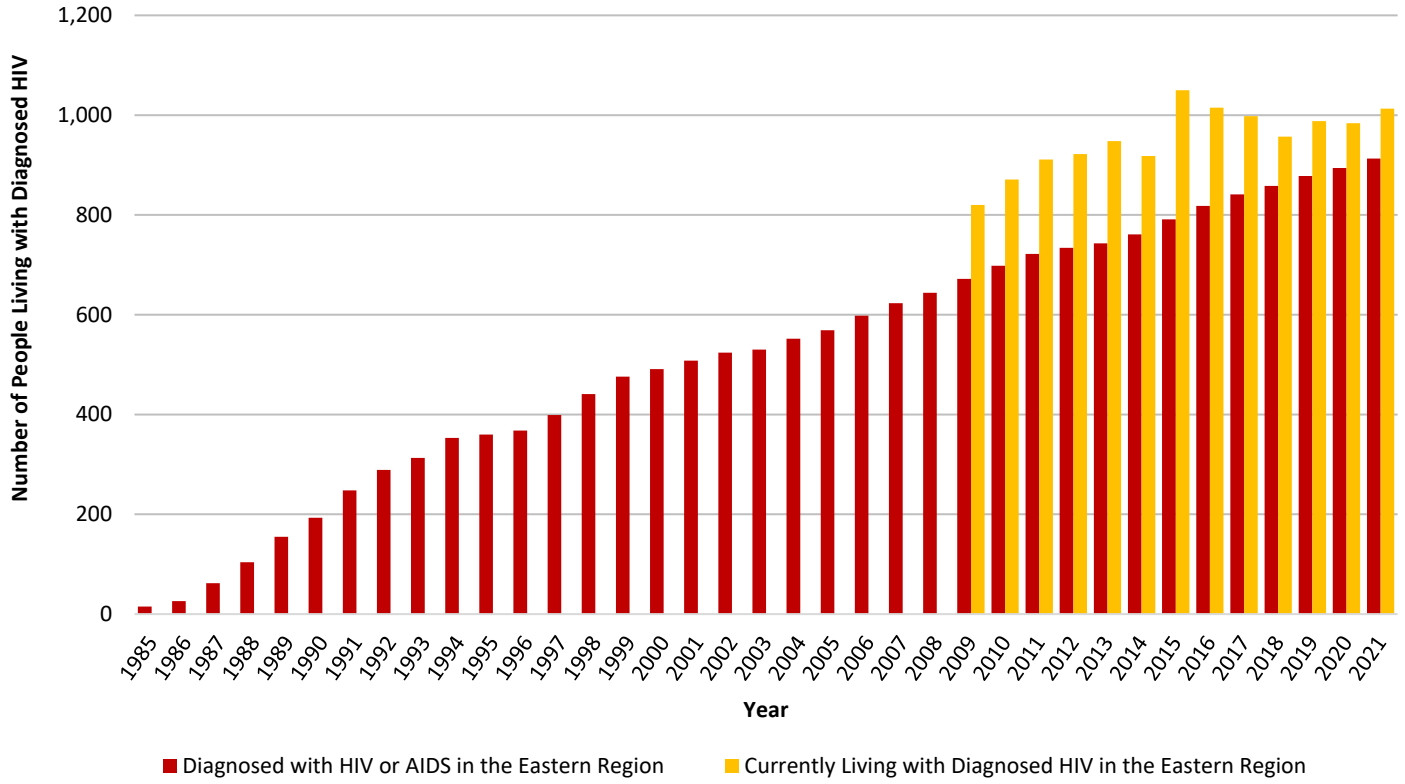

| Year of Diagnosis or Death | Reported HIV Diagnoses | Reported AIDS Diagnoses | Reported AIDS Deaths | Year of Diagnosis or Death | Reported HIV Diagnoses | Reported AIDS Diagnoses | Reported AIDS Deaths |
|---|---|---|---|---|---|---|---|
| **<1985** | 9 | 7 | 6 | **2003** | 48 | 41 | 28 |
| **1985** | 20 | 12 | 7 | **2004** | 45 | 31 | 18 |
| **1986** | 18 | 8 | 7 | **2005** | 46 | 36 | 22 |
| **1987** | 46 | 16 | 9 | **2006** | 48 | 32 | 22 |
| **1988** | 49 | 22 | 7 | **2007** | 37 | 25 | 10 |
| **1989** | 73 | 32 | 19 | **2008** | 37 | 36 | 16 |
| **1990** | 56 | 28 | 17 | **2009** | 44 | 21 | 15 |
| **1991** | 83 | 40 | 24 | **2010** | 43 | 33 | 18 |
| **1992** | 69 | 39 | 25 | **2011** | 48 | 35 | 17 |
| **1993** | 64 | 59 | 37 | **2012** | 29 | 28 | 15 |
| **1994** | 83 | 86 | 39 | **2013** | 30 | 23 | 16 |
| **1995** | 71 | 61 | 56 | **2014** | 35 | 16 | 16 |
| **1996** | 52 | 42 | 35 | **2015** | 40 | 26 | 10 |
| **1997** | 54 | 56 | 22 | **2016** | 43 | 21 | 16 |
| **1998** | 65 | 49 | 20 | **2017** | 34 | 13 | 10 |
| **1999** | 64 | 47 | 17 | **2018** | 32 | 14 | 16 |
| **2000** | 39 | 34 | 21 | **2019** | 40 | 16 | 15 |
| **2001** | 57 | 53 | 31 | **2020*** | 33 | 12 | 10 |
| **2002** | 43 | 27 | 22 | **2021*** | 24 | 17 | 5 |
| | | | | **Total** | 1,751 | 1,194 | 716 |

*2020-2021 reported AIDS deaths are preliminary.

Data for 2020 and 2021 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, 1985-2021, Reported through June 30, 2022

People Living with Diagnosed HIV in the Eastern Region and Not Reported to have Died as of December 31st of Each Year (People who were Diagnosed with HIV or AIDS in the Eastern Region and/or People who are Currently Living with Diagnosed HIV in the Eastern Region) from 1985 through 2021, as Reported through June 30, 2022

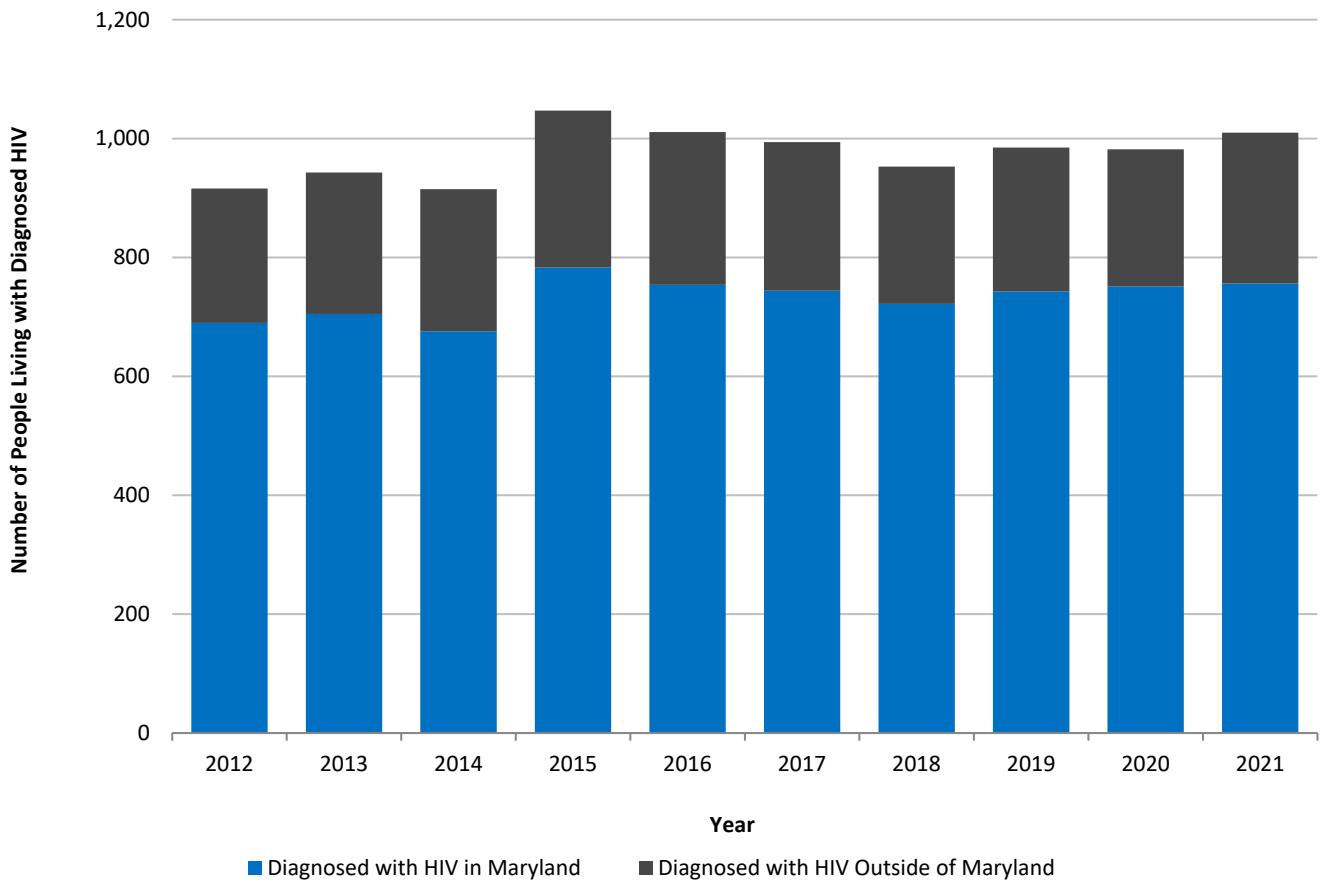



| Year | People Living with Diagnosed HIV | | Year | People Living with Diagnosed HIV | |
|---|---|---|---|---|---|
| | Diagnosed with HIV or AIDS in the Eastern Region | Current Residents | | Diagnosed with HIV or AIDS in the Eastern Region | Current Residents |
| **1985** | 15 | -- | **2003** | 530 | -- |
| **1986** | 26 | -- | **2004** | 552 | -- |
| **1987** | 62 | -- | **2005** | 569 | -- |
| **1988** | 104 | -- | **2006** | 598 | -- |
| **1989** | 155 | -- | **2007** | 623 | -- |
| **1990** | 193 | -- | **2008** | 644 | -- |
| **1991** | 248 | -- | **2009** | 672 | 820 |
| **1992** | 289 | -- | **2010** | 698 | 871 |
| **1993** | 313 | -- | **2011** | 722 | 911 |
| **1994** | 353 | -- | **2012** | 734 | 922 |
| **1995** | 360 | -- | **2013** | 743 | 948 |
| **1996** | 368 | -- | **2014** | 761 | 918 |
| **1997** | 399 | -- | **2015** | 791 | 1,050 |
| **1998** | 441 | -- | **2016** | 818 | 1,015 |
| **1999** | 476 | -- | **2017** | 841 | 998 |
| **2000** | 491 | -- | **2018** | 858 | 957 |
| **2001** | 508 | -- | **2019** | 878 | 988 |
| **2002** | 524 | -- | **2020** | 894 | 984 |
| | | | **2021** | 913 | 1,013 |

*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, 2012-2021, Reported through June 30, 2022

People Living with Diagnosed HIV in the Eastern Region and Not Reported to have Died as of December 31st of Each Year from 2012 through 2021, as Reported through June 30, 2022

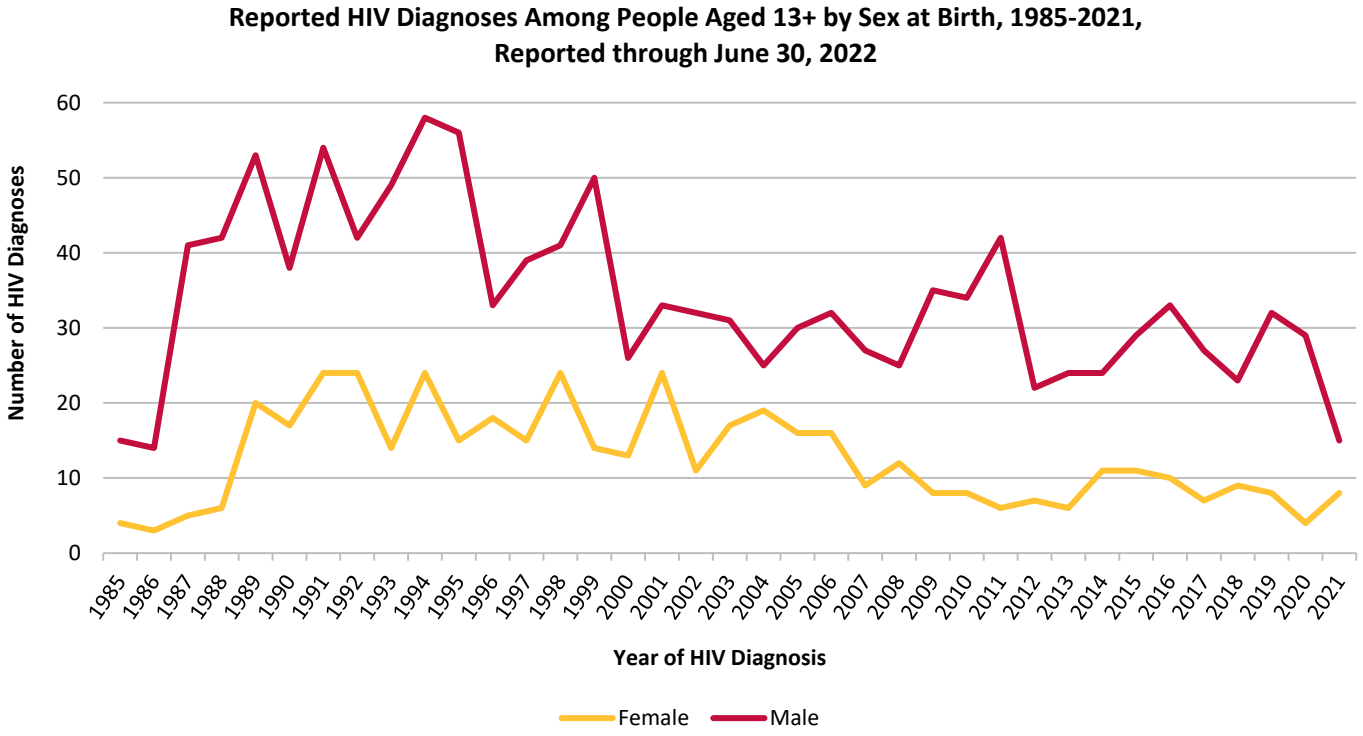


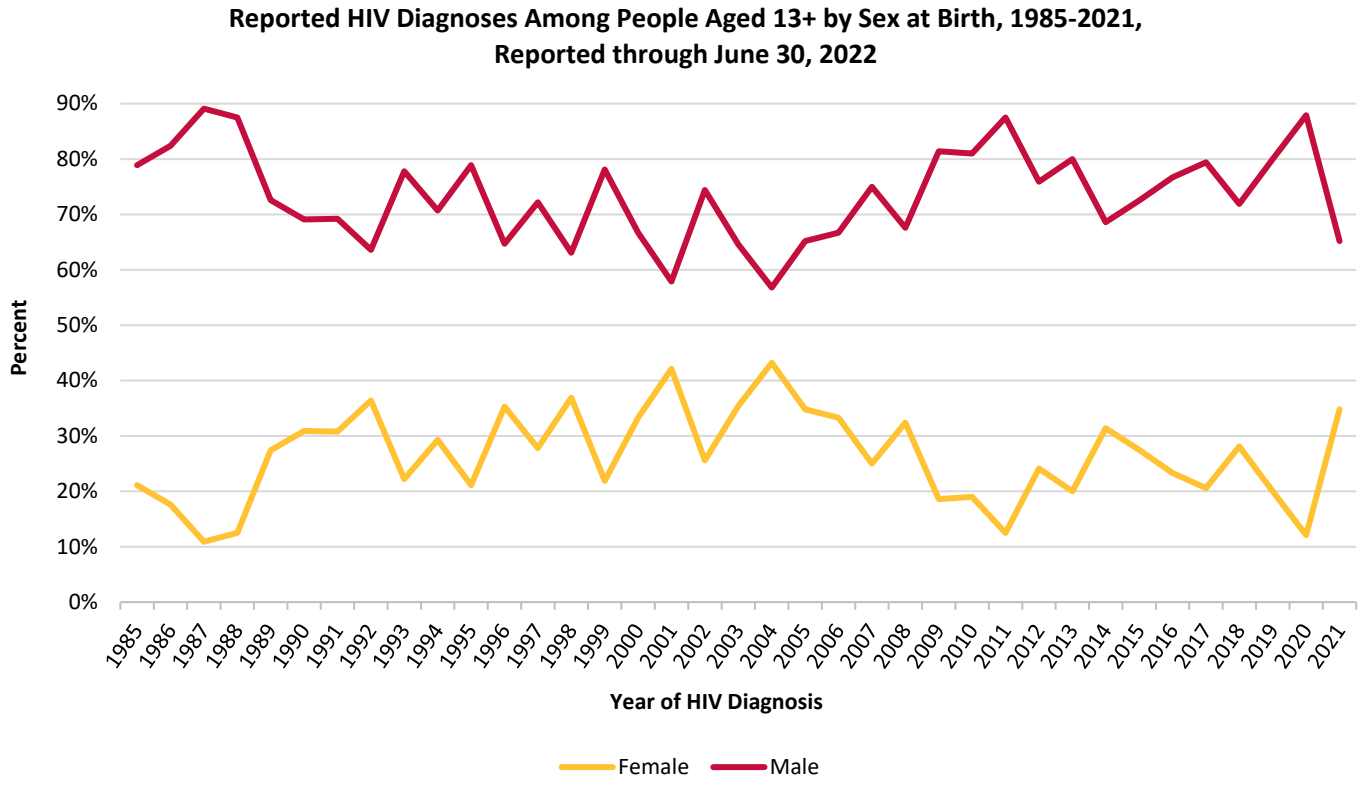

| Year | Population Aged 13+ | Eastern Region Residents Aged 13+ as of December 31st of the Specified Year | | | |
|---|---|---|---|---|---|
| | | Diagnosed with HIV in Maryland | Diagnosed with HIV Outside of Maryland | Total | Rate |
| **2012** | 382,723 | 690 | 226 | 916 | 239.3 |
| **2013** | 383,434 | 705 | 238 | 943 | 245.9 |
| **2014** | 384,004 | 676 | 239 | 915 | 238.3 |
| **2015** | 385,271 | 783 | 264 | 1,047 | 271.8 |
| **2016** | 386,090 | 754 | 257 | 1,011 | 261.9 |
| **2017** | 387,252 | 744 | 250 | 994 | 256.7 |
| **2018** | 389,077 | 722 | 231 | 953 | 244.9 |
| **2019** | 390,795 | 743 | 242 | 985 | 252.1 |
| **2020** | 391,601 | 751 | 231 | 982 | 250.8 |
| **2021** | 392,627 | 756 | 254 | 1,010 | 257.2 |

Data for 2020 and 2021 should be interpreted with caution due to the impact of the COVID-19 pandemic on access to HIV testing and care-related services.

## Figure 4 – Trends in Reported HIV Diagnoses, among Residents at Diagnosis Aged 13+, by Sex at Birth, 1985-2021, Reported through June 30, 2022

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 2021, as Reported through June 30, 2022



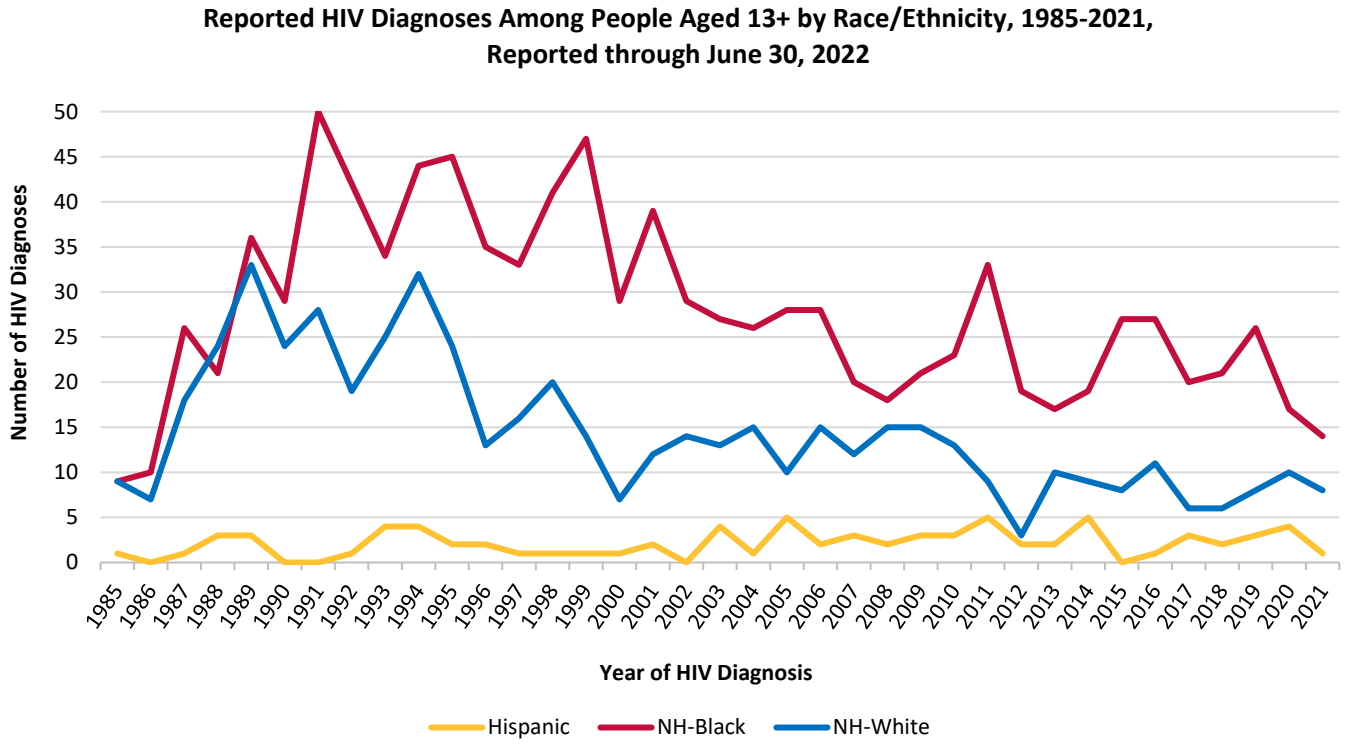



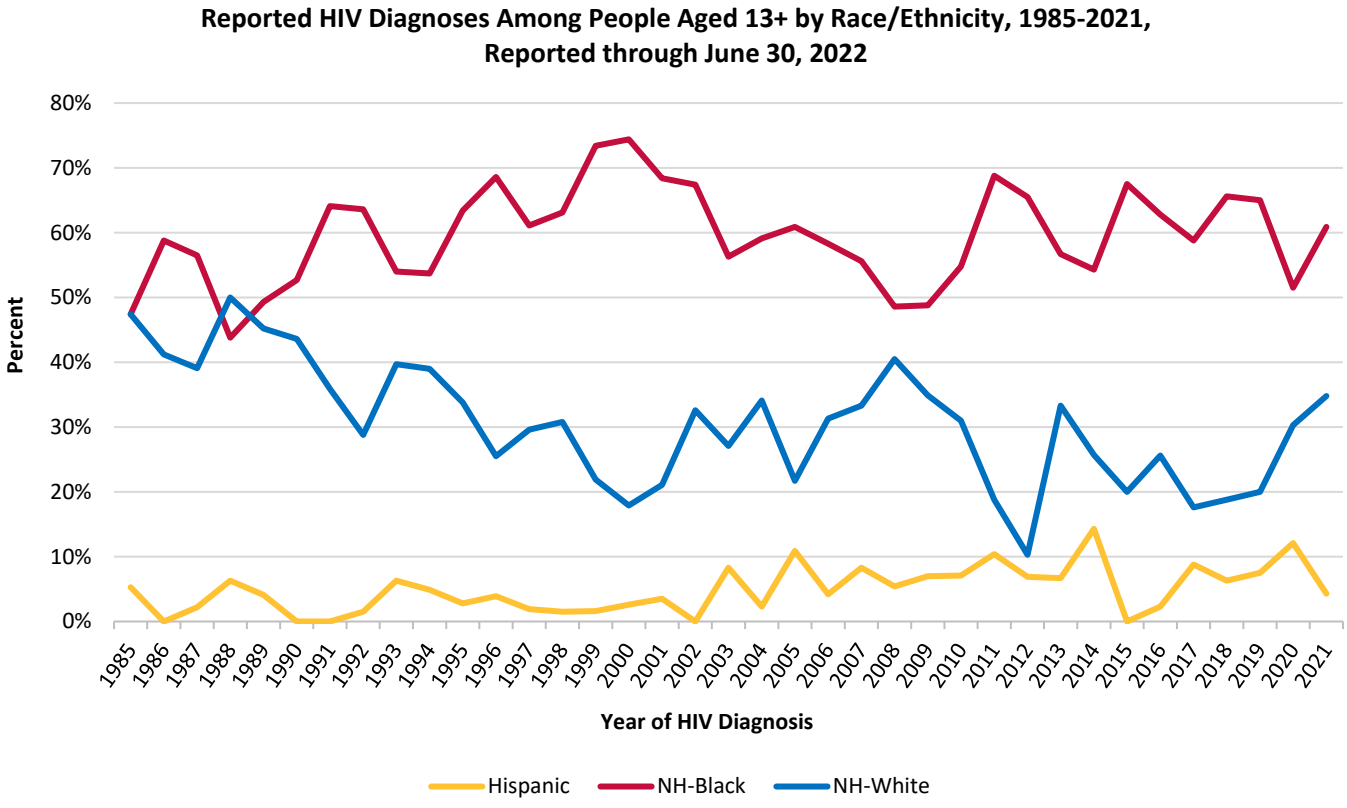
| Year of HIV Diagnosis | Reported HIV Diagnoses among People Aged 13+ | | | | |
|---|---|---|---|---|---|
| | Number | Sex at Birth | | | |
| | | Female | | Male | |
| | | Number | Percent | Number | Percent |
| **<1985** | 9 | 1 | 11.1% | 8 | 88.9% |
| **1985** | 19 | 4 | 21.1% | 15 | 78.9% |
| **1986** | 17 | 3 | 17.6% | 14 | 82.4% |
| **1987** | 46 | 5 | 10.9% | 41 | 89.1% |
| **1988** | 48 | 6 | 12.5% | 42 | 87.5% |
| **1989** | 73 | 20 | 27.4% | 53 | 72.6% |
| **1990** | 55 | 17 | 30.9% | 38 | 69.1% |
| **1991** | 78 | 24 | 30.8% | 54 | 69.2% |
| **1992** | 66 | 24 | 36.4% | 42 | 63.6% |
| **1993** | 63 | 14 | 22.2% | 49 | 77.8% |
| **1994** | 82 | 24 | 29.3% | 58 | 70.7% |
| **1995** | 71 | 15 | 21.1% | 56 | 78.9% |
| **1996** | 51 | 18 | 35.3% | 33 | 64.7% |
| **1997** | 54 | 15 | 27.8% | 39 | 72.2% |
| **1998** | 65 | 24 | 36.9% | 41 | 63.1% |
| **1999** | 64 | 14 | 21.9% | 50 | 78.1% |
| **2000** | 39 | 13 | 33.3% | 26 | 66.7% |
| **2001** | 57 | 24 | 42.1% | 33 | 57.9% |
| **2002** | 43 | 11 | 25.6% | 32 | 74.4% |
| **2003** | 48 | 17 | 35.4% | 31 | 64.6% |
| **2004** | 44 | 19 | 43.2% | 25 | 56.8% |
| **2005** | 46 | 16 | 34.8% | 30 | 65.2% |
| **2006** | 48 | 16 | 33.3% | 32 | 66.7% |
| **2007** | 36 | 9 | 25.0% | 27 | 75.0% |
| **2008** | 37 | 12 | 32.4% | 25 | 67.6% |
| **2009** | 43 | 8 | 18.6% | 35 | 81.4% |
| **2010** | 42 | 8 | 19.0% | 34 | 81.0% |
| **2011** | 48 | 6 | 12.5% | 42 | 87.5% |
| **2012** | 29 | 7 | 24.1% | 22 | 75.9% |
| **2013** | 30 | 6 | 20.0% | 24 | 80.0% |
| **2014** | 35 | 11 | 31.4% | 24 | 68.6% |
| **2015** | 40 | 11 | 27.5% | 29 | 72.5% |
| **2016** | 43 | 10 | 23.3% | 33 | 76.7% |
| **2017** | 34 | 7 | 20.6% | 27 | 79.4% |
| **2018** | 32 | 9 | 28.1% | 23 | 71.9% |
| **2019** | 40 | 8 | 20.0% | 32 | 80.0% |
| **2020** | 33 | 4 | 12.1% | 29 | 87.9% |
| **2021** | 23 | 8 | 34.8% | 15 | 65.2% |
| **Total** | 1,731 | 468 | 27.0% | 1,263 | 73.0% |

Data for 2020 and 2021 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, 1985-2021, Reported through June 30, 2022

Number and Percent by Race/Ethnicity of People Diagnosed with HIV, Aged 13+ at HIV Diagnosis, by Year of HIV Diagnosis from 1985 through 2021, as Reported through June 30, 2022



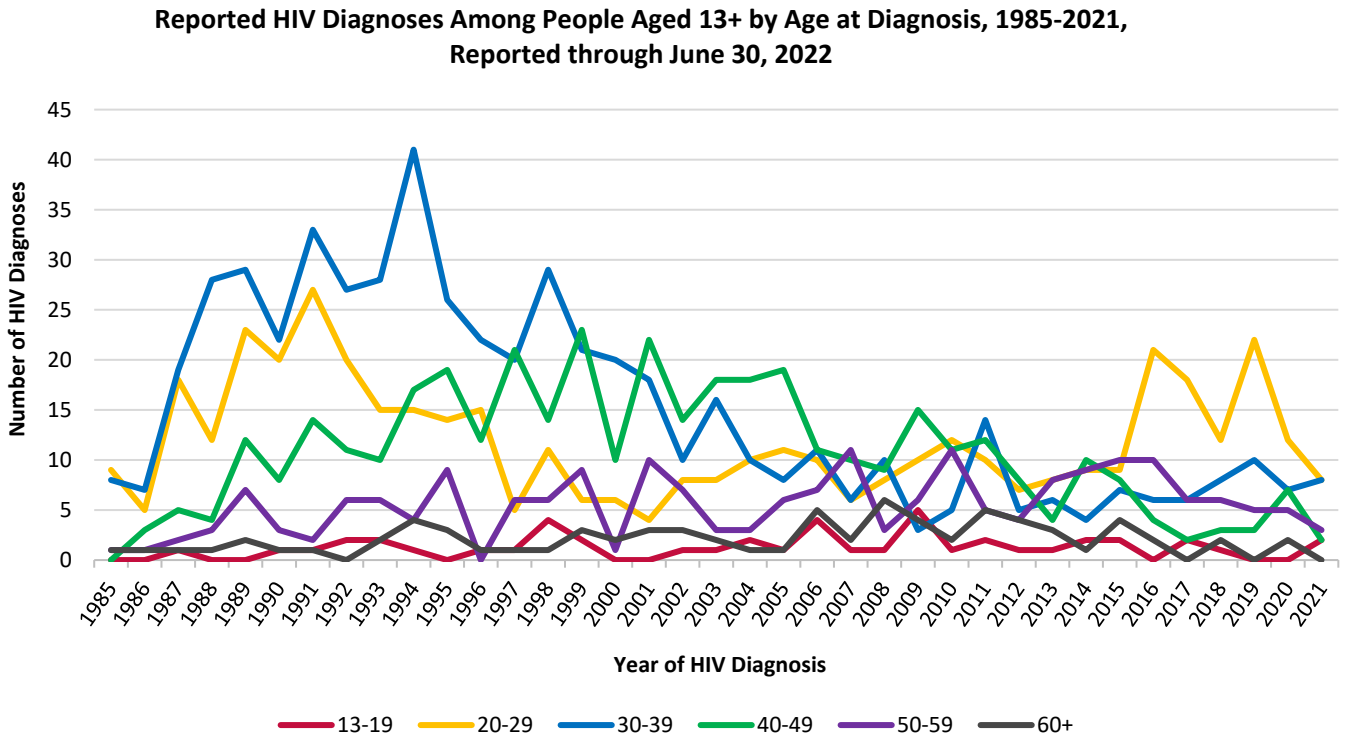

NH: Non-Hispanic
NH-Asian, NH-American Indian, NH-Native Hawaiian/Other Pacific Islander, NH-Multiracial/Other not shown

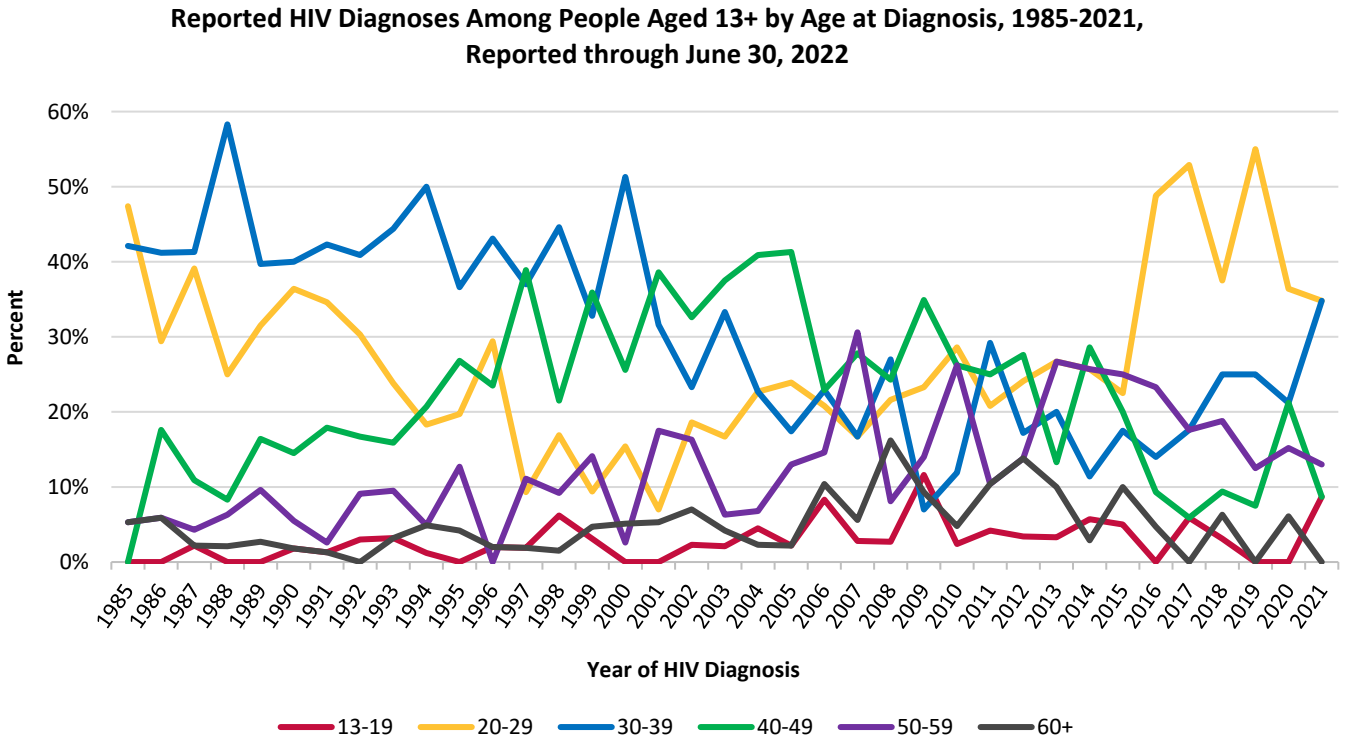
| Year of HIV Diagnosis | Reported HIV Diagnoses among People Aged 13+ | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | Race/Ethnicity | | | | | | | |
| | No. | Hispanic | | Non-Hispanic Black, only | | Non-Hispanic White, only | | Non-Hispanic Other Race | |
| | | No. | % | No. | % | No. | % | No. | % |
| **<1985** | 9 | 0 | 0.0% | 5 | 55.6% | 4 | 44.4% | 0 | 0.0% |
| **1985** | 19 | 1 | 5.3% | 9 | 47.4% | 9 | 47.4% | 0 | 0.0% |
| **1986** | 17 | 0 | 0.0% | 10 | 58.8% | 7 | 41.2% | 0 | 0.0% |
| **1987** | 46 | 1 | 2.2% | 26 | 56.5% | 18 | 39.1% | 1 | 2.2% |
| **1988** | 48 | 3 | 6.3% | 21 | 43.8% | 24 | 50.0% | 0 | 0.0% |
| **1989** | 73 | 3 | 4.1% | 36 | 49.3% | 33 | 45.2% | 1 | 1.4% |
| **1990** | 55 | 0 | 0.0% | 29 | 52.7% | 24 | 43.6% | 2 | 3.6% |
| **1991** | 78 | 0 | 0.0% | 50 | 64.1% | 28 | 35.9% | 0 | 0.0% |
| **1992** | 66 | 1 | 1.5% | 42 | 63.6% | 19 | 28.8% | 4 | 6.1% |
| **1993** | 63 | 4 | 6.3% | 34 | 54.0% | 25 | 39.7% | 0 | 0.0% |
| **1994** | 82 | 4 | 4.9% | 44 | 53.7% | 32 | 39.0% | 2 | 2.4% |
| **1995** | 71 | 2 | 2.8% | 45 | 63.4% | 24 | 33.8% | 0 | 0.0% |
| **1996** | 51 | 2 | 3.9% | 35 | 68.6% | 13 | 25.5% | 1 | 2.0% |
| **1997** | 54 | 1 | 1.9% | 33 | 61.1% | 16 | 29.6% | 4 | 7.4% |
| **1998** | 65 | 1 | 1.5% | 41 | 63.1% | 20 | 30.8% | 3 | 4.6% |
| **1999** | 64 | 1 | 1.6% | 47 | 73.4% | 14 | 21.9% | 2 | 3.1% |
| **2000** | 39 | 1 | 2.6% | 29 | 74.4% | 7 | 17.9% | 2 | 5.1% |
| **2001** | 57 | 2 | 3.5% | 39 | 68.4% | 12 | 21.1% | 4 | 7.0% |
| **2002** | 43 | 0 | 0.0% | 29 | 67.4% | 14 | 32.6% | 0 | 0.0% |
| **2003** | 48 | 4 | 8.3% | 27 | 56.3% | 13 | 27.1% | 4 | 8.3% |
| **2004** | 44 | 1 | 2.3% | 26 | 59.1% | 15 | 34.1% | 2 | 4.5% |
| **2005** | 46 | 5 | 10.9% | 28 | 60.9% | 10 | 21.7% | 3 | 6.5% |
| **2006** | 48 | 2 | 4.2% | 28 | 58.3% | 15 | 31.3% | 3 | 6.3% |
| **2007** | 36 | 3 | 8.3% | 20 | 55.6% | 12 | 33.3% | 1 | 2.8% |
| **2008** | 37 | 2 | 5.4% | 18 | 48.6% | 15 | 40.5% | 2 | 5.4% |
| **2009** | 43 | 3 | 7.0% | 21 | 48.8% | 15 | 34.9% | 4 | 9.3% |
| **2010** | 42 | 3 | 7.1% | 23 | 54.8% | 13 | 31.0% | 3 | 7.1% |
| **2011** | 48 | 5 | 10.4% | 33 | 68.8% | 9 | 18.8% | 1 | 2.1% |
| **2012** | 29 | 2 | 6.9% | 19 | 65.5% | 3 | 10.3% | 5 | 17.2% |
| **2013** | 30 | 2 | 6.7% | 17 | 56.7% | 10 | 33.3% | 1 | 3.3% |
| **2014** | 35 | 5 | 14.3% | 19 | 54.3% | 9 | 25.7% | 2 | 5.7% |
| **2015** | 40 | 0 | 0.0% | 27 | 67.5% | 8 | 20.0% | 5 | 12.5% |
| **2016** | 43 | 1 | 2.3% | 27 | 62.8% | 11 | 25.6% | 4 | 9.3% |
| **2017** | 34 | 3 | 8.8% | 20 | 58.8% | 6 | 17.6% | 5 | 14.7% |
| **2018** | 32 | 2 | 6.3% | 21 | 65.6% | 6 | 18.8% | 3 | 9.4% |
| **2019** | 40 | 3 | 7.5% | 26 | 65.0% | 8 | 20.0% | 3 | 7.5% |
| **2020** | 33 | 4 | 12.1% | 17 | 51.5% | 10 | 30.3% | 2 | 6.1% |
| **2021** | 23 | 1 | 4.3% | 14 | 60.9% | 8 | 34.8% | 0 | 0.0% |
| **Total** | 1,731 | 78 | 4.5% | 1,035 | 59.8% | 539 | 31.1% | 79 | 4.6% |

Data for 2020 and 2021 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, 1985-2021, Reported through June 30, 2022

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 2021, as Reported through June 30, 2022



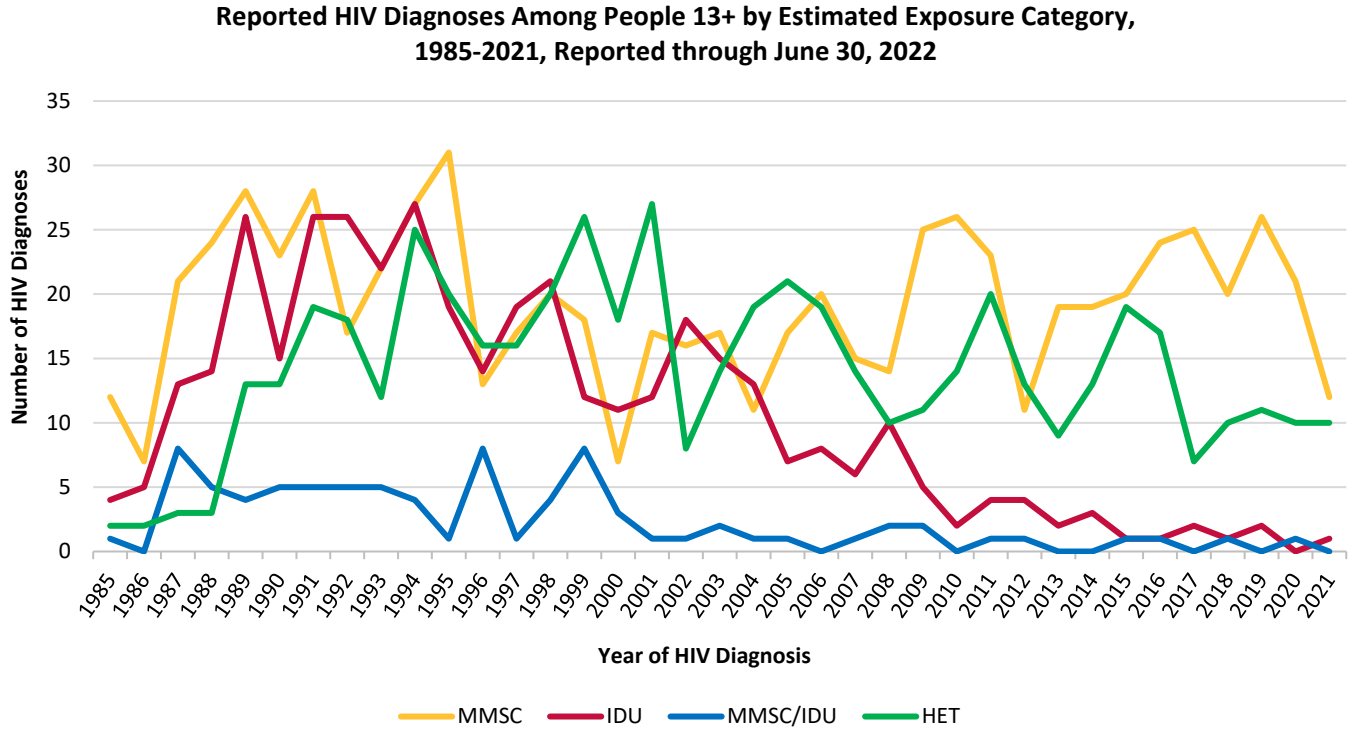



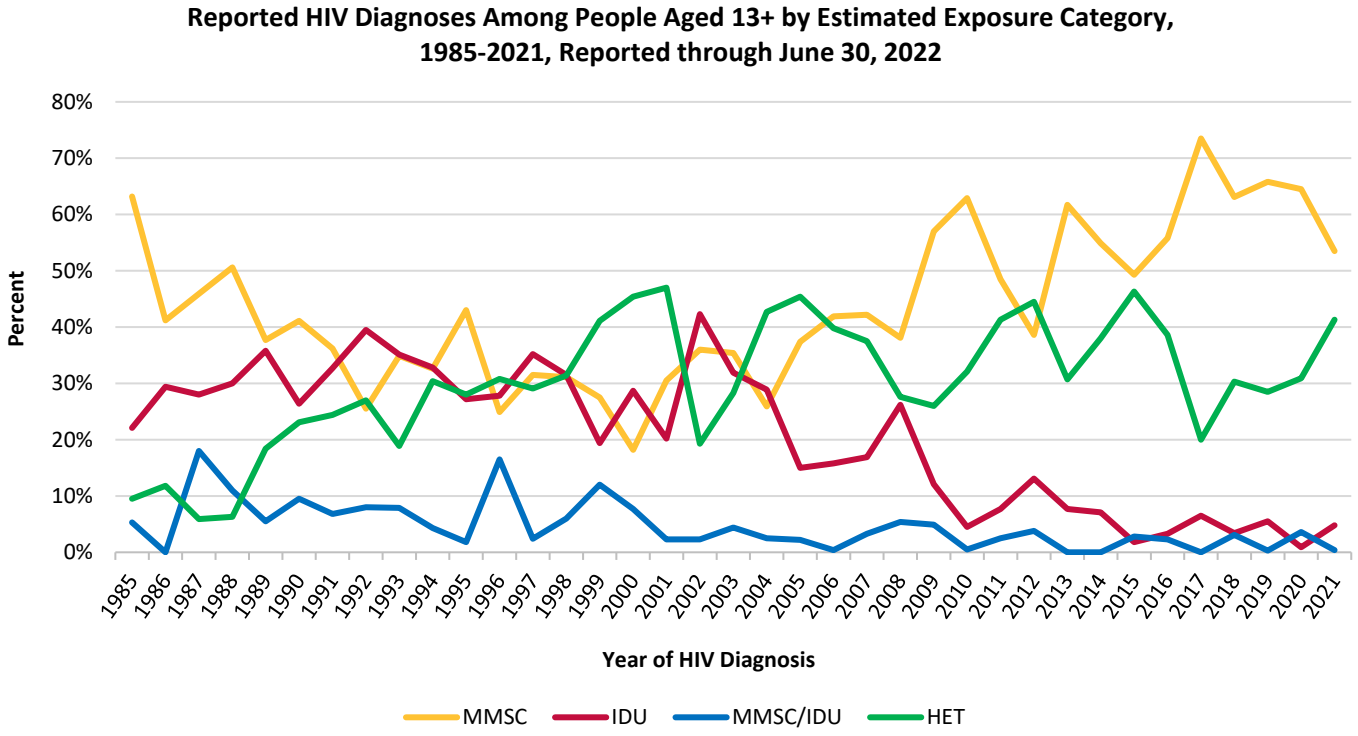
| Year of HIV Diagnosis | Reported HIV Diagnoses among People Aged 13+ | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Age at HIV Diagnosis | | | | | | | | | | | |
| | No. | 13-19 | | 20-29 | | 30-39 | | 40-49 | | 50-59 | | 60+ | |
| | | No. | % | No. | % | No. | % | No. | % | No. | % | No. | % |
| **<1985** | 9 | 1 | 11.1% | 3 | 33.3% | 3 | 33.3% | 1 | 11.1% | 1 | 11.1% | 0 | 0.0% |
| **1985** | 19 | 0 | 0.0% | 9 | 47.4% | 8 | 42.1% | 0 | 0.0% | 1 | 5.3% | 1 | 5.3% |
| **1986** | 17 | 0 | 0.0% | 5 | 29.4% | 7 | 41.2% | 3 | 17.6% | 1 | 5.9% | 1 | 5.9% |
| **1987** | 46 | 1 | 2.2% | 18 | 39.1% | 19 | 41.3% | 5 | 10.9% | 2 | 4.3% | 1 | 2.2% |
| **1988** | 48 | 0 | 0.0% | 12 | 25.0% | 28 | 58.3% | 4 | 8.3% | 3 | 6.3% | 1 | 2.1% |
| **1989** | 73 | 0 | 0.0% | 23 | 31.5% | 29 | 39.7% | 12 | 16.4% | 7 | 9.6% | 2 | 2.7% |
| **1990** | 55 | 1 | 1.8% | 20 | 36.4% | 22 | 40.0% | 8 | 14.5% | 3 | 5.5% | 1 | 1.8% |
| **1991** | 78 | 1 | 1.3% | 27 | 34.6% | 33 | 42.3% | 14 | 17.9% | 2 | 2.6% | 1 | 1.3% |
| **1992** | 66 | 2 | 3.0% | 20 | 30.3% | 27 | 40.9% | 11 | 16.7% | 6 | 9.1% | 0 | 0.0% |
| **1993** | 63 | 2 | 3.2% | 15 | 23.8% | 28 | 44.4% | 10 | 15.9% | 6 | 9.5% | 2 | 3.2% |
| **1994** | 82 | 1 | 1.2% | 15 | 18.3% | 41 | 50.0% | 17 | 20.7% | 4 | 4.9% | 4 | 4.9% |
| **1995** | 71 | 0 | 0.0% | 14 | 19.7% | 26 | 36.6% | 19 | 26.8% | 9 | 12.7% | 3 | 4.2% |
| **1996** | 51 | 1 | 2.0% | 15 | 29.4% | 22 | 43.1% | 12 | 23.5% | 0 | 0.0% | 1 | 2.0% |
| **1997** | 54 | 1 | 1.9% | 5 | 9.3% | 20 | 37.0% | 21 | 38.9% | 6 | 11.1% | 1 | 1.9% |
| **1998** | 65 | 4 | 6.2% | 11 | 16.9% | 29 | 44.6% | 14 | 21.5% | 6 | 9.2% | 1 | 1.5% |
| **1999** | 64 | 2 | 3.1% | 6 | 9.4% | 21 | 32.8% | 23 | 35.9% | 9 | 14.1% | 3 | 4.7% |
| **2000** | 39 | 0 | 0.0% | 6 | 15.4% | 20 | 51.3% | 10 | 25.6% | 1 | 2.6% | 2 | 5.1% |
| **2001** | 57 | 0 | 0.0% | 4 | 7.0% | 18 | 31.6% | 22 | 38.6% | 10 | 17.5% | 3 | 5.3% |
| **2002** | 43 | 1 | 2.3% | 8 | 18.6% | 10 | 23.3% | 14 | 32.6% | 7 | 16.3% | 3 | 7.0% |
| **2003** | 48 | 1 | 2.1% | 8 | 16.7% | 16 | 33.3% | 18 | 37.5% | 3 | 6.3% | 2 | 4.2% |
| **2004** | 44 | 2 | 4.5% | 10 | 22.7% | 10 | 22.7% | 18 | 40.9% | 3 | 6.8% | 1 | 2.3% |
| **2005** | 46 | 1 | 2.2% | 11 | 23.9% | 8 | 17.4% | 19 | 41.3% | 6 | 13.0% | 1 | 2.2% |
| **2006** | 48 | 4 | 8.3% | 10 | 20.8% | 11 | 22.9% | 11 | 22.9% | 7 | 14.6% | 5 | 10.4% |
| **2007** | 36 | 1 | 2.8% | 6 | 16.7% | 6 | 16.7% | 10 | 27.8% | 11 | 30.6% | 2 | 5.6% |
| **2008** | 37 | 1 | 2.7% | 8 | 21.6% | 10 | 27.0% | 9 | 24.3% | 3 | 8.1% | 6 | 16.2% |
| **2009** | 43 | 5 | 11.6% | 10 | 23.3% | 3 | 7.0% | 15 | 34.9% | 6 | 14.0% | 4 | 9.3% |
| **2010** | 42 | 1 | 2.4% | 12 | 28.6% | 5 | 11.9% | 11 | 26.2% | 11 | 26.2% | 2 | 4.8% |
| **2011** | 48 | 2 | 4.2% | 10 | 20.8% | 14 | 29.2% | 12 | 25.0% | 5 | 10.4% | 5 | 10.4% |
| **2012** | 29 | 1 | 3.4% | 7 | 24.1% | 5 | 17.2% | 8 | 27.6% | 4 | 13.8% | 4 | 13.8% |
| **2013** | 30 | 1 | 3.3% | 8 | 26.7% | 6 | 20.0% | 4 | 13.3% | 8 | 26.7% | 3 | 10.0% |
| **2014** | 35 | 2 | 5.7% | 9 | 25.7% | 4 | 11.4% | 10 | 28.6% | 9 | 25.7% | 1 | 2.9% |
| **2015** | 40 | 2 | 5.0% | 9 | 22.5% | 7 | 17.5% | 8 | 20.0% | 10 | 25.0% | 4 | 10.0% |
| **2016** | 43 | 0 | 0.0% | 21 | 48.8% | 6 | 14.0% | 4 | 9.3% | 10 | 23.3% | 2 | 4.7% |
| **2017** | 34 | 2 | 5.9% | 18 | 52.9% | 6 | 17.6% | 2 | 5.9% | 6 | 17.6% | 0 | 0.0% |
| **2018** | 32 | 1 | 3.1% | 12 | 37.5% | 8 | 25.0% | 3 | 9.4% | 6 | 18.8% | 2 | 6.3% |
| **2019** | 40 | 0 | 0.0% | 22 | 55.0% | 10 | 25.0% | 3 | 7.5% | 5 | 12.5% | 0 | 0.0% |
| **2020** | 33 | 0 | 0.0% | 12 | 36.4% | 7 | 21.2% | 7 | 21.2% | 5 | 15.2% | 2 | 6.1% |
| **2021** | 23 | 2 | 8.7% | 8 | 34.8% | 8 | 34.8% | 2 | 8.7% | 3 | 13.0% | 0 | 0.0% |
| **Total** | 1,731 | 47 | 2.7% | 447 | 25.8% | 561 | 32.4% | 394 | 22.8% | 205 | 11.8% | 77 | 4.4% |

Data for 2020 and 2021 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, 1985-2021, Reported through June 30, 2022

Number and Percent by Estimated Exposure Category§ of People Diagnosed with HIV, Aged 13+ at HIV Diagnosis, by Year of HIV Diagnosis from 1985 through 2021, as Reported through June 30, 2022




Other exposure category not shown.

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

| Year of HIV Diagnosis | Reported HIV Diagnoses among People Aged 13+ | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | No. | % with No Reported Exposure[¥] | Estimated Exposure Category[§] | | | | | | | | | |
| | | | MMSC | | IDU | | MMSC/IDU | | HET | | Other Exposure | |
| | | | No. | % | No. | % | No. | % | No. | % | No. | % |
| **<1985** | 9 | 22.2% | 5 | 50.0% | 1 | 14.4% | 1 | 12.2% | 1 | 12.2% | 1 | 11.1% |
| **1985** | 19 | 5.3% | 12 | 63.2% | 4 | 22.1% | 1 | 5.3% | 2 | 9.5% | 0 | 0.0% |
| **1986** | 17 | 0.0% | 7 | 41.2% | 5 | 29.4% | 0 | 0.0% | 2 | 11.8% | 3 | 17.6% |
| **1987** | 46 | 8.7% | 21 | 45.9% | 13 | 28.0% | 8 | 18.0% | 3 | 5.9% | 1 | 2.2% |
| **1988** | 48 | 8.3% | 24 | 50.6% | 14 | 30.0% | 5 | 11.0% | 3 | 6.3% | 1 | 2.1% |
| **1989** | 73 | 2.7% | 28 | 37.7% | 26 | 35.8% | 4 | 5.5% | 13 | 18.4% | 2 | 2.7% |
| **1990** | 55 | 5.5% | 23 | 41.1% | 15 | 26.4% | 5 | 9.5% | 13 | 23.1% | 0 | 0.0% |
| **1991** | 78 | 6.4% | 28 | 36.2% | 26 | 32.7% | 5 | 6.8% | 19 | 24.4% | 0 | 0.0% |
| **1992** | 66 | 7.6% | 17 | 25.5% | 26 | 39.5% | 5 | 8.0% | 18 | 27.0% | 0 | 0.0% |
| **1993** | 63 | 9.5% | 22 | 34.9% | 22 | 35.1% | 5 | 7.9% | 12 | 18.9% | 2 | 3.2% |
| **1994** | 82 | 12.2% | 27 | 32.6% | 27 | 32.8% | 4 | 4.3% | 25 | 30.4% | 0 | 0.0% |
| **1995** | 71 | 9.9% | 31 | 43.0% | 19 | 27.2% | 1 | 1.8% | 20 | 28.0% | 0 | 0.0% |
| **1996** | 51 | 11.8% | 13 | 24.9% | 14 | 27.8% | 8 | 16.5% | 16 | 30.8% | 0 | 0.0% |
| **1997** | 54 | 9.3% | 17 | 31.5% | 19 | 35.2% | 1 | 2.4% | 16 | 29.1% | 1 | 1.9% |
| **1998** | 65 | 15.4% | 20 | 31.1% | 21 | 31.5% | 4 | 6.0% | 20 | 31.4% | 0 | 0.0% |
| **1999** | 64 | 9.4% | 18 | 27.5% | 12 | 19.4% | 8 | 12.0% | 26 | 41.1% | 0 | 0.0% |
| **2000** | 39 | 5.1% | 7 | 18.2% | 11 | 28.7% | 3 | 7.7% | 18 | 45.4% | 0 | 0.0% |
| **2001** | 57 | 7.0% | 17 | 30.5% | 12 | 20.2% | 1 | 2.3% | 27 | 47.0% | 0 | 0.0% |
| **2002** | 43 | 18.6% | 16 | 36.0% | 18 | 42.3% | 1 | 2.3% | 8 | 19.3% | 0 | 0.0% |
| **2003** | 48 | 10.4% | 17 | 35.4% | 15 | 31.9% | 2 | 4.4% | 14 | 28.3% | 0 | 0.0% |
| **2004** | 44 | 13.6% | 11 | 25.9% | 13 | 28.9% | 1 | 2.5% | 19 | 42.7% | 0 | 0.0% |
| **2005** | 46 | 23.9% | 17 | 37.4% | 7 | 15.0% | 1 | 2.2% | 21 | 45.4% | 0 | 0.0% |
| **2006** | 48 | 14.6% | 20 | 41.9% | 8 | 15.8% | 0 | 0.4% | 19 | 39.8% | 1 | 2.1% |
| **2007** | 36 | 19.4% | 15 | 42.2% | 6 | 16.9% | 1 | 3.3% | 14 | 37.5% | 0 | 0.0% |
| **2008** | 37 | 24.3% | 14 | 38.1% | 10 | 26.2% | 2 | 5.4% | 10 | 27.6% | 1 | 2.7% |
| **2009** | 43 | 18.6% | 25 | 57.0% | 5 | 12.1% | 2 | 4.9% | 11 | 26.0% | 0 | 0.0% |
| **2010** | 42 | 21.4% | 26 | 62.9% | 2 | 4.5% | 0 | 0.5% | 14 | 32.1% | 0 | 0.0% |
| **2011** | 48 | 18.8% | 23 | 48.5% | 4 | 7.7% | 1 | 2.5% | 20 | 41.3% | 0 | 0.0% |
| **2012** | 29 | 13.8% | 11 | 38.6% | 4 | 13.1% | 1 | 3.8% | 13 | 44.5% | 0 | 0.0% |
| **2013** | 30 | 13.3% | 19 | 61.7% | 2 | 7.7% | 0 | 0.0% | 9 | 30.7% | 0 | 0.0% |
| **2014** | 35 | 22.9% | 19 | 54.9% | 3 | 7.1% | 0 | 0.0% | 13 | 38.0% | 0 | 0.0% |
| **2015** | 40 | 12.5% | 20 | 49.3% | 1 | 1.8% | 1 | 2.8% | 19 | 46.3% | 0 | 0.0% |
| **2016** | 43 | 7.0% | 24 | 55.8% | 1 | 3.3% | 1 | 2.3% | 17 | 38.6% | 0 | 0.0% |
| **2017** | 34 | 5.9% | 25 | 73.5% | 2 | 6.5% | 0 | 0.0% | 7 | 20.0% | 0 | 0.0% |
| **2018** | 32 | 6.3% | 20 | 63.1% | 1 | 3.4% | 1 | 3.1% | 10 | 30.3% | 0 | 0.0% |
| **2019** | 40 | 10.0% | 26 | 65.8% | 2 | 5.5% | 0 | 0.3% | 11 | 28.5% | 0 | 0.0% |
| **2020** | 33 | 9.1% | 21 | 64.5% | 0 | 0.9% | 1 | 3.6% | 10 | 30.9% | 0 | 0.0% |
| **2021** | 23 | 60.9% | 12 | 53.5% | 1 | 4.8% | 0 | 0.4% | 10 | 41.3% | 0 | 0.0% |
| **Total** | 1,731 | 12.1% | 718 | 41.5% | 392 | 22.6% | 85 | 4.9% | 523 | 30.2% | 13 | 0.8% |

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

[¥]Percent with no reported exposure prior to multiple imputation adjustment.

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

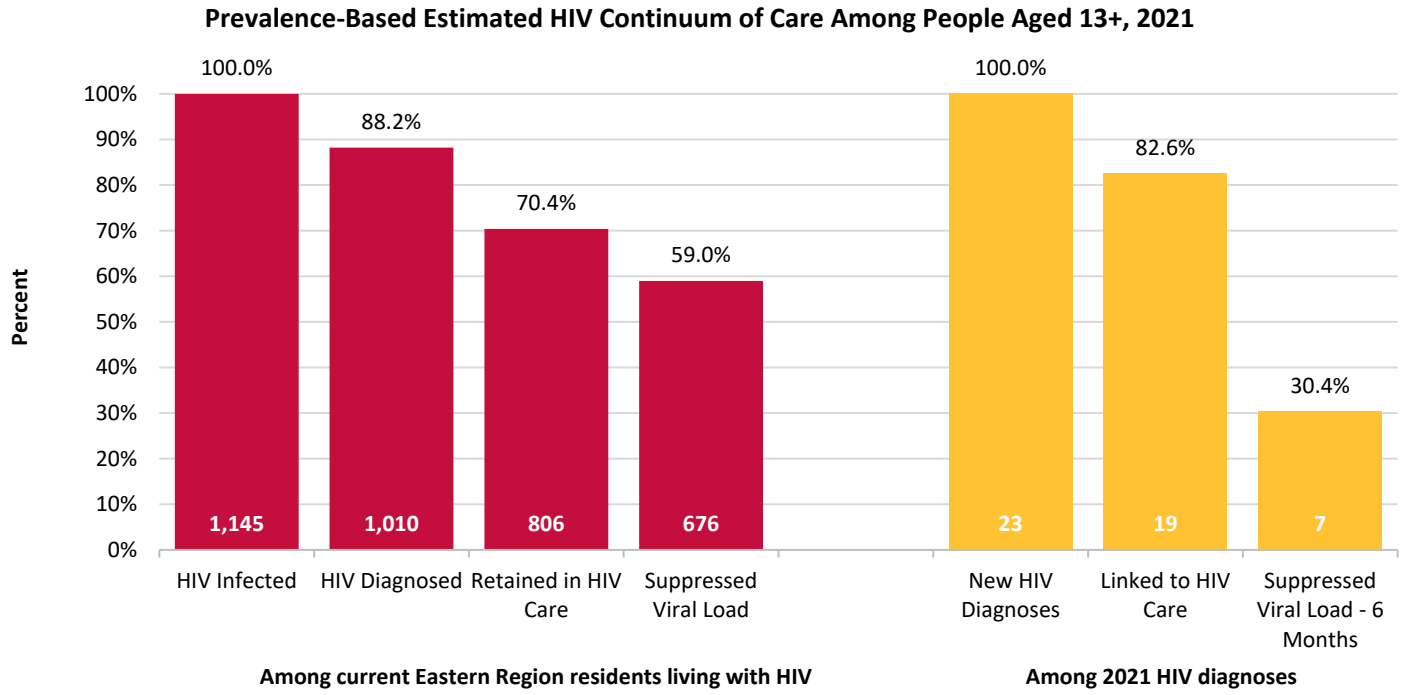
Data for 2020 and 2021 should be interpreted with caution due to the impact of the COVID-19 pandemic on access to HIV testing and care-related services.

## Section III – Continuum of Care Cascades

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

### Figure 8 – Prevalence-Based Estimated 2021 HIV Continuum of Care Cascades, among Current Eastern Region Residents Aged 13+, Reported through June 30, 2022

The prevalence-based Eastern Region Engagement in HIV Care Cascades (below) apply the CDC CD4 depletion model to Maryland surveillance data, reported through June 30, 2022, to estimate the number of people living with undiagnosed HIV (11.8%) and the estimated number of people living with HIV currently residing in the Eastern Region. Maryland surveillance data is then used to describe the number and percentage of persons living with HIV in the Eastern Region on December 31, 2021 and the number and percentage of new HIV diagnoses in 2021 who belong to each of the stages of engagement in HIV care.



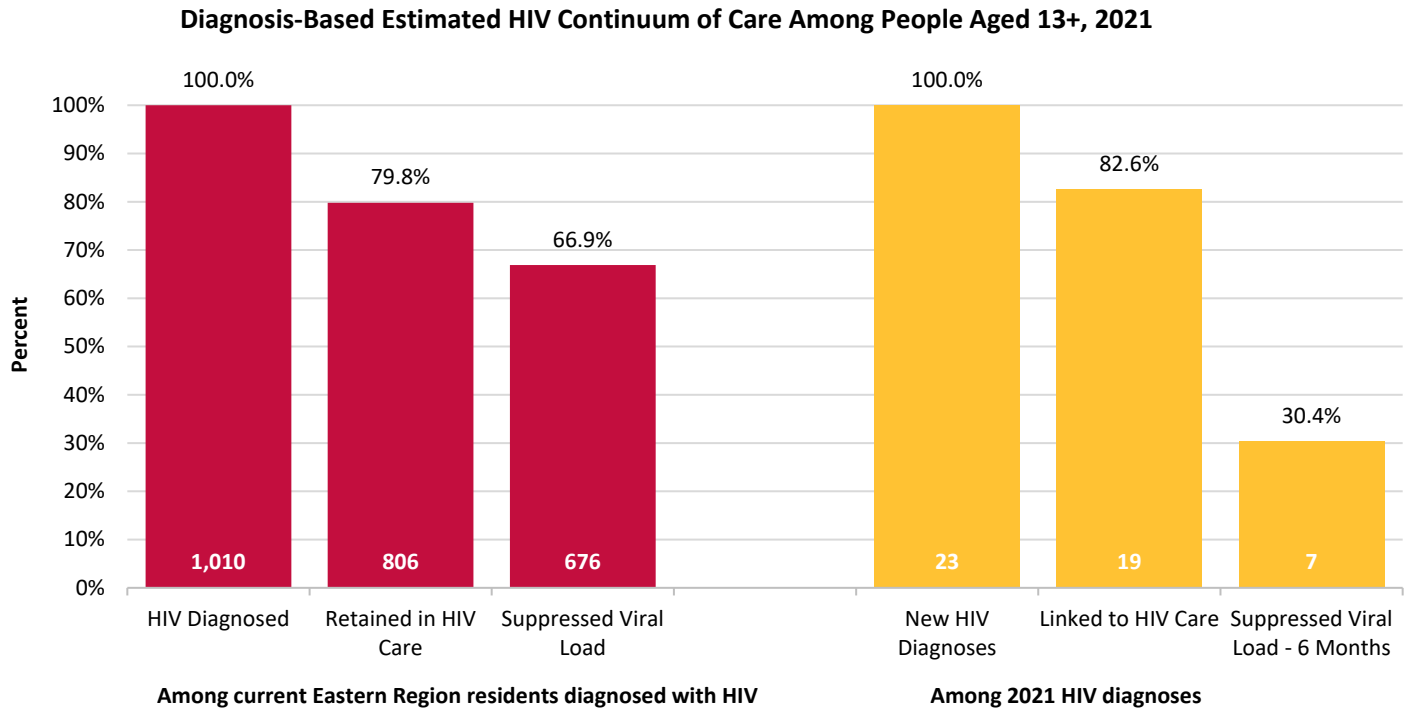

| Continuum of Care Stage | People Aged 13+ Living with HIV | | Continuum of Care Stage | Reported 2021 HIV Diagnoses | |
|---|---|---|---|---|---|
| | Number | Percent | | Number | Percent |
| HIV Infected | 1,145 | 100.0% | New HIV Diagnoses | 23 | 100.0% |
| HIV Diagnosed | 1,010 | 88.2% | Linked to HIV Care | 19 | 82.6% |
| Retained in HIV Care | 806 | 70.4% | Suppressed Viral Load – 6 Months | 7 | 30.4% |
| Suppressed Viral Load | 676 | 59.0% | | | |

Data for 2020 and 2021 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 9 – Diagnosis-Based Estimated 2021 HIV Continuum of Care Cascades, among Current Eastern Region Residents Aged 13+, Reported through June 30, 2022

The diagnosis-based Eastern Region Engagement in HIV Care Cascade (below) uses Maryland surveillance data for current Eastern Region residents to describe the number and percentage of persons living with diagnosed HIV in the Eastern Region on December 31, 2021 and the number and percentage of new HIV diagnoses in 2021 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 2021 HIV Diagnoses | |
|---|---|---|---|---|---|
| | Number | Percent | | Number | Percent |
| HIV Diagnosed | 1,010 | 100.0% | New HIV Diagnoses | 23 | 100.0% |
| Retained in HIV Care | 806 | 79.8% | Linked to HIV Care | 19 | 82.6% |
| Suppressed Viral Load | 676 | 66.9% | Suppressed Viral Load – 6 Months | 7 | 30.4% |

Data for 2020 and 2021 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 2021, by Jurisdiction of Residence at Diagnosis, Reported through June 30, 2022

| 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 |
| Caroline | 27,816 | 0 | 0.0% | 0.0 | 1 | 6.3% | 3.6 |
| Cecil | 87,791 | 1 | 4.3% | 1.1 | 3 | 18.8% | 3.4 |
| Dorchester | 27,673 | 4 | 17.4% | 14.5 | 0 | 0.0% | 0.0 |
| Kent | 17,162 | 3 | 13.0% | 17.5 | 1 | 6.3% | 5.8 |
| Queen Anne's | 43,380 | 1 | 4.3% | 2.3 | 2 | 12.5% | 4.6 |
| Somerset | 21,550 | 2 | 8.7% | 9.3 | 2 | 12.5% | 9.3 |
| Talbot | 32,881 | 2 | 8.7% | 6.1 | 2 | 12.5% | 6.1 |
| Wicomico | 87,489 | 9 | 39.1% | 10.3 | 4 | 25.0% | 4.6 |
| Worcester | 46,885 | 1 | 4.3% | 2.1 | 1 | 6.3% | 2.1 |
| **Total** | 392,627 | 23 | 100.0% | 5.9 | 16 | 100.0% | 4.1 |

Data for 2020 and 2021 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 2021, Linked to Care, Viral Suppression, Late Diagnosis, and First CD4 Test Result by Jurisdiction of Residence at Diagnosis, Reported through June 30, 2022

| Jurisdiction of Residence at HIV Diagnosis | Reported HIV Diagnoses among People Aged 13+ | | | | | |
|---|---|---|---|---|---|---|
| | No. | % Linked to Care | % Virally Suppressed - 6 months | % Late HIV Diagnoses | First CD4 Test Result | |
| | | | | | % with Test | Median Count |
| Caroline | 0 | -- | -- | -- | -- | -- |
| Cecil | 1 | *** | *** | *** | *** | *** |
| Dorchester | 4 | *** | *** | *** | *** | *** |
| Kent | 3 | *** | *** | *** | *** | *** |
| Queen Anne's | 1 | *** | *** | *** | *** | *** |
| Somerset | 2 | *** | *** | *** | *** | *** |
| Talbot | 2 | *** | *** | *** | *** | *** |
| Wicomico | 9 | 88.9% | 55.6% | *** | 100.0% | 279 |
| Worcester | 1 | *** | *** | *** | *** | *** |
| **Total** | 23 | 82.6% | 30.4% | 21.7% | 91.3% | 432 |

Data for 2020 and 2021 should be interpreted with caution due to the impact of the COVID-19 pandemic on access to HIV testing and care-related services.

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

## Table 3 – People Aged 13+ Living with Diagnosed HIV, Alive on December 31, 2021, by Jurisdiction of Residence at Diagnosis and Current Residence, Reported through June 30, 2022

| 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) | |
| Caroline | 27,816 | 67 | 7.4% | 240.9 | 415 | 66 | 6.5% | 237.3 | 421 | -1.5% |
| Cecil | 87,791 | 130 | 14.3% | 148.1 | 675 | 164 | 16.2% | 186.8 | 535 | 26.2% |
| Dorchester | 27,673 | 128 | 14.1% | 462.5 | 216 | 159 | 15.7% | 574.6 | 174 | 24.2% |
| Kent | 17,162 | 44 | 4.8% | 256.4 | 390 | 53 | 5.2% | 308.8 | 324 | 20.5% |
| Queen Anne's | 43,380 | 56 | 6.1% | 129.1 | 775 | 56 | 5.5% | 129.1 | 775 | 0.0% |
| Somerset | 21,550 | 78 | 8.6% | 361.9 | 276 | 93 | 9.2% | 431.6 | 232 | 19.2% |
| Talbot | 32,881 | 67 | 7.4% | 203.8 | 491 | 82 | 8.1% | 249.4 | 401 | 22.4% |
| Wicomico | 87,489 | 264 | 29.0% | 301.8 | 331 | 268 | 26.5% | 306.3 | 326 | 1.5% |
| Worcester | 46,885 | 77 | 8.5% | 164.2 | 609 | 69 | 6.8% | 147.2 | 679 | -10.4% |
| **Total** | 392,627 | 911 | 100.0% | 232.0 | 431 | 1,010 | 100.0% | 257.2 | 389 | 10.9% |

## Table 4 – CD4 Test Results during 2021 for People Aged 13+ Living with Diagnosed HIV, Alive on December 31, 2021, by Jurisdiction of Current Residence, Reported through June 30, 2022

| Jurisdiction of Current Residence | Total 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+ |
| Caroline | 66 | 53 | 80.3% | 695 | 7.5% | 7.5% | 15.1% | 69.8% |
| Cecil | 164 | 99 | 60.4% | 602 | 5.1% | 12.1% | 20.2% | 62.6% |
| Dorchester | 159 | 112 | 70.4% | 576 | 7.1% | 17.9% | 17.0% | 58.0% |
| Kent | 53 | 43 | 81.1% | 653 | 9.3% | 2.3% | 18.6% | 69.8% |
| Queen Anne's | 56 | 45 | 80.4% | 596 | 13.3% | 15.6% | 6.7% | 64.4% |
| Somerset | 93 | 68 | 73.1% | 681 | 10.3% | 5.9% | 14.7% | 69.1% |
| Talbot | 82 | 65 | 79.3% | 603 | 12.3% | 18.5% | 7.7% | 61.5% |
| Wicomico | 268 | 194 | 72.4% | 556 | 11.9% | 14.4% | 17.0% | 56.7% |
| Worcester | 69 | 57 | 82.6% | 607 | 5.3% | 7.0% | 12.3% | 75.4% |
| **Total** | 1,010 | 736 | 72.9% | 603 | 9.2% | 12.5% | 15.4% | 62.9% |

## Table 5 – Viral Load Test Results during 2021 for People Aged 13+ Living with Diagnosed HIV, Alive on December 31, 2021, by Jurisdiction of Current Residence, Reported through June 30, 2022

| Jurisdiction of Current Residence | Total People Aged 13+ Living with Diagnosed HIV | | | | |
|---|---|---|---|---|---|
| | No. | Recent Viral Load Test Result | | | |
| | | No. with Test | % with Test | % Suppressed | Median Unsuppressed Viral Load |
| Caroline | 66 | 56 | 84.8% | 94.6% | 30,300 |
| Cecil | 164 | 102 | 62.2% | 89.2% | 1,160 |
| Dorchester | 159 | 119 | 74.8% | 91.6% | 34,801 |
| Kent | 53 | 40 | 75.5% | 85.0% | 186,225 |
| Queen Anne's | 56 | 45 | 80.4% | 93.3% | 262 |
| Somerset | 93 | 70 | 75.3% | 88.6% | 35,350 |
| Talbot | 82 | 69 | 84.1% | 95.7% | 19,100 |
| Wicomico | 268 | 192 | 71.6% | 89.1% | 5,420 |
| Worcester | 69 | 54 | 78.3% | 88.9% | 4,345 |
| **Total** | 1,010 | 747 | 74.0% | 90.5% | 10,300 |

## Section V – By Age

### Table 6 – Reported HIV Diagnoses during 2021, Linked to Care, Viral Suppression, Late Diagnosis, and First CD4 Test Result by Age at HIV Diagnosis, Reported through June 30, 2022

| Age at HIV Diagnosis | Population | Reported HIV Diagnoses | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | No. | % of Total | Rate | % Linked to Care | % Virally Suppressed - 6 months | % Late HIV Diagnoses | First CD4 Test Result | |
| | | | | | | | | % with Test | Median Count |
| <5 (Pediatric) | 24,162 | 1 | 4.2% | 4.1 | *** | *** | *** | *** | *** |
| 5-12 (Pediatric) | 42,381 | 0 | 0.0% | 0.0 | -- | -- | -- | -- | -- |
| 13-19 | 41,616 | 2 | 8.3% | 4.8 | *** | *** | *** | *** | *** |
| 20-29 | 56,848 | 8 | 33.3% | 14.1 | 75.0% | *** | *** | 87.5% | 442 |
| 30-39 | 53,510 | 8 | 33.3% | 15.0 | 87.5% | *** | *** | 87.5% | 215 |
| 40-49 | 49,959 | 2 | 8.3% | 4.0 | *** | *** | *** | *** | *** |
| 50-59 | 63,553 | 3 | 12.5% | 4.7 | *** | *** | *** | *** | *** |
| 60+ | 127,141 | 0 | 0.0% | 0.0 | -- | -- | -- | -- | -- |
| **Total** | 459,170 | 24 | 100.0% | 5.2 | 83.3% | 29.2% | 25.0% | 91.7% | 408 |

Data for 2020 and 2021 should be interpreted with caution due to the impact of the COVID-19 pandemic on access to HIV testing and care-related services.

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

### Table 7 – People Living with Diagnosed HIV, Alive on December 31, 2021, by Age on December 31, 2021, Reported through June 30, 2022

| Age on December 31, 2021 | Population | Total People Living with Diagnosed HIV | | | |
|---|---|---|---|---|---|
| | | No. | % of Total | Rate | Ratio (1 in X) |
| <5 (Pediatric) | 24,162 | 1 | 0.1% | 4.1 | 24,162 |
| 5-12 (Pediatric) | 42,381 | 2 | 0.2% | 4.7 | 21,190 |
| 13-19 | 41,616 | 4 | 0.4% | 9.6 | 10,404 |
| 20-29 | 56,848 | 74 | 7.3% | 130.2 | 768 |
| 30-39 | 53,510 | 155 | 15.3% | 289.7 | 345 |
| 40-49 | 49,959 | 179 | 17.7% | 358.3 | 279 |
| 50-59 | 63,553 | 290 | 28.6% | 456.3 | 219 |
| 60+ | 127,141 | 308 | 30.4% | 242.3 | 413 |
| **Total** | 459,170 | 1,013 | 100.0% | 220.6 | 453 |

## Table 8 – CD4 Test Results during 2021 for People Aged 13+ Living with Diagnosed HIV, Alive on December 31, 2021, by Age on December 31, 2021, Reported through June 30, 2022

| Age on December 31, 2021 | Total People Aged 13+ Living with Diagnosed HIV | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | No. | Recent CD4 Test Results | | | | | | |
| | | No. with Test | % with Test | Median Count | <200 | 200-349 | 350-499 | 500+ |
| 13-19 | 4 | *** | *** | *** | *** | *** | *** | *** |
| 20-29 | 74 | *** | *** | *** | *** | *** | *** | *** |
| 30-39 | 155 | 108 | 69.7% | 581 | 8.3% | 13.0% | 15.7% | 63.0% |
| 40-49 | 179 | 120 | 67.0% | 559 | 15.0% | 14.2% | 15.8% | 55.0% |
| 50-59 | 290 | 219 | 75.5% | 622 | 7.8% | 11.9% | 16.4% | 63.9% |
| 60+ | 308 | 225 | 73.1% | 619 | 9.8% | 11.6% | 13.8% | 64.9% |
| **Total** | 1,010 | 736 | 72.9% | 603 | 9.2% | 12.5% | 15.4% | 62.9% |

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

## Table 9 – Viral Load Test Results during 2021 for People Living with Diagnosed HIV, Alive on December 31, 2021, by Age on December 31, 2021, Reported through June 30, 2022

| Age on December 31, 2021 | Total People Aged 13+ Living with Diagnosed HIV | | | | |
|---|---|---|---|---|---|
| | No. | Recent Viral Load Test Result | | | |
| | | No. with Test | % with Test | % Suppressed | Median Unsuppressed Viral Load |
| 13-19 | 4 | *** | *** | *** | *** |
| 20-29 | 74 | *** | *** | *** | *** |
| 30-39 | 155 | 107 | 69.0% | 86.0% | 19,100 |
| 40-49 | 179 | 126 | 70.4% | 86.5% | 11,600 |
| 50-59 | 290 | 223 | 76.9% | 92.4% | 7,280 |
| 60+ | 308 | 224 | 72.7% | 95.5% | 2,340 |
| **Total** | 1,010 | 747 | 74.0% | 90.5% | 10,300 |

*** 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 2021, Linked to Care, Viral Suppression, Late Diagnosis, and First CD4 Test Result by Sex at Birth, Gender, Race/Ethnicity, and Country of Birth, Reported through June 30, 2022

| Demographic Characteristics | Population Aged 13+ | Reported HIV Diagnoses among People Aged 13+ | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | No. | % of Total | Rate | % Linked to Care | % Virally Suppressed - 6 months | % Late HIV Diagnoses | First CD4 Test Result | |
| | | | | | | | | % with Test | Median Count |
| **Sex at Birth** | | | | | | | | | |
| Female | 201,712 | 8 | 34.8% | 4.0 | 87.5% | *** | *** | 100.0% | 329 |
| Male | 190,916 | 15 | 65.2% | 7.9 | 80.0% | *** | *** | 86.7% | 432 |
| **Gender** | | | | | | | | | |
| Cisgender Man or Boy | 190,916 | 15 | 65.2% | 7.9 | 80.0% | *** | *** | 86.7% | 432 |
| Cisgender Woman or Girl | 201,712 | 8 | 34.8% | 4.0 | 87.5% | *** | *** | 100.0% | 329 |
| Transgender Woman or Girl | -- | 0 | 0.0% | 0.0 | -- | -- | -- | -- | -- |
| Transgender Man or Boy | -- | 0 | 0.0% | 0.0 | -- | -- | -- | -- | -- |
| Another Gender Identity | -- | 0 | 0.0% | 0.0 | -- | -- | -- | -- | -- |
| **Race/Ethnicity** | | | | | | | | | |
| **Hispanic** | 17,763 | 1 | 4.3% | 5.6 | *** | *** | *** | *** | *** |
| **Non-Hispanic** | 374,864 | 22 | 95.7% | 5.9 | 81.8% | 31.8% | *** | 90.9% | 437 |
| American Indian/Alaska Native, only | 1,133 | 0 | 0.0% | 0.0 | -- | -- | -- | -- | -- |
| Asian, only | 6,543 | 0 | 0.0% | 0.0 | -- | -- | -- | -- | -- |
| Black, only | 62,660 | 14 | 60.9% | 22.3 | 78.6% | *** | *** | 92.9% | 279 |
| Native Hawaiian/Other Pacific Islander, only | 172 | 0 | 0.0% | 0.0 | -- | -- | -- | -- | -- |
| White, only | 297,577 | 8 | 34.8% | 2.7 | *** | *** | *** | *** | *** |
| Multiracial/Other | 6,779 | 0 | 0.0% | 0.0 | -- | -- | -- | -- | -- |
| **Total** | 392,627 | 23 | 100.0% | 5.9 | 82.6% | 30.4% | 21.7% | 91.3% | 432 |
| **Country of Birth** | | | | | | | | | |
| **United States** | 364,647 | 19 | 82.6% | 5.2 | *** | *** | *** | *** | *** |
| **Foreign-Born** | 23,698 | 2 | 8.7% | 8.4 | *** | *** | *** | *** | *** |
| Africa | -- | 0 | 0.0% | -- | -- | -- | -- | -- | -- |
| Asia | -- | 0 | 0.0% | -- | -- | -- | -- | -- | -- |
| Caribbean | -- | 2 | 8.7% | -- | *** | *** | *** | *** | *** |
| Central America | -- | 0 | 0.0% | -- | -- | -- | -- | -- | -- |
| Other | -- | 0 | 0.0% | -- | -- | -- | -- | -- | -- |
| **Unknown** | -- | 2 | 8.7% | -- | *** | *** | *** | *** | *** |
| **Total** | 388,345 | 23 | 100.0% | 5.9 | 82.6% | 30.4% | 21.7% | 91.3% | 432 |

*Note*. Population data by sex at birth, age, and race/ethnicity are from the 2021 United States Census population estimates. Population data by gender are unavailable. Population data by country of birth are from the 2020 American Community Survey.

Data for 2020 and 2021 should be interpreted with caution due to the impact of the COVID-19 pandemic on access to HIV testing and care-related services.

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

## Table 11 – Reported HIV Diagnoses, among People Aged 13+ during 2021 by Sex at Birth and Race/Ethnicity, Reported through June 30, 2022

| Race/Ethnicity | Reported HIV Diagnoses among People Aged 13+ | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | Sex at Birth | | | | | | | |
| | Female | | | | Male | | | |
| | Population 13+ | No. | % of Total | Rate | Population 13+ | No. | % of Total | Rate |
| **Hispanic** | 8,560 | 0 | 0.0% | 0.0 | 9,204 | 1 | 6.7% | 10.9 |
| **Non-Hispanic** | 193,152 | 8 | 100.0% | 4.1 | 181,712 | 14 | 93.3% | 7.7 |
| American Indian/Alaska Native, only | 548 | 0 | 0.0% | 0.0 | 585 | 0 | 0.0% | 0.0 |
| Asian, only | 3,605 | 0 | 0.0% | 0.0 | 2,937 | 0 | 0.0% | 0.0 |
| Black, only | 32,229 | 5 | 62.5% | 15.5 | 30,431 | 9 | 60.0% | 29.6 |
| Native Hawaiian/Other Pacific Islander, only | 74 | 0 | 0.0% | 0.0 | 99 | 0 | 0.0% | 0.0 |
| White, only | 153,154 | 3 | 37.5% | 2.0 | 144,423 | 5 | 33.3% | 3.5 |
| Multiracial/Other | 3,542 | 0 | 0.0% | 0.0 | 3,237 | 0 | 0.0% | 0.0 |
| **Total** | 201,712 | 8 | 100.0% | 4.0 | 190,916 | 15 | 100.0% | 7.9 |

*Note*. Population data by sex at birth, age, and race/ethnicity are from the 2021 United State Census population estimates.

Data for 2020 and 2021 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, 2021, by Sex at Birth, Gender, Race/Ethnicity, and Country of Birth, Reported through June 30, 2022

| Demographic Characteristics | Population Aged 13+ | Total People Aged 13+ Living with Diagnosed HIV | | | |
|---|---|---|---|---|---|
| | | No. | % of Total | Rate | Ratio (1 in X) |
| **Sex at Birth** | | | | | |
| Female | 201,712 | 294 | 29.1% | 145.8 | 686 |
| Male | 190,916 | 716 | 70.9% | 375.0 | 267 |
| **Gender** | | | | | |
| Cisgender Man or Boy | 190,916 | 709 | 70.2% | 371.4 | 269 |
| Cisgender Woman or Girl | 201,712 | 293 | 29.0% | 145.3 | 688 |
| Transgender Woman or Girl | -- | 6 | 0.6% | -- | -- |
| Transgender Man or Boy | -- | 1 | 0.1% | -- | -- |
| Another Gender Identity | -- | 1 | 0.1% | -- | -- |
| **Race/Ethnicity** | | | | | |
| **Hispanic** | 17,763 | 60 | 5.9% | 337.8 | 296 |
| **Non-Hispanic** | 374,864 | 950 | 94.1% | 253.4 | 395 |
| American Indian/Alaska Native, only | 1,133 | 1 | 0.1% | 88.3 | 1,133 |
| Asian, only | 6,543 | 5 | 0.5% | 76.4 | 1,309 |
| Black, only | 62,660 | 569 | 56.3% | 908.1 | 110 |
| Native Hawaiian/Other Pacific Islander, only | 172 | 0 | 0.0% | 0.0 | -- |
| White, only | 297,577 | 300 | 29.7% | 100.8 | 992 |
| Multiracial/Other | 6,779 | 75 | 7.4% | 1,106.3 | 90 |
| **Total** | 392,627 | 1,010 | 100.0% | 257.2 | 389 |
| **Country of Birth** | | | | | |
| **United States** | 364,647 | 911 | 90.2% | 249.8 | 400 |
| **Foreign-Born** | 23,698 | 83 | 8.2% | 350.2 | 286 |
| Africa | -- | 15 | 1.5% | -- | -- |
| Asia | -- | 2 | 0.2% | -- | -- |
| Caribbean | -- | 45 | 4.5% | -- | -- |
| Central America | -- | 15 | 1.5% | -- | -- |
| Other | -- | 6 | 0.6% | -- | -- |
| **Unknown** | -- | 16 | 1.6% | -- | -- |
| **Total** | 388,345 | 1,010 | 100.0% | 260.1 | 384 |

*Note.* Population data by sex at birth, age, and race/ethnicity are from the 2021 United States Census population estimates. Population data by gender are unavailable. Population data by country of birth are from the 2020 American Community Survey.

## Table 13 – People Aged 13+ Living with Diagnosed HIV, Alive on December 31, 2021, by Sex at Birth and Race/Ethnicity, Reported through June 30, 2022

| Race/Ethnicity | Total People Aged 13+ Living with Diagnosed HIV | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | Sex at Birth | | | | | | | |
| | Female | | | | Male | | | |
| | Population 13+ | No. | % of Total | Rate | Population 13+ | No. | % of Total | Rate |
| **Hispanic** | 8,560 | 16 | 5.4% | 186.9 | 9,204 | 44 | 6.1% | 478.1 |
| **Non-Hispanic** | 193,152 | 278 | 94.6% | 143.9 | 181,712 | 672 | 93.9% | 369.8 |
| American Indian/Alaska Native, only | 548 | *** | *** | *** | 585 | *** | *** | *** |
| Asian, only | 3,605 | *** | *** | *** | 2,937 | *** | *** | *** |
| Black, only | 32,229 | 198 | 67.3% | 614.4 | 30,431 | 371 | 51.8% | 1,219.2 |
| Native Hawaiian/Other Pacific Islander, only | 74 | 0 | 0.0% | 0.0 | 99 | 0 | 0.0% | 0.0 |
| White, only | 153,154 | 61 | 20.7% | 39.8 | 144,423 | 239 | 33.4% | 165.5 |
| Multiracial/Other | 3,542 | 19 | 6.5% | 536.4 | 3,237 | 56 | 7.8% | 1,730.0 |
| **Total** | 201,712 | 294 | 100.0% | 145.8 | 190,916 | 716 | 100.0% | 375.0 |

*Note.* Population data by sex at birth, age, and race/ethnicity are from the 2021 United States Census population estimates.

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

## Table 14 – CD4 Test Results during 2021 for People Aged 13+ Living with Diagnosed HIV, Alive on December 31, 2021, by Sex at Birth, Gender, Race/Ethnicity, and Country of Birth, Reported through June 30, 2022

| Demographic Characteristics | Total People Aged 13+ Living with Diagnosed HIV | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | No. | Recent CD4 Test Result | | | | | | |
| | | No. with Test | % with Test | Median Count | <200 | 200-349 | 350-499 | 500+ |
| **Sex at Birth** | | | | | | | | |
| Female | 294 | 221 | 75.2% | 653 | 9.0% | 10.9% | 13.6% | 66.5% |
| Male | 716 | 515 | 71.9% | 580 | 9.3% | 13.2% | 16.1% | 61.4% |
| **Gender** | | | | | | | | |
| Cisgender Man or Boy | 709 | 509 | 71.8% | 574 | 9.2% | 13.4% | 16.3% | 61.1% |
| Cisgender Woman or Girl | 293 | 220 | 75.1% | 653 | 9.1% | 10.9% | 13.2% | 66.8% |
| Transgender Woman or Girl | 6 | 6 | 100.0% | 972 | 16.7% | 0.0% | 0.0% | 83.3% |
| Transgender Man or Boy | 1 | *** | *** | *** | *** | *** | *** | *** |
| Another Gender Identity | 1 | *** | *** | *** | *** | *** | *** | *** |
| **Race/Ethnicity** | | | | | | | | |
| **Hispanic** | 60 | 31 | 51.7% | 637 | 6.5% | 12.9% | 19.4% | 61.3% |
| **Non-Hispanic** | 950 | 705 | 74.2% | 602 | 9.4% | 12.5% | 15.2% | 63.0% |
| American Indian/Alaska Native, only | 1 | *** | *** | *** | *** | *** | *** | *** |
| Asian, only | 5 | *** | *** | *** | *** | *** | *** | *** |
| Black, only | 569 | 418 | 73.5% | 598 | 9.3% | 13.6% | 13.9% | 63.2% |
| Native Hawaiian/Other Pacific Islander, only | 0 | -- | -- | -- | -- | -- | -- | -- |
| White, only | 300 | 224 | 74.7% | 602 | 7.1% | 12.1% | 16.5% | 64.3% |
| Multiracial/Other | 75 | 60 | 80.0% | 622 | 18.3% | 6.7% | 20.0% | 55.0% |
| **Country of Birth** | | | | | | | | |
| **United States** | 911 | 674 | 74.0% | 610 | 8.9% | 12.3% | 15.0% | 63.8% |
| **Foreign-Born** | 83 | 52 | 62.7% | 535 | 15.4% | 13.5% | 19.2% | 51.9% |
| Africa | 15 | 12 | 80.0% | 786 | 0.0% | 0.0% | 16.7% | 83.3% |
| Asia | 2 | *** | *** | *** | *** | *** | *** | *** |
| Caribbean | 45 | 26 | 57.8% | 406 | 26.9% | 15.4% | 19.2% | 38.5% |
| Central America | 15 | 7 | 46.7% | 419 | 14.3% | 28.6% | 28.6% | 28.6% |
| Other | 6 | *** | *** | *** | *** | *** | *** | *** |
| **Unknown** | 16 | 10 | 62.5% | 550 | 0.0% | 20.0% | 20.0% | 60.0% |
| **Total** | 1,010 | 736 | 72.9% | 603 | 9.2% | 12.5% | 15.4% | 62.9% |

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

## Table 15 – Viral Load Test Results during 2021 for People Aged 13+ Living with Diagnosed HIV, Alive on December 31, 2021, by Sex at Birth, Gender, Race/Ethnicity, and Country of Birth, Reported through June 30, 2022

| Demographic Characteristics | Total People Aged 13+ Living with Diagnosed HIV | | | | |
|---|---|---|---|---|---|
| | No. | Recent Viral Load Test Result | | | |
| | | No. with Test | % with Test | % Suppressed | Median Unsuppressed Viral Load |
| **Sex at Birth** | | | | | |
| Female | 294 | 219 | 74.5% | 90.4% | 2,110 |
| Male | 716 | 528 | 73.7% | 90.5% | 13,800 |
| **Gender** | | | | | |
| Cisgender Man or Boy | 709 | 522 | 73.6% | 90.6% | 12,500 |
| Cisgender Woman or Girl | 293 | 218 | 74.4% | 90.4% | 2,110 |
| Transgender Woman or Girl | 6 | 5 | 83.3% | 100.0% | -- |
| Transgender Man or Boy | 1 | *** | *** | *** | *** |
| Another Gender Identity | 1 | *** | *** | *** | *** |
| **Race/Ethnicity** | | | | | |
| **Hispanic** | 60 | 35 | 58.3% | 91.4% | 8,100 |
| **Non-Hispanic** | 950 | 712 | 74.9% | 90.4% | 10,950 |
| American Indian/Alaska Native, only | 1 | *** | *** | *** | *** |
| Asian, only | 5 | *** | *** | *** | *** |
| Black, only | 569 | 422 | 74.2% | 89.1% | 23,300 |
| Native Hawaiian/Other Pacific Islander, only | 0 | -- | -- | -- | -- |
| White, only | 300 | 232 | 77.3% | 93.5% | 2,110 |
| Multiracial/Other | 75 | 54 | 72.0% | 87.0% | 10,300 |
| **Country of Birth** | | | | | |
| **United States** | 911 | 683 | 75.0% | 91.5% | 9,900 |
| **Foreign-Born** | 83 | 54 | 65.1% | 77.8% | 44,050 |
| Africa | 15 | 11 | 73.3% | 100.0% | -- |
| Asia | 2 | *** | *** | *** | *** |
| Caribbean | 45 | 29 | 64.4% | 62.1% | 43,900 |
| Central America | 15 | 7 | 46.7% | 85.7% | 1,080,000 |
| Other | 6 | *** | *** | *** | *** |
| **Unknown** | 16 | 10 | 62.5% | 90.0% | 200 |
| **Total** | 1,010 | 747 | 74.0% | 90.5% | 10,300 |

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

## Table 16 – Females Living with Diagnosed HIV by Age on December 31, 2021 and Race/Ethnicity, Alive on December 31, 2021, and Reported through June 30, 2022

| Total Females Living with Diagnosed HIV | | | | | | |
|---|---|---|---|---|---|---|
| Age on December 31, 2021 | | Race/Ethnicity | | | | Total Females by Age Group |
| | | Hispanic | Non-Hispanic Black, only | Non-Hispanic White, only | Non-Hispanic Other Race | |
| <13 (Pediatric) | Population | 3,577 | 6,394 | 19,964 | 2,524 | 32,460 |
| | Number | 0 | 3 | 0 | 0 | 3 |
| | Rate | 0.0 | 46.9 | 0.0 | 0.0 | 9.2 |
| | Ratio (1 in X) | -- | 2,131 | -- | -- | 10,820 |
| 13-19 | Population | 1,668 | 3,994 | 13,566 | 1,475 | 20,702 |
| | Number | 0 | 1 | 2 | 0 | 3 |
| | Rate | 0.0 | 25.0 | 14.7 | 0.0 | 14.5 |
| | Ratio (1 in X) | -- | 3,994 | 6,783 | -- | 6,901 |
| 20-29 | Population | 1,652 | 5,621 | 19,508 | 1,594 | 28,375 |
| | Number | 0 | 9 | 2 | 1 | 12 |
| | Rate | 0.0 | 160.1 | 10.3 | 62.7 | 42.3 |
| | Ratio (1 in X) | -- | 625 | 9,754 | 1,594 | 2,365 |
| 30-39 | Population | 1,666 | 4,895 | 19,196 | 1,167 | 26,924 |
| | Number | 2 | 29 | 6 | 6 | 43 |
| | Rate | 120.0 | 592.4 | 31.3 | 514.1 | 159.7 |
| | Ratio (1 in X) | 833 | 169 | 3,199 | 195 | 626 |
| 40-49 | Population | 1,659 | 4,202 | 18,481 | 1,037 | 25,379 |
| | Number | 5 | 43 | 15 | 5 | 68 |
| | Rate | 301.4 | 1,023.3 | 81.2 | 482.2 | 267.9 |
| | Ratio (1 in X) | 332 | 98 | 1,232 | 207 | 373 |
| 50-59 | Population | 931 | 4,816 | 25,743 | 916 | 32,406 |
| | Number | *** | 54 | 21 | *** | 84 |
| | Rate | *** | 1,121.3 | 81.6 | *** | 259.2 |
| | Ratio (1 in X) | *** | 89 | 1,226 | *** | 386 |
| 60+ | Population | 984 | 8,701 | 56,660 | 1,581 | 67,926 |
| | Number | *** | 62 | 15 | *** | 84 |
| | Rate | *** | 712.6 | 26.5 | *** | 123.7 |
| | Ratio (1 in X) | *** | 140 | 3,777 | *** | 809 |
| Total Females by Race/Ethnicity | Population | 12,137 | 38,623 | 173,118 | 10,294 | 234,172 |
| | Number | 16 | 201 | 61 | 19 | 297 |
| | Rate | 131.8 | 520.4 | 35.2 | 184.6 | 126.8 |
| | Ratio (1 in X) | 759 | 192 | 2,838 | 542 | 788 |

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

Table 17 – Males Living with Diagnosed HIV by Age on December 31, 2021 and Race/Ethnicity, Alive on December 31, 2021, and Reported through June 30, 2022

| Total Males Living with Diagnosed HIV | | | | | | |
|---|---|---|---|---|---|---|
| Age on December 31, 2021 | | Race/Ethnicity | | | | Total Males by Age Group |
| | | Hispanic | Non-Hispanic Black, only | Non-Hispanic White, only | Non-Hispanic Other Race | |
| <13 (Pediatric) | Population | 3,685 | 6,454 | 21,165 | 2,778 | 34,082 |
| | Number | 0 | 0 | 0 | 0 | 0 |
| | Rate | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Ratio (1 in X) | -- | -- | -- | -- | -- |
| 13-19 | Population | 1,644 | 4,067 | 13,822 | 1,382 | 20,915 |
| | Number | 0 | 1 | 0 | 0 | 1 |
| | Rate | 0.0 | 24.6 | 0.0 | 0.0 | 4.8 |
| | Ratio (1 in X) | -- | 4,067 | -- | -- | 20,915 |
| 20-29 | Population | 1,810 | 6,129 | 19,155 | 1,379 | 28,473 |
| | Number | 6 | 41 | 11 | 4 | 62 |
| | Rate | 331.5 | 669.0 | 57.4 | 290.1 | 217.8 |
| | Ratio (1 in X) | 302 | 149 | 1,741 | 345 | 459 |
| 30-39 | Population | 1,937 | 4,900 | 18,821 | 928 | 26,586 |
| | Number | *** | 63 | 24 | *** | 112 |
| | Rate | *** | 1,285.7 | 127.5 | *** | 421.3 |
| | Ratio (1 in X) | *** | 78 | 784 | *** | 237 |
| 40-49 | Population | 1,640 | 4,198 | 17,862 | 880 | 24,580 |
| | Number | *** | 59 | 31 | *** | 111 |
| | Rate | *** | 1,405.4 | 173.6 | *** | 451.6 |
| | Ratio (1 in X) | *** | 71 | 576 | *** | 221 |
| 50-59 | Population | 1,187 | 4,529 | 24,572 | 859 | 31,147 |
| | Number | *** | 104 | 74 | *** | 206 |
| | Rate | *** | 2,296.3 | 301.2 | *** | 661.4 |
| | Ratio (1 in X) | *** | 44 | 332 | *** | 151 |
| 60+ | Population | 986 | 6,608 | 50,191 | 1,430 | 59,215 |
| | Number | *** | 103 | 99 | *** | 224 |
| | Rate | *** | 1,558.7 | 197.2 | *** | 378.3 |
| | Ratio (1 in X) | *** | 64 | 507 | *** | 264 |
| Total Males by Race/Ethnicity | Population | 12,889 | 36,885 | 165,588 | 9,636 | 224,998 |
| | Number | 44 | 371 | 239 | 62 | 716 |
| | Rate | 341.4 | 1,005.8 | 144.3 | 643.4 | 318.2 |
| | Ratio (1 in X) | 293 | 99 | 693 | 155 | 314 |

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

## Section VII – By HIV Exposure Category

### Table 18 – Reported HIV Diagnoses, among People Aged 13+ during 2021, Linked to Care, Viral Suppression, Late Diagnosis, and First CD4 Test Result, by Estimated or Reported Exposure Category and Sex at Birth, Reported through June 30, 2022

| Estimated or Reported Exposure Category | Reported HIV Diagnoses among People Aged 13+ | | | | | | |
|---|---|---|---|---|---|---|---|
| | No. | % of Total | % Linked to Care | % Virally Suppressed - 6 months | % Late HIV Diagnoses | First CD4 Test Result | |
| | | | | | | % with Test | Median Count |
| Male-to-male Sexual Contact (MMSC) | 12 | 53.5% | *** | *** | *** | *** | *** |
| Injection Drug Use (IDU) | 1 | 4.8% | *** | *** | *** | *** | *** |
| Male-to-male Sexual Contact and Injection Drug Use (MMSC/IDU) | 0 | 0.0% | -- | -- | -- | -- | -- |
| Heterosexual Contact (HET) | 10 | 41.3% | 90.5% | 47.4% | *** | 100.0% | 215 |
| Perinatal Transmission | 0 | 0.0% | -- | -- | -- | -- | -- |
| Other Exposure | 0 | 0.0% | -- | -- | -- | -- | -- |
| No Estimated or Reported Exposure | 0 | 0.0% | -- | -- | -- | -- | -- |
| **Total** | 23 | 100.0% | 82.6% | 30.4% | 21.7% | 91.3% | 432 |
| **Female Estimated or Reported Exposure Category** | | | | | | | |
| Injection Drug Use (IDU) | 1 | 0.0% | *** | *** | *** | *** | *** |
| Heterosexual Contact (HET) | 7 | 90.0% | *** | *** | *** | *** | *** |
| Perinatal Transmission | 0 | 0.0% | -- | -- | -- | -- | -- |
| Other Exposure | 0 | 0.0% | -- | -- | -- | -- | -- |
| No Estimated or Reported Exposure | 0 | 0.0% | -- | -- | -- | -- | -- |
| **Total** | 8 | 100.0% | 87.5% | 50.0% | 25.0% | 100.0% | 329 |
| **Male Estimated or Reported Exposure Category** | | | | | | | |
| Male-to-male Sexual Contact (MMSC) | 12 | 82.0% | *** | *** | *** | *** | *** |
| Injection Drug Use (IDU) | 0 | 0.0% | -- | -- | -- | -- | -- |
| Male-to-male Sexual Contact and Injection Drug Use (MMSC/IDU) | 0 | 0.0% | -- | -- | -- | -- | -- |
| Heterosexual Contact (HET) | 2 | 15.3% | *** | *** | *** | *** | *** |
| Perinatal Transmission | 0 | 0.0% | -- | -- | -- | -- | -- |
| Other Exposure | 0 | 0.0% | -- | -- | -- | -- | -- |
| No Estimated or Reported Exposure | 0 | 0.0% | -- | -- | -- | -- | -- |
| **Total** | 15 | 100.0% | 80.0% | 20.0% | 20.0% | 86.7% | 432 |

*Note*. Data for 2021 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. Exposure category is based on sex at birth. 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 and 2021 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, 2021, by Estimated or Reported Exposure Category and Sex at Birth, Reported through June 30, 2022

| Estimated or Reported Exposure Category | Total People Aged 13+ Living with Diagnosed HIV | |
|---|---|---|
| | No. | % of Total |
| Male-to-male Sexual Contact (MMSC) | 471 | 46.7% |
| Injection Drug Use (IDU) | 135 | 13.3% |
| Male-to-male Sexual Contact and Injection Drug Use (MMSC/IDU) | 40 | 4.0% |
| Heterosexual Contact (HET) | 349 | 34.5% |
| Perinatal Transmission | 12 | 1.2% |
| Other Exposure | 2 | 0.2% |
| No Estimated or Reported Exposure | 1 | 0.1% |
| **Total** | 1,010 | 100.0% |
| **Female Estimated or Reported Exposure Category** | | |
| Injection Drug Use (IDU) | 54 | 18.3% |
| Heterosexual Contact (HET) | 231 | 78.6% |
| Perinatal Transmission | 9 | 3.1% |
| Other Exposure | 0 | 0.0% |
| No Estimated or Reported Exposure | 0 | 0.0% |
| **Total** | 294 | 100.0% |
| **Male Estimated or Reported Exposure Category** | | |
| Male-to-male Sexual Contact (MMSC) | 471 | 65.8% |
| Injection Drug Use (IDU) | 81 | 11.3% |
| Male-to-male Sexual Contact and Injection Drug Use (MMSC/IDU) | 40 | 5.6% |
| Heterosexual Contact (HET) | 118 | 16.4% |
| Perinatal Transmission | 3 | 0.4% |
| Other Exposure | 2 | 0.3% |
| No Estimated or Reported Exposure | 1 | 0.1% |
| **Total** | 716 | 100.0% |

*Note*. Data have been statistically adjusted to account for missing transmission category, therefore, values may not sum to column total. Exposure category is based on sex at birth. For exposure category by gender, 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, 2021, and Reported through June 30, 2022

| Estimated or Reported Exposure Category | Total People Aged 13+ Living with Diagnosed HIV | | | | | |
|---|---|---|---|---|---|---|
| | Race/Ethnicity | | | | | |
| | Hispanic | | Non-Hispanic, Black, only | | Non-Hispanic, White, only | |
| | No. | % of Total | No. | % of Total | No. | % of Total |
| Male-to-male Sexual Contact (MMSC) | 32 | 54.0% | 204 | 35.8% | 192 | 63.9% |
| Injection Drug Use (IDU) | 3 | 5.2% | 85 | 14.9% | 33 | 10.9% |
| Male-to-male Sexual Contact and Injection Drug Use (MMSC/IDU) | 1 | 1.7% | 23 | 4.1% | 11 | 3.7% |
| Heterosexual Contact (HET) | 24 | 39.2% | 249 | 43.7% | 59 | 19.6% |
| Perinatal Transmission | 0 | 0.0% | 9 | 1.6% | 3 | 1.0% |
| Other Exposure | 0 | 0.0% | 0 | 0.0% | 2 | 0.7% |
| No Estimated or Reported Exposure | 0 | 0.0% | 0 | 0.0% | 1 | 0.3% |
| **Total** | 60 | 100.0% | 570 | 100.0% | 301 | 100.0% |
| **Female Estimated or Reported Exposure Category** | | | | | | |
| Injection Drug Use (IDU) | 2 | 12.5% | 27 | 13.5% | 20 | 32.8% |
| Heterosexual Contact (HET) | 14 | 87.5% | 165 | 83.4% | 38 | 62.3% |
| Perinatal Transmission | 0 | 0.0% | 6 | 3.0% | 3 | 4.9% |
| 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** | 16 | 100.0% | 198 | 100.0% | 61 | 100.0% |
| **Male Estimated or Reported Exposure Category** | | | | | | |
| Male-to-male Sexual Contact (MMSC) | 32 | 73.6% | 204 | 54.9% | 192 | 80.2% |
| Injection Drug Use (IDU) | 1 | 2.5% | 58 | 15.6% | 13 | 5.3% |
| Male-to-male Sexual Contact and Injection Drug Use (MMSC/IDU) | 1 | 2.3% | 23 | 6.2% | 11 | 4.6% |
| Heterosexual Contact (HET) | 10 | 21.6% | 83 | 22.5% | 21 | 8.7% |
| Perinatal Transmission | 0 | 0.0% | 3 | 0.8% | 0 | 0.0% |
| Other Exposure | 0 | 0.0% | 0 | 0.0% | 2 | 0.8% |
| No Estimated or Reported Exposure | 0 | 0.0% | 0 | 0.0% | 1 | 0.4% |
| **Total** | 44 | 100.0% | 371 | 100.0% | 240 | 100.0% |

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

## Table 21 – CD4 Test Results during 2021 for People Aged 13+ Living with Diagnosed HIV, Alive on December 31, 2021, by Estimated or Reported Exposure Category, Reported through June 30, 2022

| Estimated or Reported Exposure Category | Total People Aged 13+ with Living Diagnosed HIV | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | No. | Recent CD4 Test Results | | | | | | |
| | | No. with Test | % with Test | Median Count | <200 | 200-349 | 350-499 | 500+ |
| Male-to-male Sexual Contact (MMSC) | 471 | 346 | 73.4% | 606 | 7.0% | 12.9% | 15.8% | 64.3% |
| Injection Drug Use (IDU) | 135 | 91 | 67.9% | 579 | 14.6% | 9.5% | 18.1% | 57.9% |
| Male-to-male Sexual Contact and Injection Drug Use (MMSC/IDU) | 40 | 32 | 78.6% | 503 | 13.6% | 20.6% | 13.9% | 51.9% |
| Heterosexual Contact (HET) | 349 | 254 | 72.9% | 627 | 10.3% | 12.7% | 13.5% | 63.5% |
| Perinatal Transmission | 12 | 10 | 83.3% | 699 | 0.0% | 0.0% | 20.0% | 80.0% |
| Other Exposure | 2 | *** | *** | *** | *** | *** | *** | *** |
| No Estimated or Reported Exposure | 1 | *** | *** | *** | *** | *** | *** | *** |
| **Total** | 1,010 | 736 | 72.9% | 603 | 9.2% | 12.5% | 15.4% | 62.9% |

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

## Table 22 – Viral Load Test Results during 2021 for People Aged 13+ Living with Diagnosed HIV, Alive on December 31, 2021, by Estimated or Reported Exposure Category, Reported through June 30, 2022

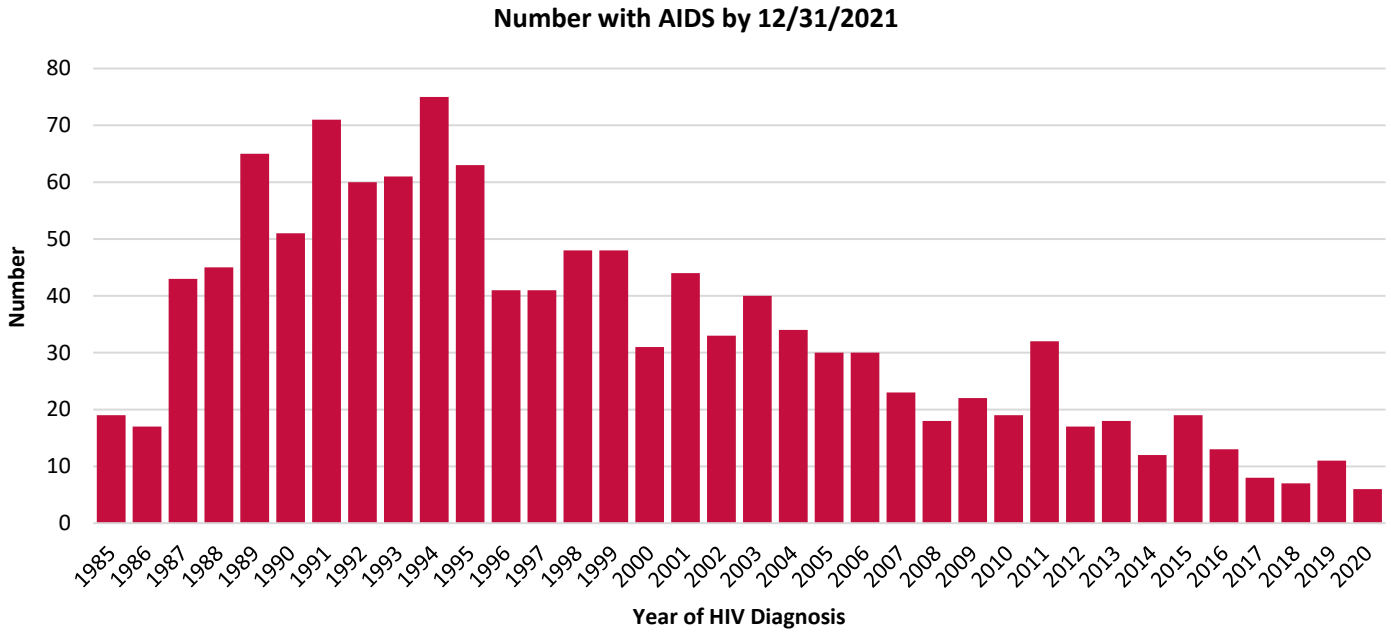
| Estimated or Reported Exposure Category | Total People Aged 13+ with Living Diagnosed HIV | | | | |
|---|---|---|---|---|---|
| | No. | Recent Viral Load Test Results | | | |
| | | No. with Test | % with Test | % Suppressed | Median Unsuppressed Viral Load |
| Male-to-male Sexual Contact (MMSC) | 471 | 354 | 75.0% | 91.4% | 24,100 |
| Injection Drug Use (IDU) | 135 | 96 | 71.5% | 84.6% | 10,300 |
| Male-to-male Sexual Contact and Injection Drug Use (MMSC/IDU) | 40 | 32 | 78.4% | 93.0% | 419 |
| Heterosexual Contact (HET) | 349 | 253 | 72.4% | 91.5% | 5,650 |
| Perinatal Transmission | 12 | 10 | 83.3% | 90.0% | 1,990 |
| Other Exposure | 2 | *** | *** | *** | *** |
| No Estimated or Reported Exposure | 1 | *** | *** | *** | *** |
| **Total** | 1,010 | 747 | 74.0% | 90.5% | 10,300 |

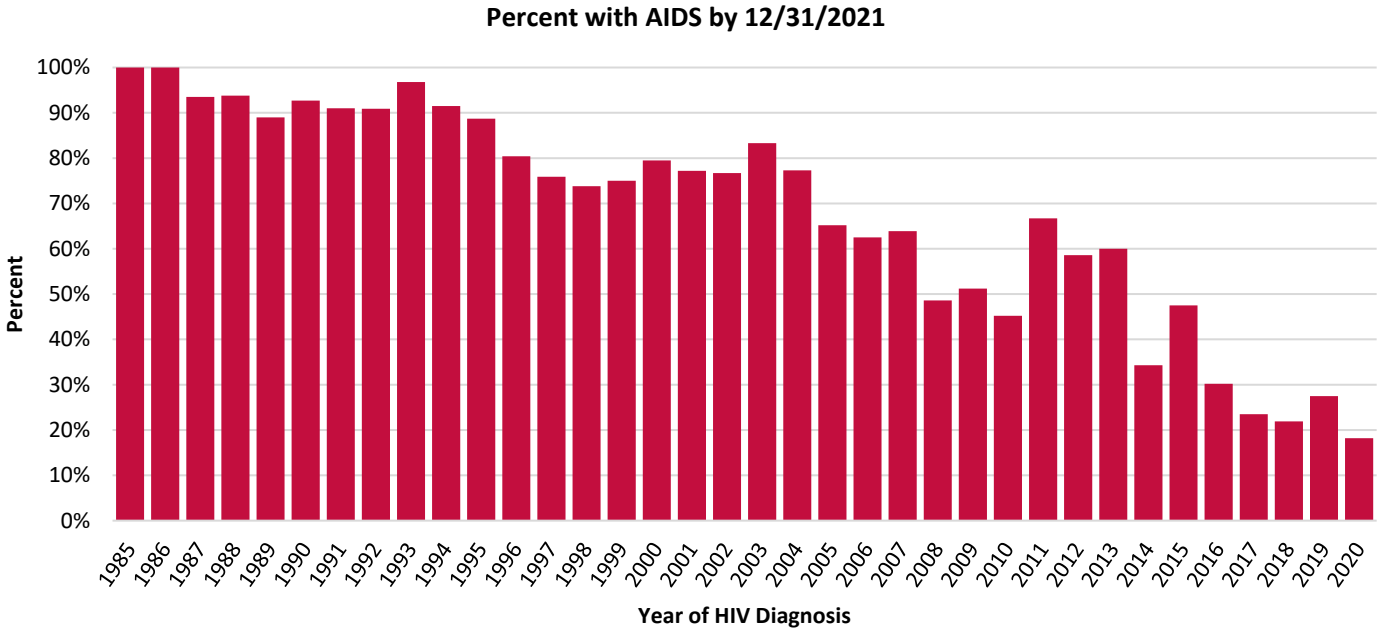
*Note*. Data have been statistically adjusted to account for missing transmission category, therefore, values may not sum to column total. Median unsuppressed is weighted based on statistical adjustment.

## Section VIII – Disease Progression and Mortality

### Figure 10 – Trends in Disease Progression by Year of HIV Diagnosis, 1985-2020, Reported through June 30, 2022

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, 2021 (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, 2021, 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 2020, Reported through June 30, 2022

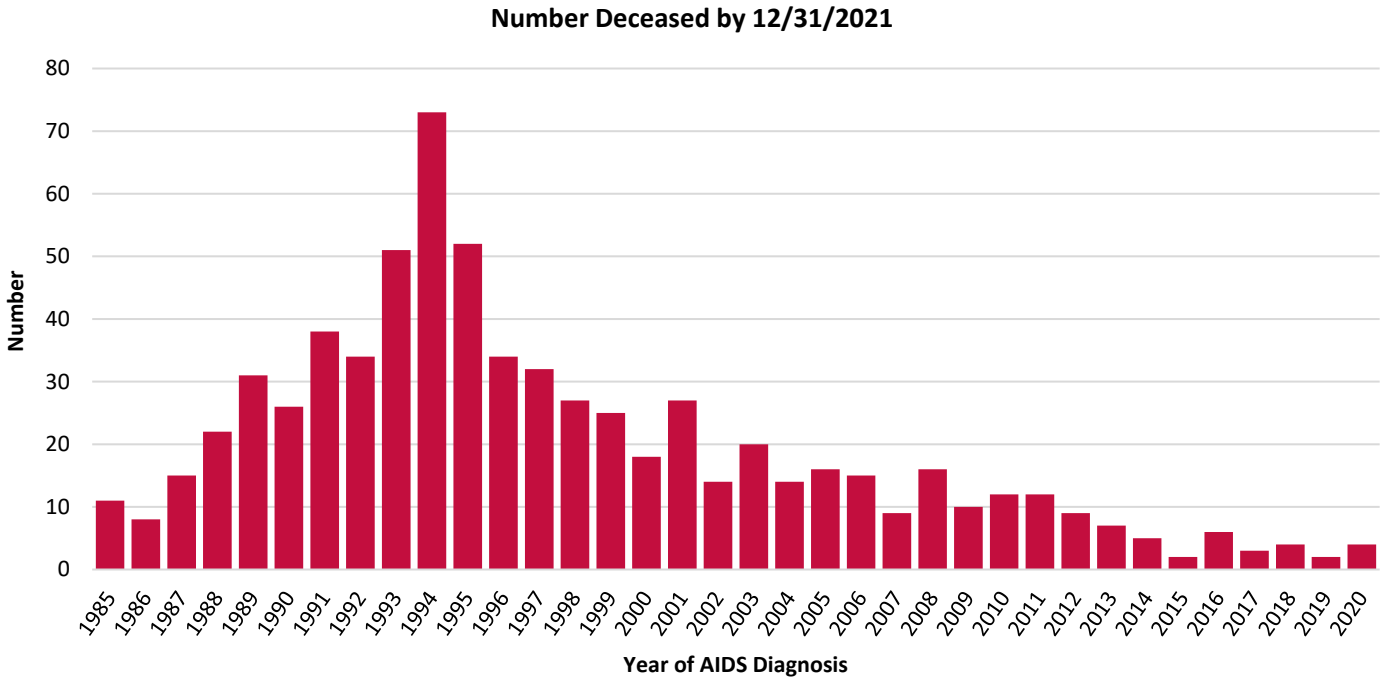


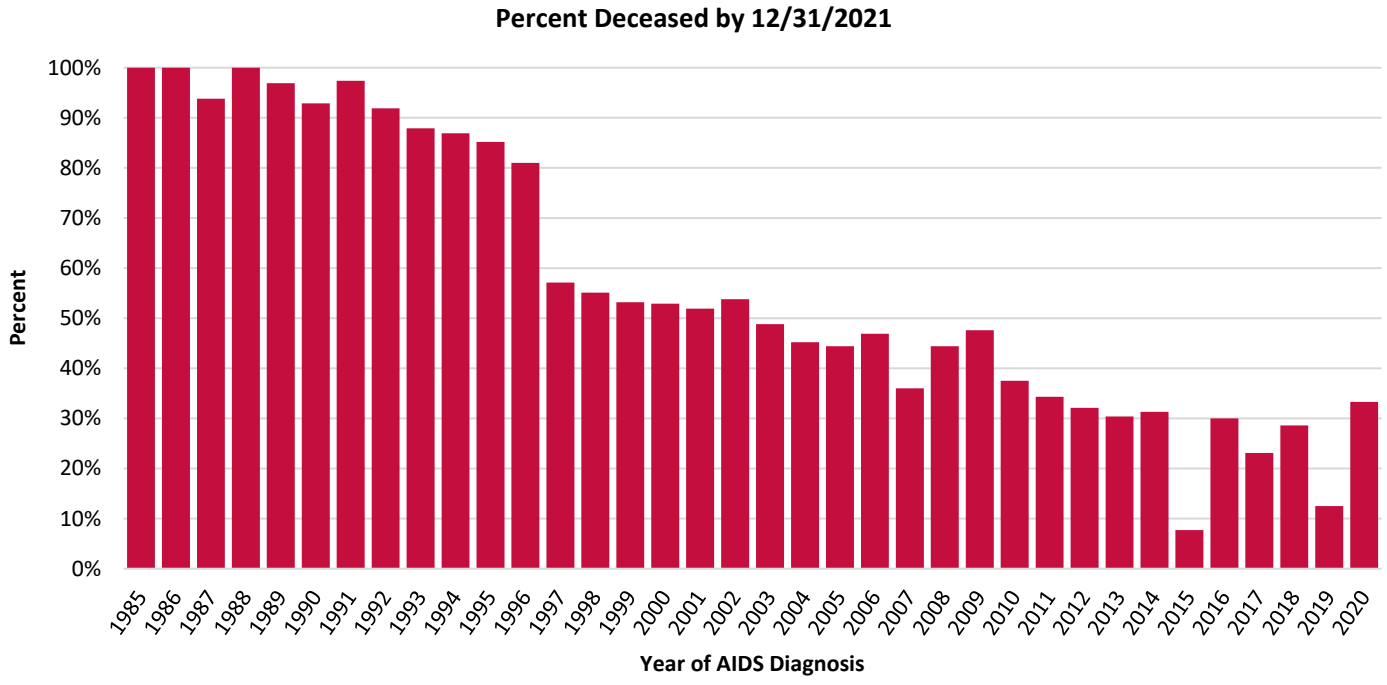



| Year of HIV Diagnosis | Reported HIV Diagnoses among People Aged 13+ | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | No. | Reported AIDS Diagnoses | | | Percent with AIDS by Years After HIV Diagnosis | | | |
| | | No. | % with AIDS | Mean Years from HIV to AIDS | 1 Year | 2 Years | 5 Years | 10 Years |
| **<1985** | 9 | 9 | 100.0% | 2.4 | 77.8% | 77.8% | 77.8% | 88.9% |
| **1985** | 19 | 19 | 100.0% | 3.5 | 63.2% | 63.2% | 68.4% | 89.5% |
| **1986** | 17 | 17 | 100.0% | 3.1 | 52.9% | 58.8% | 76.5% | 94.1% |
| **1987** | 46 | 43 | 93.5% | 4.8 | 34.8% | 34.8% | 58.7% | 78.3% |
| **1988** | 48 | 45 | 93.8% | 3.9 | 50.0% | 52.1% | 68.8% | 79.2% |
| **1989** | 73 | 65 | 89.0% | 3.7 | 39.7% | 45.2% | 58.9% | 84.9% |
| **1990** | 55 | 51 | 92.7% | 4.5 | 34.5% | 38.2% | 58.2% | 83.6% |
| **1991** | 78 | 71 | 91.0% | 3.3 | 43.6% | 48.7% | 65.4% | 84.6% |
| **1992** | 66 | 60 | 90.9% | 4.6 | 40.9% | 47.0% | 63.6% | 78.8% |
| **1993** | 63 | 61 | 96.8% | 2.3 | 55.6% | 69.8% | 84.1% | 92.1% |
| **1994** | 82 | 75 | 91.5% | 2.1 | 64.6% | 69.5% | 78.0% | 84.1% |
| **1995** | 71 | 63 | 88.7% | 2.9 | 54.9% | 60.6% | 73.2% | 83.1% |
| **1996** | 51 | 41 | 80.4% | 3.1 | 43.1% | 47.1% | 58.8% | 74.5% |
| **1997** | 54 | 41 | 75.9% | 1.7 | 57.4% | 61.1% | 70.4% | 72.2% |
| **1998** | 65 | 48 | 73.8% | 4.3 | 40.0% | 41.5% | 50.8% | 58.5% |
| **1999** | 64 | 48 | 75.0% | 1.8 | 57.8% | 59.4% | 64.1% | 70.3% |
| **2000** | 39 | 31 | 79.5% | 2.4 | 51.3% | 51.3% | 66.7% | 71.8% |
| **2001** | 57 | 44 | 77.2% | 1.2 | 59.6% | 63.2% | 68.4% | 77.2% |
| **2002** | 43 | 33 | 76.7% | 2.3 | 48.8% | 60.5% | 65.1% | 69.8% |
| **2003** | 48 | 40 | 83.3% | 1.7 | 62.5% | 64.6% | 72.9% | 81.3% |
| **2004** | 44 | 34 | 77.3% | 2.6 | 50.0% | 50.0% | 61.4% | 72.7% |
| **2005** | 46 | 30 | 65.2% | 1.7 | 52.2% | 52.2% | 56.5% | 60.9% |
| **2006** | 48 | 30 | 62.5% | 1.8 | 47.9% | 47.9% | 54.2% | 60.4% |
| **2007** | 36 | 23 | 63.9% | 1.0 | 52.8% | 52.8% | 61.1% | 63.9% |
| **2008** | 37 | 18 | 48.6% | 2.7 | 29.7% | 32.4% | 35.1% | 45.9% |
| **2009** | 43 | 22 | 51.2% | 0.9 | 46.5% | 46.5% | 46.5% | 51.2% |
| **2010** | 42 | 19 | 45.2% | 1.6 | 31.0% | 33.3% | 35.7% | 45.2% |
| **2011** | 48 | 32 | 66.7% | 1.5 | 52.1% | 54.2% | 58.3% | 62.5% |
| **2012** | 29 | 17 | 58.6% | 1.4 | 44.8% | 48.3% | 51.7% | -- |
| **2013** | 30 | 18 | 60.0% | 0.8 | 53.3% | 53.3% | 56.7% | -- |
| **2014** | 35 | 12 | 34.3% | 0.4 | 31.4% | 31.4% | 34.3% | -- |
| **2015** | 40 | 19 | 47.5% | 0.4 | 45.0% | 45.0% | 47.5% | -- |
| **2016** | 43 | 13 | 30.2% | 0.6 | 25.6% | 27.9% | 30.2% | -- |
| **2017** | 34 | 8 | 23.5% | 0.8 | 17.6% | 20.6% | -- | -- |
| **2018** | 32 | 7 | 21.9% | 0.5 | 18.8% | 18.8% | -- | -- |
| **2019** | 40 | 11 | 27.5% | 0.1 | 27.5% | 27.5% | -- | -- |
| **2020** | 33 | 6 | 18.2% | 0.1 | 18.2% | -- | -- | -- |
| **Total** | 1,708 | 1,224 | 71.7% | 2.6 | 45.7% | 48.8% | 57.7% | 66.7% |

## Figure 11 – Trends in Survival Times by Year of AIDS Diagnosis, 1985-2020, Reported through June 30, 2022

Number of People Aged 13+ with Diagnosed HIV, Aged 13+ at HIV Diagnosis, with an AIDS Diagnosis by December 31, 2020 (Reported AIDS Diagnoses), Number of Reported AIDS Diagnosis among People Aged 13+ Reported to Have Died of Any Cause by December 31, 2021 (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, 2021, 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 2020, Reported through June 30, 2022



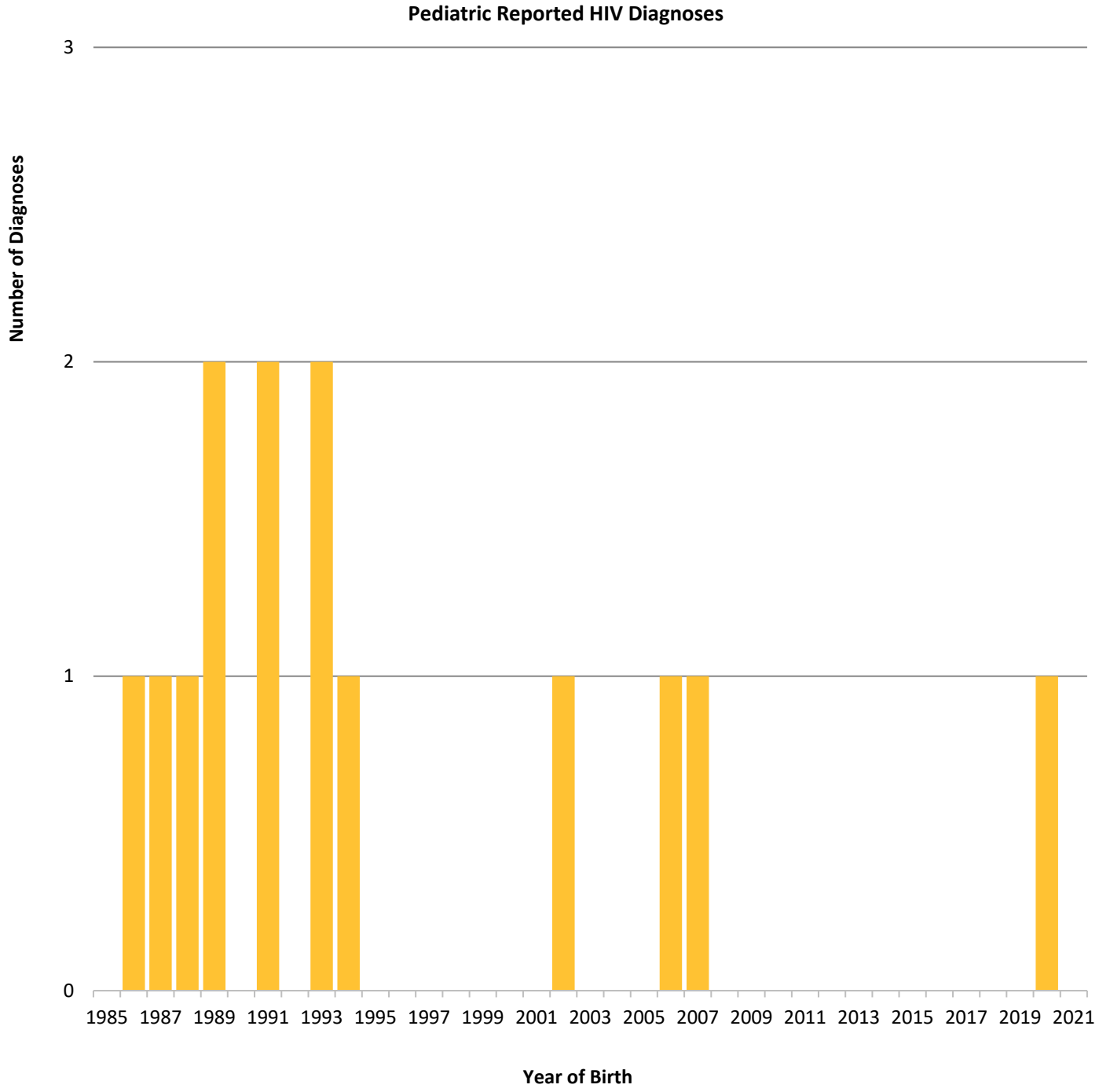
| Year of AIDS Diagnosis | Reported AIDS Diagnoses among People Aged 13+ | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | No. | Reported AIDS Deaths | | | Percent Alive by Years After AIDS Diagnosis | | | |
| | | No. | % Deceased | Mean Years from AIDS to Death | 1 Year | 2 Years | 5 Years | 10 Years |
| **<1985** | 7 | 7 | 100.0% | 0.4 | 14.3% | 0.0% | 0.0% | 0.0% |
| **1985** | 11 | 11 | 100.0% | 0.5 | 27.3% | 0.0% | 0.0% | 0.0% |
| **1986** | 8 | 8 | 100.0% | 0.9 | 37.5% | 25.0% | 0.0% | 0.0% |
| **1987** | 16 | 15 | 93.8% | 2.6 | 62.5% | 43.8% | 12.5% | 12.5% |
| **1988** | 22 | 22 | 100.0% | 1.9 | 63.6% | 31.8% | 9.1% | 0.0% |
| **1989** | 32 | 31 | 96.9% | 2.4 | 59.4% | 46.9% | 15.6% | 6.3% |
| **1990** | 28 | 26 | 92.9% | 2.8 | 75.0% | 53.6% | 25.0% | 7.1% |
| **1991** | 39 | 38 | 97.4% | 2.4 | 71.8% | 41.0% | 17.9% | 5.1% |
| **1992** | 37 | 34 | 91.9% | 3.0 | 62.2% | 40.5% | 18.9% | 16.2% |
| **1993** | 58 | 51 | 87.9% | 3.2 | 79.3% | 55.2% | 29.3% | 17.2% |
| **1994** | 84 | 73 | 86.9% | 4.7 | 75.0% | 63.1% | 40.5% | 25.0% |
| **1995** | 61 | 52 | 85.2% | 5.1 | 72.1% | 62.3% | 47.5% | 27.9% |
| **1996** | 42 | 34 | 81.0% | 6.6 | 78.6% | 73.8% | 54.8% | 35.7% |
| **1997** | 56 | 32 | 57.1% | 6.9 | 89.3% | 82.1% | 71.4% | 57.1% |
| **1998** | 49 | 27 | 55.1% | 5.2 | 85.7% | 81.6% | 65.3% | 53.1% |
| **1999** | 47 | 25 | 53.2% | 6.1 | 95.7% | 89.4% | 74.5% | 55.3% |
| **2000** | 34 | 18 | 52.9% | 7.1 | 85.3% | 79.4% | 70.6% | 67.6% |
| **2001** | 52 | 27 | 51.9% | 5.3 | 80.8% | 78.8% | 71.2% | 61.5% |
| **2002** | 26 | 14 | 53.8% | 6.1 | 80.8% | 76.9% | 69.2% | 65.4% |
| **2003** | 41 | 20 | 48.8% | 3.4 | 78.0% | 70.7% | 65.9% | 53.7% |
| **2004** | 31 | 14 | 45.2% | 4.9 | 90.3% | 83.9% | 77.4% | 61.3% |
| **2005** | 36 | 16 | 44.4% | 4.5 | 83.3% | 83.3% | 72.2% | 63.9% |
| **2006** | 32 | 15 | 46.9% | 3.1 | 78.1% | 75.0% | 65.6% | 53.1% |
| **2007** | 25 | 9 | 36.0% | 4.1 | 88.0% | 88.0% | 76.0% | 68.0% |
| **2008** | 36 | 16 | 44.4% | 4.0 | 83.3% | 80.6% | 72.2% | 58.3% |
| **2009** | 21 | 10 | 47.6% | 2.8 | 71.4% | 66.7% | 66.7% | 57.1% |
| **2010** | 32 | 12 | 37.5% | 6.0 | 93.8% | 90.6% | 87.5% | 68.8% |
| **2011** | 35 | 12 | 34.3% | 4.4 | 91.4% | 91.4% | 80.0% | 65.7% |
| **2012** | 28 | 9 | 32.1% | 1.9 | 82.1% | 78.6% | 71.4% | -- |
| **2013** | 23 | 7 | 30.4% | 3.6 | 82.6% | 82.6% | 82.6% | -- |
| **2014** | 16 | 5 | 31.3% | 1.2 | 75.0% | 75.0% | 75.0% | -- |
| **2015** | 26 | 2 | 7.7% | 4.6 | 100.0% | 100.0% | 96.2% | -- |
| **2016** | 20 | 6 | 30.0% | 1.5 | 85.0% | 80.0% | 70.0% | -- |
| **2017** | 13 | 3 | 23.1% | 1.4 | 92.3% | 84.6% | -- | -- |
| **2018** | 14 | 4 | 28.6% | 0.4 | 78.6% | 71.4% | -- | -- |
| **2019** | 16 | 2 | 12.5% | 0.5 | 87.5% | 87.5% | -- | -- |
| **2020*** | 12 | 4 | 33.3% | 0.5 | 75.0% | -- | -- | -- |
| **Total** | 1,166 | 711 | 61.0% | 4.1 | 79.2% | 70.3% | 56.9% | 45.9% |

*2020 AIDS deaths are preliminary.

## Section IX – Pediatrics

### Figure 12 – Trends in Reported HIV Diagnoses among People Aged <13, 1985-2021, Reported through June 30, 2022

Number of Pediatric HIV Diagnoses, Age <13 at HIV Diagnosis, (Pediatric Reported HIV Diagnoses) by Year of Birth, by Year of HIV Diagnosis, by Year of AIDS Diagnosis, and by Year of Death Due to Any Cause, and Number of Children with Diagnosed HIV, Age <13 at HIV Diagnosis, and Not Reported to have Died as of December 31st of Each Year (Total Living Pediatric Diagnoses) from 1985 through 2021, as Reported by Name through June 30, 2022



| Year | Number of Pediatric Reported HIV Diagnoses | | | | Total Pediatric Diagnoses Alive on December 31st of Each Year |
|---|---|---|---|---|---|
| | By Birth Year | By HIV Diagnosis Year | By AIDS Diagnosis Year | By Death Year | |
| **<1985** | 6 | 0 | 0 | 0 | -- |
| **1985** | 0 | 1 | 1 | 0 | 1 |
| **1986** | 1 | 1 | 0 | 0 | 2 |
| **1987** | 1 | 0 | 0 | 0 | 2 |
| **1988** | 1 | 1 | 0 | 0 | 3 |
| **1989** | 2 | 0 | 0 | 1 | 2 |
| **1990** | 0 | 1 | 0 | 0 | 3 |
| **1991** | 2 | 5 | 1 | 0 | 8 |
| **1992** | 0 | 3 | 2 | 1 | 10 |
| **1993** | 2 | 1 | 1 | 0 | 11 |
| **1994** | 1 | 1 | 2 | 0 | 12 |
| **1995** | 0 | 0 | 0 | 2 | 10 |
| **1996** | 0 | 1 | 2 | 1 | 8 |
| **1997** | 0 | 0 | 0 | 0 | 8 |
| **1998** | 0 | 0 | 0 | 0 | 8 |
| **1999** | 0 | 0 | 0 | 0 | 8 |
| **2000** | 0 | 0 | 0 | 0 | 8 |
| **2001** | 0 | 0 | 1 | 0 | 8 |
| **2002** | 1 | 0 | 1 | 0 | 8 |
| **2003** | 0 | 0 | 0 | 0 | 8 |
| **2004** | 0 | 1 | 0 | 0 | 9 |
| **2005** | 0 | 0 | 0 | 0 | 9 |
| **2006** | 1 | 0 | 0 | 1 | 8 |
| **2007** | 1 | 1 | 0 | 0 | 9 |
| **2008** | 0 | 0 | 0 | 0 | 9 |
| **2009** | 0 | 1 | 0 | 0 | 10 |
| **2010** | 0 | 1 | 0 | 0 | 12 |
| **2011** | 0 | 0 | 0 | 0 | 12 |
| **2012** | 0 | 0 | 0 | 0 | 12 |
| **2013** | 0 | 0 | 1 | 0 | 11 |
| **2014** | 0 | 0 | 0 | 0 | 11 |
| **2015** | 0 | 0 | 0 | 0 | 11 |
| **2016** | 0 | 0 | 0 | 0 | 12 |
| **2017** | 0 | 0 | 0 | 0 | 12 |
| **2018** | 0 | 0 | 0 | 0 | 12 |
| **2019** | 0 | 0 | 0 | 0 | 12 |
| **2020** | 1 | 0 | 0 | 0 | 12 |
| **2021** | 0 | 1 | 1 | 0 | 13 |
| **Total** | 20 | 20 | 13 | 6 | -- |

## Table 23 – People Aged <13 Living with Diagnosed HIV, Alive on December 31, 2021, by Jurisdiction of Current Residence, Reported through June 30, 2022

| Jurisdiction of Current Residence | Total People Aged <13 Living with Diagnosed HIV | |
|---|---|---|
| | No. | % of Total |
| Caroline | 0 | 0.0% |
| Cecil | 2 | 66.7% |
| Dorchester | 1 | 33.3% |
| Kent | 0 | 0.0% |
| Queen Anne's | 0 | 0.0% |
| Somerset | 0 | 0.0% |
| Talbot | 0 | 0.0% |
| Wicomico | 0 | 0.0% |
| Worcester | 0 | 0.0% |
| **Total** | 3 | 100.0% |

## Table 24 – People Aged <13 Living with Diagnosed HIV, Alive on December 31, 2021, by Sex at Birth and Race/Ethnicity, Reported through June 30, 2022

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

## Glossary of Terms

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

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

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

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

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

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

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

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

**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.

**HIV Diagnosed:** Number of people who have received an HIV diagnosis in a given time period, regardless of when they were first infected.

**HIV Infected/Prevalence:** Estimated number of people with HIV alive at a given time, regardless of when they were infected or whether they have received a diagnosis.

**Heterosexual Contact (HET)**: Individuals 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):** Individuals 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 after their initial HIV diagnosis.

**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 (MMSC):** 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 (MMSC/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.

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

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

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

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

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

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

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

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

**Population:** Population estimate for July 1, 2021.

**Population Aged 13+:** Population age 13 years or older, estimate for July 1, 2021.

**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.

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

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

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

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

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

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