

# HIV SURVEILLANCE REPORT

# 2021

## PHILADELPHIA



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Department of  
**Public Health**

CITY OF PHILADELPHIA

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## SECURITY AND CONFIDENTIALITY

All information about individuals diagnosed and/or living with Human Immunodeficiency Virus (HIV) is strictly confidential and collected for legitimate public health purposes. Federal, state, and local health departments have implemented procedures and policies to assure the confidentiality and security of HIV data. Prior to submitting data to the CDC, all information is de-identified and encrypted using computer encryption software. In addition, strict guidelines govern the release of reports like this one, which ensure that HIV data are not presented in such a way as to possibly identify any individual with HIV. Maintenance of confidentiality and security safeguards is critical for federal funding and is a top priority within the Philadelphia HIV Surveillance Unit.

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# Definitions

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**AACO (AIDS Activities Coordinating Office):**

The office within the Philadelphia Department of Public Health responsible for administering the City's HIV Programs.

**Acute HIV Infection:** Acute HIV infection typically describes the interval between the first possible detection of virus by virologic assay and development of a mature antibody response. Signs and symptoms of acute HIV infection can include fever, headache, sore throat, adenopathy, anorexia, and rash and often develop about 2 weeks after the start of the infection.

**AIDS (Acquired Immune Deficiency Syndrome):** A result of Human Immunodeficiency Virus (HIV) infection, which disables the immune system from effectively fighting numerous opportunistic infections and cancers.

**AIAN (American Indian/Alaska Native):** A racial/ethnic group. Also identify as First Nations/Indigenous.

**CDC (Centers for Disease Control and Prevention):** A federal disease prevention agency, which is part of the U.S. Department of Health and Human Services that provides national laboratory and health and safety guidelines and recommendations; tracks diseases throughout the world; and performs basic research involving laboratory, behavioral science, epidemiology and other studies of disease.

**Confidentiality:** Keeping medical information confidential or private.

**Diagnosis:** Determination of the nature of a case of a disease based on signs, symptoms, and laboratory findings during life. A diagnosis of AIDS for an adult is being HIV antibody-positive in addition to having one opportunistic infection, condition, or disease (e.g. wasting syndrome, PCP, Kaposi's sarcoma, CD4 T-lymphocyte count below 200 or 14%).

**EHE (Ending the HIV Epidemic):** The U.S. Department of Health and Human Services (HHS) launched the Ending the HIV Epidemic in the U.S. (EHE) initiative in 2019. The initiative aims to reduce new HIV infections in the U.S. by 90% by 2030 by scaling up key HIV prevention and treatment strategies.

**Epidemiology:** The branch of medical science that deals with the study of incidence, distribution and control of a disease in a population.

**Equity:** The state in which everyone has the opportunity to attain their highest level of health while centering justice and dignity.

**Gender Identity:** One's innermost concept of self as male or female or both or neither—how individuals perceive themselves and what they call themselves. One's gender identity can be the same or different than the sex assigned at birth.

**HBV Co-Infection:** Hepatitis B Virus Co-infection. Refers to a person living with HIV who has current or past HBV infection evidenced by a positive HBV surface antigen, HBV DNA or HBV e-antigen.

**HCV Co-Infection:** Hepatitis C Virus Co-Infection. Refers to a person living with HIV who has current or past HCV infection evidenced by a positive HCV antibody, HCV RNA, or HCV genotype test.

**Heterosexuals at Increased Risk for HIV Infection:** As defined by National HIV Behavioral Surveillance, the population of individuals 18 and older living below poverty level.

**HIV (Human Immunodeficiency Virus):** The retrovirus that causes AIDS by infecting the T-helper cells.

**Incidence:** The number or rate of new cases of a disease over defined period of time.

**MSM (Men who have sex with men):** An HIV transmission category.

**MSM/PWID (Men who have sex with men who are also people who inject drugs):** An HIV transmission category.

**NHPI (Native Hawaiian/ Pacific Islander):** A racial/ethnic group.

**NRN (No Reported Risk):** Indicates when documentation is insufficient to assign an HIV transmission category based on CDC guidelines.

**Outbreak:** An increase in diagnoses above what is normally expected in a geographic area or population during a particular period

**Perinatal Transmission of HIV:** Term used to describe the spread of HIV from a mother to her baby that can occur during pregnancy, labor, delivery or breastfeeding; also known as vertical transmission.

**PLWDH:** People living with diagnosed HIV.

**PLWH:** People living with HIV, both diagnosed and undiagnosed.

**PrEP:** Pre-exposure prophylaxis. Antiretroviral medication taken daily by individuals at increased risk for HIV infection to lower their chances of getting infected.

**Prevalence:** Total number of cases of a disease in a population over a period of time.

**PWID (Person/People Who Inject Drugs):** An HIV transmission category.

**Risk Behavior:** Used here to describe behaviors that put people at risk of contracting HIV.

**Sexual Orientation:** The sexual attraction people feel for others, whether of their own sex, the opposite sex, or both sexes.

**Stigma:** An attitude of disapproval and discontent toward a person or group because of the presence of an attribute perceived as undesirable.

**Transmission Category:** A system that classifies cases by possible HIV transmission risk factors or mode(s) of infection; e.g. PWID, MSM/PWID, perinatal transmission, heterosexual contact.



# Introduction

The Philadelphia Department of Public Health (PDPH), AIDS Activities Coordinating Office (AACO) Surveillance Report is the annual report presenting data on human immunodeficiency virus (HIV) diagnoses in the City of Philadelphia. Data in this report include persons diagnosed through December 31, 2021 and reported through June 30, 2022. While HIV diagnoses have been on a steady decline since the mid-2000s (Figure 11), the number of new HIV diagnoses has remained relatively stable until 2020, when COVID-19 severely impacted the HIV testing and care infrastructure in Philadelphia. Today, there are 18,351 people living with diagnosed HIV (PLWDH) in Philadelphia, of whom 365 were newly diagnosed in 2021. The largest burden of HIV disease continues to impact men who have sex with men (MSM) and, despite continued public health efforts since 2018, persons who inject drugs (PWID) (Table 4). Overall, both prevalent disease and new diagnoses continue to disproportionately affect Black and Brown communities.

In 2019, Philadelphia was 1 of 48 counties in the United States selected to receive federal funding to combat the HIV epidemic under the Ending the HIV Epidemic: A Plan for America (EHE) initiative. The plan's overall goal is a 75% reduction in new HIV diagnoses by 2025 and a 90% reduction in new HIV diagnoses by 2030. Through this initiative, PDPH aims to reach these goals by focusing efforts on 5 Key Pillars: Diagnosis, Treatment, Prevention, Response, with an added pillar for an overarching approach centered in health equity and radical customer service.

More specifically, PDPH will enhance existing strategies and adapt novel techniques to 1) diagnose all persons with HIV as early as possible, 2) treat persons living with HIV quickly and effectively, 3) prevent new HIV transmissions by promoting pre-exposure prophylaxis (PrEP) and syringe services, and 4) identify and respond quickly to HIV outbreaks. Thus far, notable improvements include a decrease in confirmed new diagnoses, decreased homelessness among PLWDH, and increased PrEP coverage for those at risk (Table 1).

Additionally in 2021, PDPH and our partners implemented EHE initiatives, including the development of health equity plans, the distribution of HIV self-test kits, awarding funds to agencies for increased re-engagement activities and delivery of low threshold sexual health services, a non-occupational post-exposure prophylaxis center of excellence, and establishing the Philadelphia regional EHE collaborative. For more information about the national EHE initiative please visit: <https://www.hiv.gov/federal-response/ending-the-hiv-epidemic/overview>.

## Report Updates

Additional Sections:









- Topics of Continued Focus: Equity
- Topics of Continued Focus: Prevention

In this report, as with last year, PDPH has included a section illustrating the impact of COVID-19, highlighting trends in HIV testing and care data from 2019 to 2021. COVID-19 contributed to a decrease in new HIV diagnoses during 2020, and therefore estimates of HIV Incidence, or the number of new HIV infections, as well as the estimate of individuals unaware of their HIV status could not be calculated. Because of this, the HIV Care Continuum (Figure 1A) has been updated to reflect a diagnosis-based continuum that calculates measures among PLWDH only (previous reports include those who may have been infected, but were unaware of their status). Due to the ongoing COVID-19 pandemic, all data presented should be interpreted with caution. Please read all table titles and footnotes carefully to ensure a complete understanding of the displayed data.

New indicators have been included in the EHE Dashboard describing progress towards reducing stigma, decreasing housing instability, and increasing PrEP coverage. Additional data about PLWDH experiencing homelessness and HIV-related stigma, collected through the Medical Monitoring Project (MMP), along with a modified continuum by subgroup and barriers to care data collected through the Data to Care efforts, is included in a newly added section focused on Health Equity. In addition, data on PrEP can now be found in a Prevention section summarizing PrEP indications and the PrEP Continuum of Care, as well as PDPH's HIV self-test program. PDPH would like to note that the planned 2020 NHBS cycle among MSM was postponed until 2021 due to COVID-19 limitations. At time of publication, the PWID cycle is in progress and data from both the 2021 MSM cycle as well as the 2022 PWID will be available in the 2022 Annual Surveillance Report.

# Ending the HIV Epidemic Dashboard

TABLE 1 Ending the HIV Epidemic Dashboard

GOAL:	2017	2018	2019	2020	2021	Progress	2025 Target	2030 Target
Reduce new HIV infections by 75% in five years and by 90% in ten years	470	440	440	*		 STABLE	(118)	(47)
Increase knowledge of status to 95% by 2025	88.6%	88.4%	88.5%	*		 STABLE	(95.0%)	
Decrease confirmed HIV diagnoses to 25% by 2025 and 8% by 2030	508	438	445	335	365	 IMPROVING	(127)	(41)
Increase linkage to care to 95% by 2025	86.3%	86.1%	81.3%	82.5%	81.4%	 NOT IMPROVED	(95.0%)	
Increase viral suppression to 95% by 2025**	72.3%	70.1%	72.3%	67.3%	70.1%	 STABLE	(95.0%)	
Decrease stigma among PLWDH by 50%, Median <sup>†</sup>	37.6	36.0	36.6	38.6		 STABLE	(18.8)	
Decrease Unhoused PLWDH by 50%	9.9%	13.6%	8.1%	6.7%		 IMPROVING	(4.9%)	
PrEP coverage <sup>‡</sup>			37.2%	35.5%	41.2%	 IMPROVING	(50.0%)	

\*Due to the impact of COVID-19 on HIV diagnoses during 2020, estimates of HIV Incidence, or the number of new HIV infections, as well as the estimate of individuals unaware of their HIV status were not calculated.

\*\*among PLWDH who have evidence of care in the last 5 years

†Among PLWDH in Philadelphia between 2015-2020, using data from the Medical Monitoring Project (MMP)

‡Centers for Disease Control and Prevention. Core indicators for monitoring the Ending the HIV Epidemic initiative (preliminary data): National HIV Surveillance System data reported through March 2022; and preexposure prophylaxis (PrEP) data reported through December 2021. HIV Surveillance Data Tables 2022;3(No. 2). <https://www.cdc.gov/hiv/library/reports/surveillance-data-tables/index.html> Published August 2022. Accessed 9/14/2022.

**Note** Values in parentheses represent a goal number or percentage.

PrEP coverage is defined as the proportion of persons prescribed PrEP among those with a PrEP indication

## HIV Continuum of Care

The HIV Continuum of Care is a data driven tool focusing on the diagnosis and care of individuals living with HIV. Engaging HIV patients in care is critical to slowing the spread of HIV transmission. This diagnosis-based continuum depicts the percentage of persons living with diagnosed HIV (PLWDH) residing in Philadelphia at various levels of engagement in care and compares to the most recently published national outcomes. The Continuum (Figure 1A) includes the percentage of newly diagnosed people who were linked to care in a timely manner, defined as a CD4 or viral load collected within 1 month of initial HIV diagnosis; the percentage of PLWDH who received care, evidenced by at least one CD4 or viral load result in the calendar year; the percentage of PLWDH who were retained in care, defined as two or more laboratory results at least 91 days apart in the calendar year; and the percentage of PLWDH who were virally suppressed, defined as a viral load of <200 copies/mL at last measure in 2021.

Among newly diagnosed persons in 2021, 81.4% were linked to HIV medical care within 1 month of their diagnosis. Among all PLWDH, 64.2% received care during 2021. The proportion of PLWDH retained in HIV medical care was 43.7% in 2021. Finally, 55.7% of PLWDH were virally suppressed at most recent viral load (regardless of retention in care status) in 2021.

While the comparison to national data is an important reference, it is necessary to note that the most recently released data from the CDC reflects outcomes for 2020, when COVID-19 still had a major impact on access to care across the US.

Figure 1B is a modified HIV Continuum of Care assessing outcomes among those diagnosed with HIV who had evidence of recent HIV care in Philadelphia during the last 5 years. HIV case reporting data alone can overestimate the number of PLWDH due to duplicate case reporting, migration, and missed deaths. By excluding individuals without evidence of recent care, we hope to evaluate HIV care outcomes more precisely and better identify individuals in need of re-linkage to care and other services. Receipt of care, retention in HIV care, and viral suppression outcomes all increased from 2020 and were 80.8%, 55.0%, and 70.1%, respectively, among those with evidence of recent care (Figure 1B). Identifying new opportunities to improve outcomes along the continuum of care is vital to improving the health of persons living with HIV and reducing the rate of HIV transmission.

## Diagnoses of HIV Infection and AIDS (Stage 3)

In 2021, the majority of newly diagnosed HIV were in people assigned male sex at birth (79.2%), Non-Hispanic (NH) Black (62.7%), and in MSM (55.8%). Additionally, those aged 30-39 had the largest proportion of new diagnoses of among all age groups (31.5%) (Table 4). When considering the underlying population sizes of those newly diagnosed with HIV, the significant disparities in HIV diagnoses become readily apparent. The highest rates of new diagnoses were seen among MSM (1,534.5 per 100,000), which was nearly 8 times that of PWID (198.7), and nearly 64 times that of at-risk heterosexuals (24.1), defined as individuals over the age of 18 who are living in poverty (Figure 10).

Racial/ethnic health disparities in Philadelphia persist and mirror those observed across the nation. NH Black people have the highest burden of HIV compared to any other race/ethnicity group. In 2021, the highest rates of new HIV diagnoses were among non-Hispanic Black people (36.2 per 100,000), followed by Hispanics/Latinx (28.2) and non-Hispanic Whites (13.6) (Table 5).

New AIDS diagnoses in Philadelphia during 2021 were primarily among persons assigned male sex at birth (74.7%), NH Black individuals (64.3%), MSM (48.2%), and those aged 50 and over (36.2%) (Table 8). The proportion of concurrent AIDS diagnoses has steadily declined since 2015, however the proportion of concurrent diagnoses increased during 2021 to 20.0% from 17.9% in 2020 (Table 7).

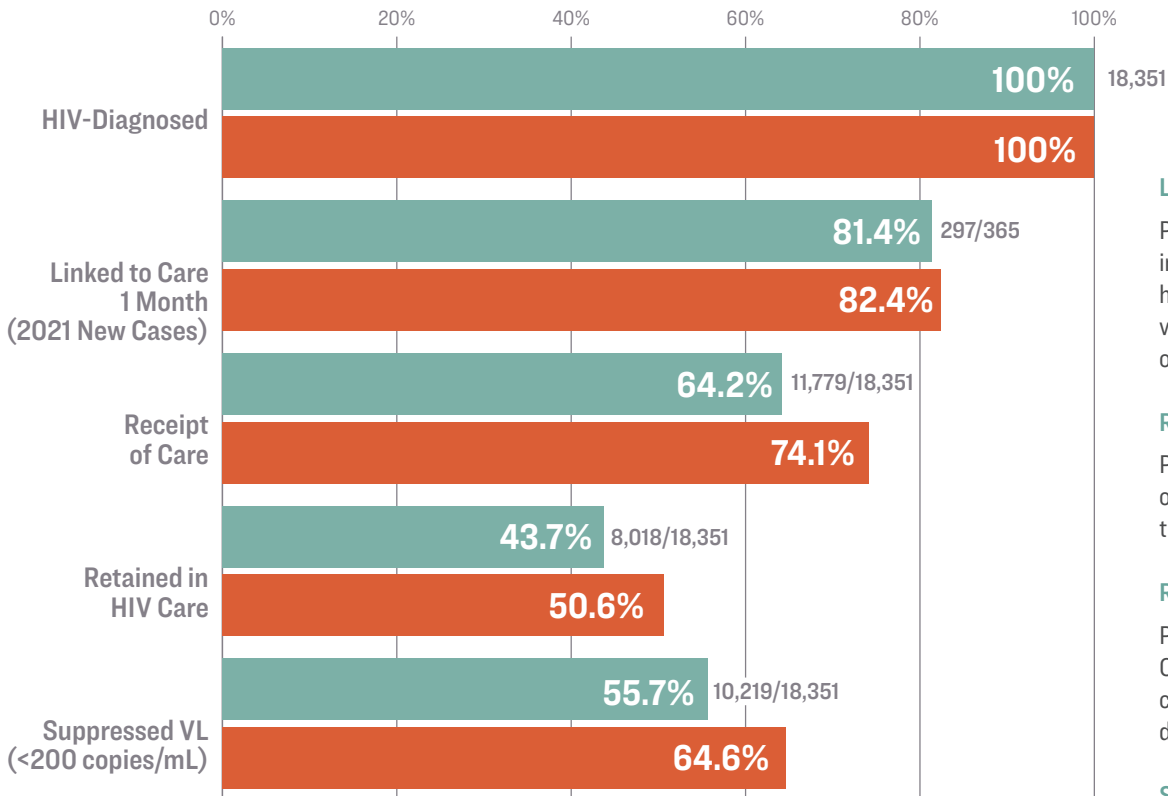
## Prevalence of HIV Infection among Philadelphia Residents

Among PLWDH diagnosed through 2021, males (72.2%), non-Hispanic Black people (63.7%), persons aged 50 and older (55.5%), and MSM (39.6%) accounted for the largest proportions by sex assigned at birth, race/ethnicity, age group, and transmission risk, respectively (Table 9). For both males and females, HIV prevalence rates are disproportionately higher for racial and ethnic minorities. HIV prevalence rates were highest among non-Hispanic Black people (1,814.7 per 100,000), followed by Hispanic/Latinx individuals (1,594.8) (Table 13).

Disparities in prevalence by race/ethnicity and transmission risk remain, with non-Hispanic Black MSM having the highest prevalence rates of HIV among any group (30,371.5 per 100,000 population) (Figure 12).

# HIV Care Continuum

FIGURE 1A Philadelphia 2021 vs the United States 2020



### Linked to Care

Persons diagnosed with HIV in a given calendar year who had one or more documented viral load or CD4 tests within one month of diagnosis.

### Receipt of HIV Care

Persons who have at least one CD4 or viral load during the calendar year.

### Retained in HIV Care

Persons who have 2 or more CD4 or viral loads during the calendar year, at least 91 days apart.

### Suppressed Viral Load (VL)

Last reported viral load of the calendar year being <200 copies/mL. Individuals with no evidence of a viral load in the calendar year are considered not suppressed.

FIGURE 1B Philadelphia HIV Care Continuum (Recent Care), 2021

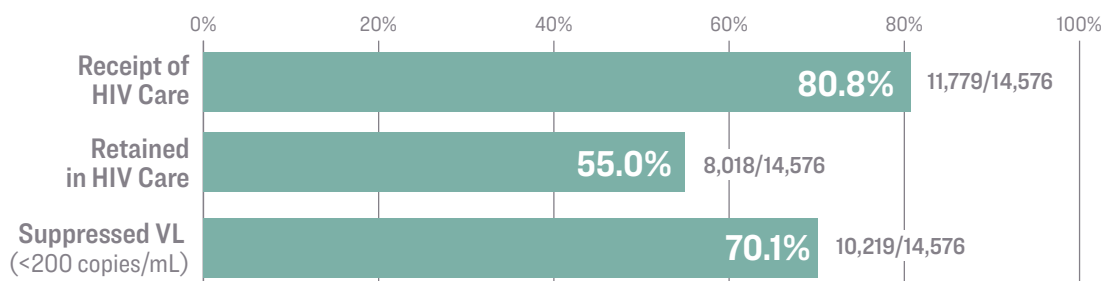


Figure 1A

**Source** Philadelphia Data: Philadelphia Department of Public Health, AIDS Activities Coordinating Office

**Source** Centers for Disease Control and Prevention. Monitoring selected national HIV prevention and care objectives by using HIV surveillance data—United States and 6 dependent areas, 2020. HIV Surveillance Supplemental Report 2022;27(No. 3). <http://www.cdc.gov/hiv/library/reports/hiv-surveillance.html>. Published May 2022. Accessed September 2022.

**Source** United States Data: 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 August 2021.

Figure 1B

**Note** Care Continuum Outcomes are Among PLWDH with a reported CD4 or Viral Load in the last 5 years (Jan 1, 2017 - Dec 31, 2021)

**Source** Philadelphia Department of Public Health, AIDS Activities Coordinating Office

# Equity

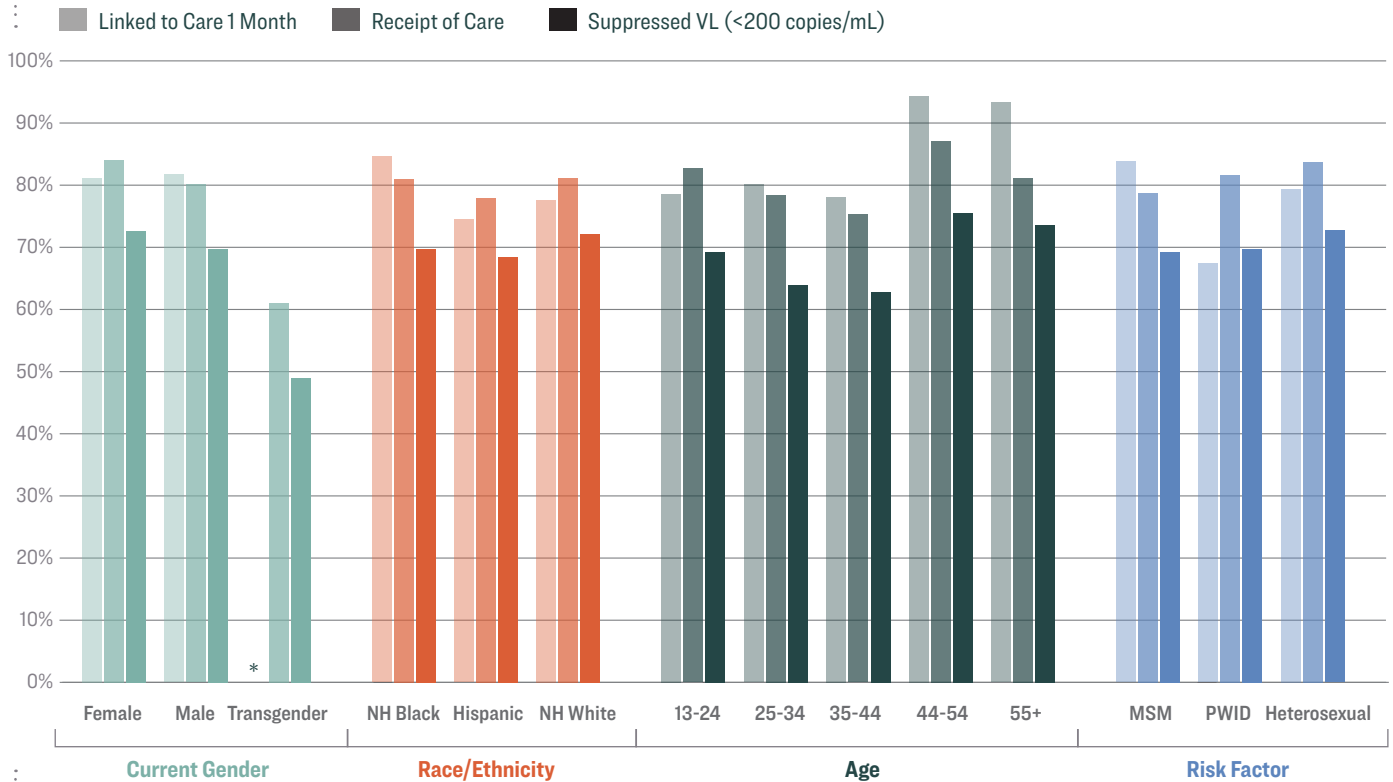
To achieve federal EHE initiative goals and reduce HIV transmission locally, PDPH is dedicated to ensuring that health equity is a foundational element of surveillance, prevention, and care practices. AACO has expanded the definition of health equity (Page 3) to include justice and dignity. This requires us to address structural and systemic drivers of health disparities including racism, discrimination, poverty, homelessness, and access to quality education, employment, and health care. This starts with how PDPH collects, analyzes, and disseminates HIV data to inform health department policies, practices, and services. The tables and graphs presented below provide critical quantitative and qualitative data that are necessary to highlight existing disparities and barriers within the HIV prevention and care infrastructure.

## Modified Continuum by Subgroup

Figure 2 illustrates the Modified Continuum of Care by different subgroups. Disaggregating data by race/ethnicity, gender, age group, and risk factor can highlight disparities that exist within outcomes. For example, Hispanic/Latinx and Transgender PLWDH both have the lowest rates of linkage, retention, and viral suppression, while all outcomes are greater among older PLWDH (aged 44+) when compared to younger individuals.

Additionally, linkage to care within 30 days was lowest among PWID, while receipt of care was lowest among MSM. Viral suppression was similar across risk groups.

FIGURE 2 Care Continuum Indicators by Select Demographics, 2021



Note \* Cell sizes <6 are suppressed. Source Philadelphia Department of Public Health, AIDS Activities Coordinating Office



# Equity

## Barriers to Care Data

Qualitative data collected through the Data to Care and Field Services programs indicates that 54.5% of barriers faced by out-of-care individuals are provider/structural barriers, 44.9% are patient rights/education barriers, 32.4% are supportive services/SES barriers, and 9.7% are behavioral health barriers.

Through Field Services outreach, PDPH works to re-engage these out-of-care individuals and connect them to resources including Medical Case Management, Emergency Food vouchers, Housing Assistance, and more. EHE funds were also provided to Ryan White HIV treatment sites to support individualized plans to remove structural-level barriers to care within their facilities including adding extended hours and readily available appointment slots.

TABLE 2 **Data-to-Care Barriers and Resources, 2019–2021**

### Barriers

Barrier Domain	% of Barriers Reported
Provider/Structural Barrier	54.5%
Patient Rights/Education	44.9%
Supportive Services/SES	32.4%
Behavioral Health	9.7%

**Note** Some barriers fall into multiple barrier categories and therefore will not total 100%. Provider/Structural barriers include challenges with time management, with the medical facility or provider, with SES factors, with health insurance and access to care, and with communication with the service system. Patient Rights/Education barriers include challenges with SES factors, with mental health, with health insurance and access to care, with patient education, and with medication adherence. Supportive Services/SES barriers include challenges with transportation, unemployment, child care, housing and food insecurity. Behavioral Health barriers include challenges with mental health and substance use.

### Resources Provided

Resource Type	N	%
Medical Case Management	80	66.1%
Mental Health Services	2	1.7%
Drug & Alcohol Treatment	1	0.8%
Health Insurance	1	0.8%
Self-Help/Support Groups	0	0.0%
Legal Services	2	1.7%
Governmental Services	0	0.0%
Criminal Justice Services	0	0.0%
Faith Community Support	0	0.0%
Immigration Services	0	0.0%
Clothing & Hygiene	0	0.0%
Emergency Food/Pantry	9	7.4%
Child Care	0	0.0%
Housing Services	4	3.3%
Utility Support	1	0.8%
Other	21	17.4%
<b>Total Resources Provided</b>	<b>121</b>	<b>100.0%</b>

**Source** Philadelphia Department of Public Health, AIDS Activities Coordinating Office, Data to Care (D2C)

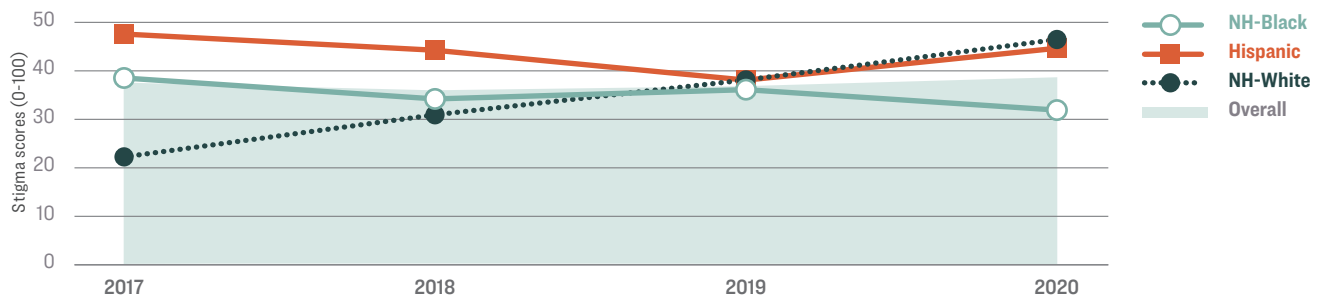
# Equity

## Stigma and Housing Stability

Two major components of the EHE initiative look to reduce HIV-related stigma and homelessness among PLWDH. The tables below illustrate stigma scores and homelessness by race/ethnicity from 2017 to 2020, collected through the Medical Monitoring Project (MMP). MMP collects data about behaviors, clinical outcomes, and quality of care from PLWDH randomly sampled in Philadelphia.

Stigma among NH Whites increased across years, with Hispanic/Latinx individuals having the highest stigma scores on average across all four years (Figure 3). NH Black individuals report stigma at or below the overall average score. Overall homelessness has decreased since 2018, however rates have increased among Hispanic/Latinx PLWDH and remained above the overall rate for NH Black people (Figure 4).

FIGURE 3 Trends of Stigma Scores Among PLWDH by Race/Ethnicity, 2017–2020

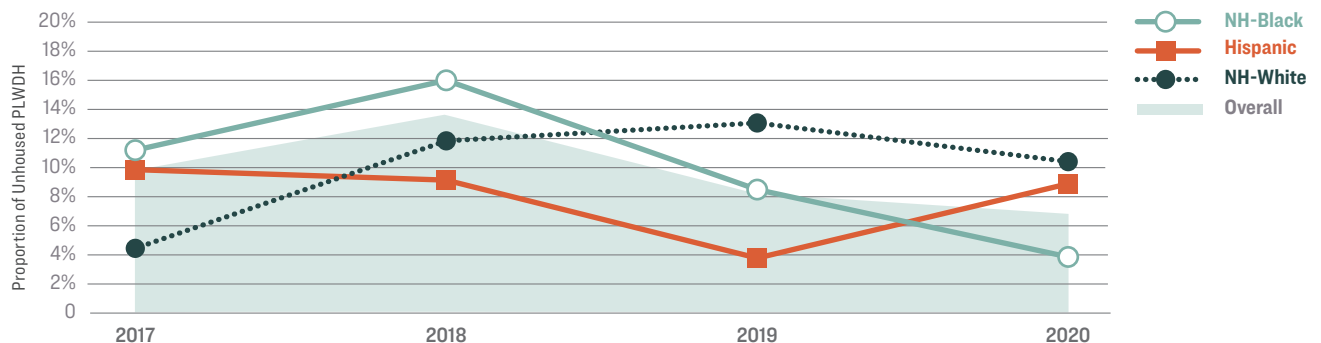


**Note** HIV-related stigma is defined as the weighted median score on a 10-item scale ranging from 0 (no stigma) to 100 (high stigma) that measures 4 dimensions of HIV stigma: personalized stigma during the past 12 months, current disclosure concerns, current negative self-image, and current perceived public attitudes about people living with HIV, measured among persons aged ≥18 years with diagnosed HIV infection living in the United States and Puerto Rico. The HIV stigma scale used for this indicator is discussed in: Wright, K., Naar-King, S., Lam, P., Templin, T., & Frey, M. (2007). Stigma scale revised: reliability and validity of a brief measure of stigma for HIV+ youth. *The Journal of adolescent health : official publication of the Society for Adolescent Medicine*, 40(1), 96–98. <https://doi.org/10.1016/j.jadohealth.2006.08.001>

For more information on MMP methodology, see: Beer L, Johnson C, Fagan J, Frazier E, Nyaku M, Craw J, Sanders C, Luna-Gierke R, Shouse R. A National Behavioral and Clinical Surveillance System of Adults With Diagnosed HIV (The Medical Monitoring Project): Protocol for an Annual Cross-Sectional Interview and Medical Record Abstraction Survey. *JMIR Res Protoc* 2019;8(11):e15453. URL: <https://www.researchprotocols.org/2019/11/e15453>. DOI: 10.2196/15453

**Source** Philadelphia Department of Public Health, AIDS Activities Coordinating Office, Medical Monitoring Project (MMP)

FIGURE 4 Trends in proportion of Unhoused PLWDH, 2017–2020



**Source** Philadelphia Department of Public Health, AIDS Activities Coordinating Office, Medical Monitoring Project (MMP)

# Topics of Continued Focus: COVID-19 Impact

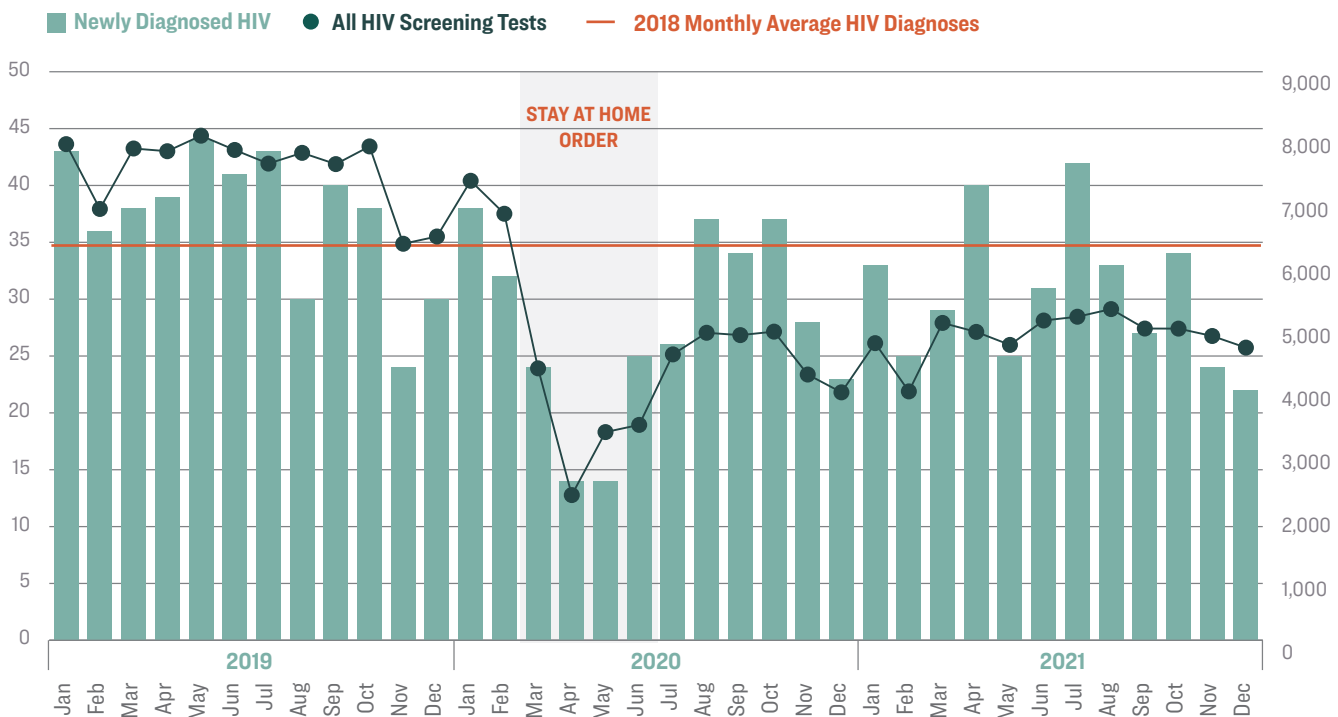
## Impact of COVID-19 on HIV Surveillance Data

- COVID-19 had a substantial impact on the HIV prevention and care infrastructure in Philadelphia during 2020, especially during the local stay-at-home order that went into effect on March 23, 2020. Efforts to restore HIV services and improve access to care were the focus of 2021.
- During 2021, the number of newly diagnosed cases increased from 2020 and mirrored slight increases in testing. However, HIV testing across the city did not return to pre-pandemic levels ([Figure 5](#)).
- There was a significant increase in the volume of viral load testing during 2021 compared to 2020, indicating that access to care has improved ([Figure 6](#)).
- The proportion of persons newly diagnosed with HIV who were concurrently diagnosed with AIDS has trended up from 13.0% in 2019 to 17.8% in 2020 to 20% in 2021. Concurrent diagnoses of HIV/AIDS infection represent missed opportunities for early HIV diagnosis and may be related to reduced access to HIV testing ([Table 7](#)).
- The impact of COVID-19 can also be seen across HIV Care Continuum measures ([Figure 1A](#)). While continuum measures have improved since 2020, retention in care and viral suppression have not returned to those observed pre-pandemic.
- During 2021, PDPH implemented several activities to direct resources to mitigate the impact of COVID among PLWDH and those at-risk for new infection including the creation of low threshold sexual health sites and the nPEP Center of Excellence, the implementation of AACO's Field Services Program, and the expansion of the HIV self-test kit program.



# Topics of Continued Focus: COVID-19 Impact

FIGURE 5 Overall HIV Screening Volume and Newly Diagnosed HIV, Philadelphia, 2019 – 2021

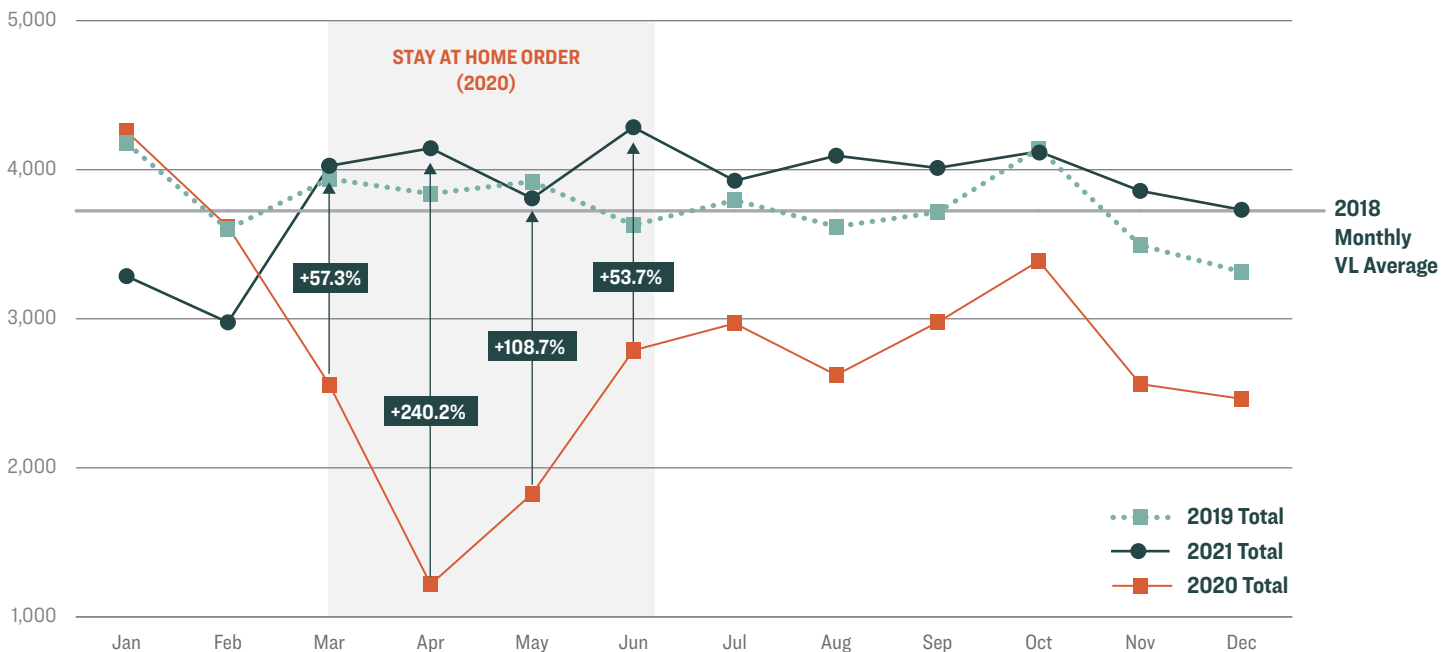


**Note** HIV screening tests include positive and negative HIV screening results from AACO-funded community and mobile-based testing, available clinical testing, and prison-based testing.

**Source** Philadelphia Department of Public Health, AIDS Activities Coordinating Office

FIGURE 6 HIV Viral Load Testing Volume, Philadelphia, 2019 – 2021

Note Percentage increase represents the change in viral load testing from 2020 to 2021.



**Note** Percentage increase represents the change in viral load testing from 2020 to 2021.

**Source** Philadelphia Department of Public Health, AIDS Activities Coordinating Office



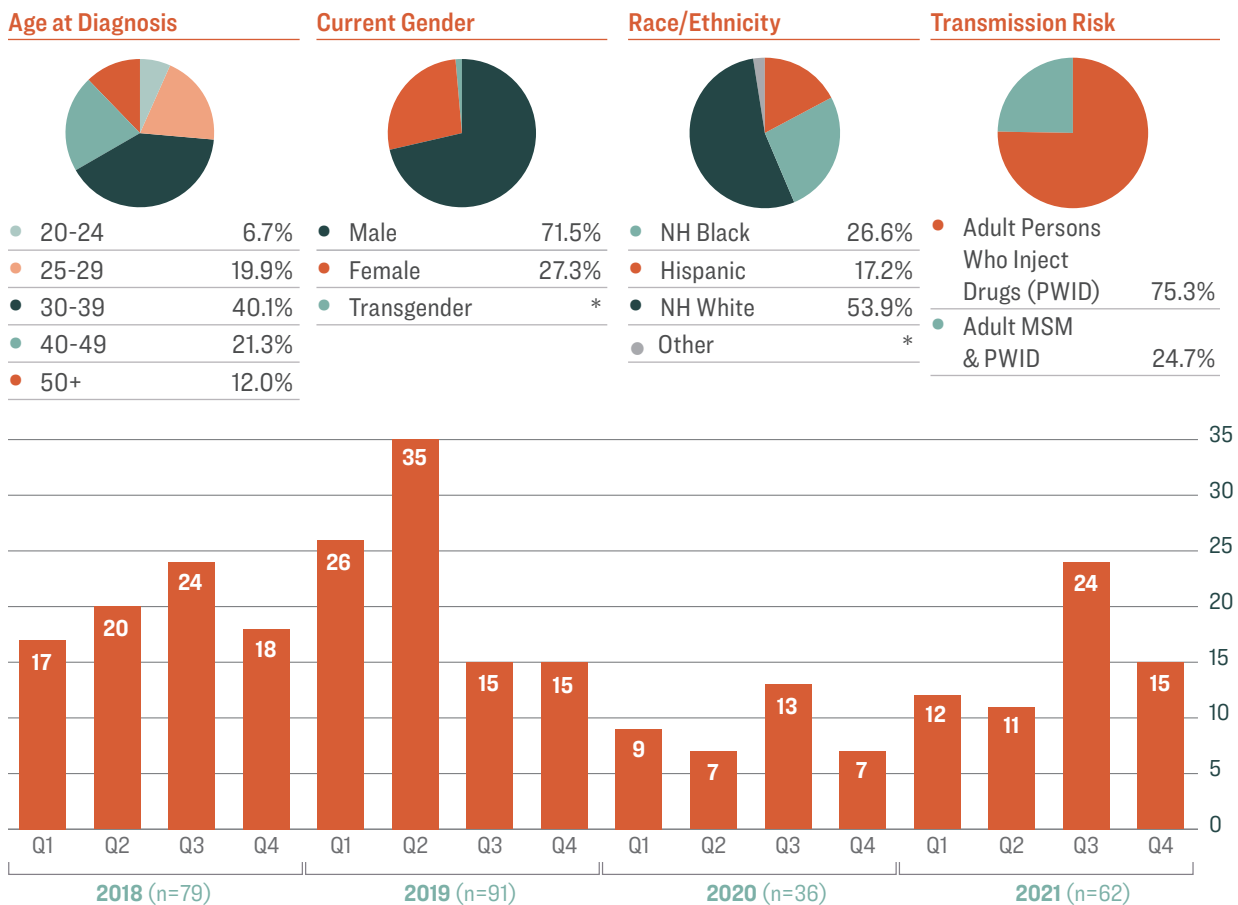
# Topics of Continued Focus: HIV Outbreak in PWID

## HIV Outbreak Among People Who Inject Drugs

After identifying an outbreak during 2018, the number of new HIV diagnoses among PWID, including men who inject and have sex with men (MSM/PWID), has steadily risen, with a high of 91 new diagnoses in 2019. This represented a 184% increase from 32 cases reported in 2016, or the last year that a decrease was observed. While a decrease in new infections within this population was noted in 2020 and attributed to the lack of access to testing opportunities during COVID-19, newly diagnosed cases have increased again in 2021, totaling 62 newly diagnosed cases (Figure 7). Of the outbreak cases diagnosed from 2018 to 2021, the vast majority are male (71.5%), NH White (53.9%), and aged 30 and older (73.3%).

The ongoing outbreak continues to highlight the risk for HIV infection among PWID and their sexual and syringe sharing partners. PDPH utilizes data-driven approaches to assess and intervene within this outbreak as part of the 'Respond' pillar in the EHE plan. During 2021, PDPH has prioritized the expansion of harm reduction services through increased funding for syringe service programs, resulting in increased service delivery hours, improved syringe access, and implementation of low threshold HIV prevention services.

FIGURE 7 Demographic Characteristics and HIV Epidemiological Curve among PWID, 2018–2021



**Note** \*Cell sizes <6 are suppressed.

**Source** Philadelphia Department of Public Health, AIDS Activities Coordinating Office

# Topics of Continued Focus: Transgender Persons

## Transgender Persons

The quality of data on transgender individuals has not improved at the same pace as surveillance data on the overall population. Some of these differences are attributed to the lack of a gender identity variable in the surveillance system and most medical records prior to 2009, making it difficult to determine gender identity for individuals diagnosed prior to the addition of these variables to the current data system. Furthermore, many transgender persons are misclassified as MSM. [Table 12](#) presents demographic information based on available gender identity and reclassifies transmission risk reported as MSM and heterosexual contact into one category termed sexual contact. Efforts to improve surveillance data on transgender individuals—including matching data to other sources such as the Ryan White CAREware database and other available health department databases, internal and external trainings on standardized collection of gender identity data and medical chart review, and additional abstractions from medical record data when necessary — have made a significant impact on identifying transgender PLWDH and are ongoing.

Notably, Philadelphia was one of seven sites that was funded for the National HIV Behavioral Surveillance (NHBS) pilot cycle among transgender women. The cycle began in 2019, with data collection completed in February 2020. NHBS provided data on the utilization of HIV prevention services by transgender women as well as sexual and drug-use behaviors that place transgender women at risk for HIV infection. These data were used to establish the PrEP continuum in Transgender Women ([Figure 8](#)) and will continue to provide valuable information for monitoring and evaluating national and local EHE goals and for guiding prevention efforts. A factsheet detailing findings from the 2019-2020 NHBS cycle among transgender women, and a companion implications document, will be released in the near future. The NHBS cycle among transgender women will be repeated in 2023.



# Topics of Continued Focus: Prevention

## PrEP Indications

Pre-Exposure Prophylaxis, or PrEP, is a daily medication taken by individuals at high risk for HIV infection to lower their chances of getting infected. In May of 2018, CDC published estimates of adults with indications for PrEP by transmission risk group and race/ethnicity. Based on this methodology, PDPH estimates that there were 8,190 HIV negative persons in Philadelphia during 2021 with a PrEP indication, with HIV-negative, non-Hispanic Black MSM having the greatest proportion of PrEP indications (71.0%) (Table 3).

PDPH continues to use the PrEP Monitoring and Evaluation plan, developed in 2019 through collaborations with other health departments and academic institutions, to track the progress of PrEP usage in the City of Philadelphia. While PrEP can reduce an individual's chances of acquiring HIV, it is only effective when taken as directed.

Adherence to PrEP must be stressed by providers and condom usage must still be encouraged to prevent other sexually transmitted infections

TABLE 3

**Estimates of Adults with Indications for HIV Pre-exposure Prophylaxis by Race/Ethnicity and Transmission Category, Philadelphia 2021\***

	NEGATIVE AT RISK			PrEP INDICATION			% NEGATIVE POPULATION		
	MSM	PWID	Heterosexual	MSM	PWID	Heterosexual	MSM	PWID	Heterosexual
NH Black	4,777	6,012	125,911	3,390	300	1,290	71.0%	5.0%	1.0%
Hispanic	2,104	3,754	48,244	850	200	170	40.4%	5.3%	0.4%
NH White	5,475	12,849	64,378	710	1,040	100	13.0%	8.1%	0.2%
<b>TOTAL**</b>	12,897	23,428	261,015	5,080	1,540	1,570	39.4%	6.6%	0.6%

\* Methods based on Smith, D.K., Handel, M.V., & Grey, J. (2018). Estimates of adults with indications for HIV pre-exposure prophylaxis by jurisdiction, transmission risk group, and race/ethnicity, United States 2015. *Annals of Epidemiology*.

\*\* Totals presented represent data for all racial/ethnic groups of a given population, and therefore will be greater than the sum of the three racial/ethnic groups presented.

**Note** The population of individuals 18 and older living below poverty level is used as a proxy for the at risk heterosexual population estimate. The MSM population estimate is based on number of active MSM in the past year. Racial/ethnic population estimates for HIV negative MSM are based on the proportion of MSM who were HIV negative by race/ethnicity in the National HIV Behavioral Surveillance (NHBS) data in 2017. Racial/ethnic population composition for all active PWID is based on race/ethnicity data for individuals with a primary diagnosis of opioid use disorder who participated in any Medicaid-funded outpatient services in Philadelphia in 2019. Racial/ethnic population estimates for HIV negative PWID are based on the proportion of PWID who were HIV negative by race/ethnicity in the National HIV Behavioral Surveillance (NHBS) data for Philadelphia in 2018.

**Source** Philadelphia Department of Public Health, AIDS Activities Coordinating Office

# Topics of Continued Focus: Prevention

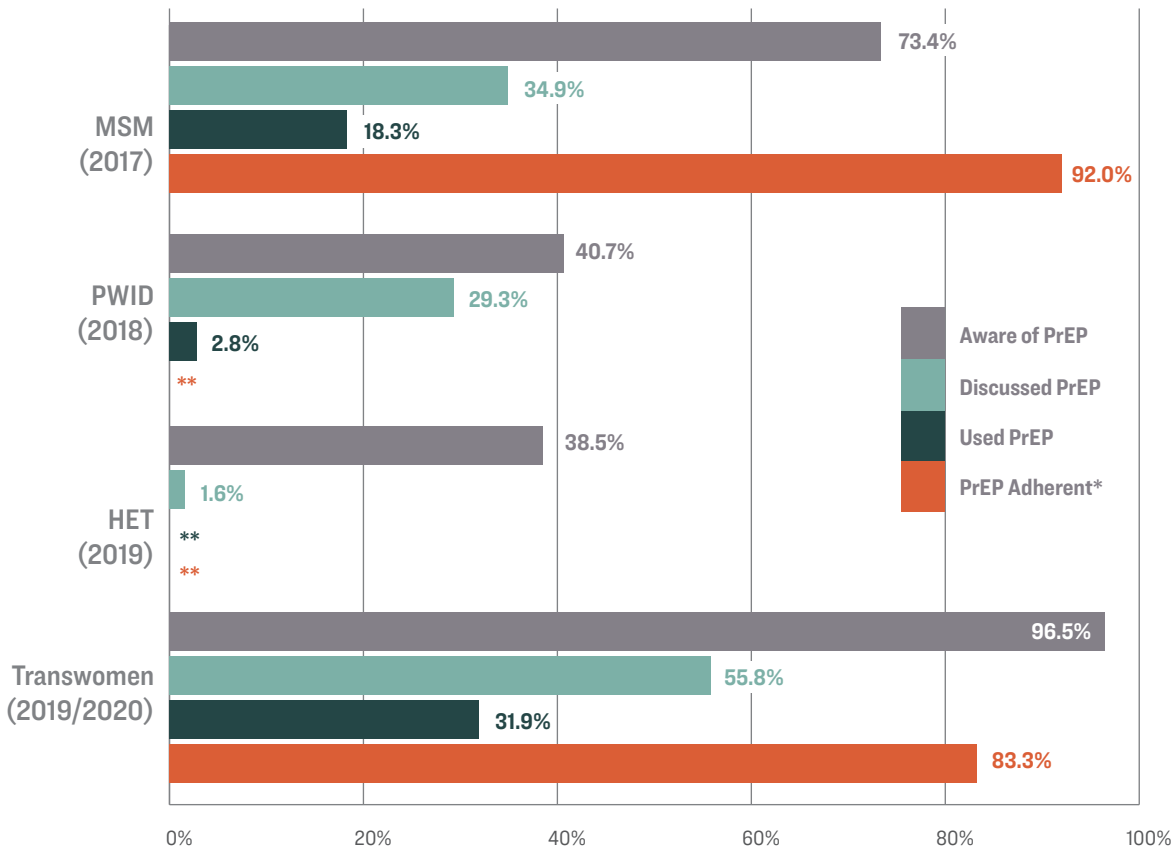
## PrEP Continuum

The PrEP continuum is similar to the HIV continuum of care but was developed using data from the CDC funded National HIV Behavioral Surveillance (NHBS) project and is used to help monitor efforts to increase PrEP awareness, use, and adherence among HIV negative individuals at risk for HIV. There are four metrics along the PrEP continuum: 1) Awareness of PrEP, 2) discussing PrEP with a medical provider in the past year, 3) using PrEP in the past year, and 4) PrEP adherence in the past year. The PrEP continuum is presented for HIV negative individuals in four at-risk populations, including MSM, at-risk heterosexuals, PWID, and transwomen.

Due to the impact of COVID-19 on the ability to conduct routine NHBS activities, the scheduled 2020 MSM NHBS cycle was postponed to 2021. However, due to the small sample size resulting from COVID-19, the 2021 data are unreliable. The next MSM cycle for NHBS will be in 2023. Therefore, data reported here remain unchanged from last report. PrEP awareness, discussions about PrEP, and PrEP usage were highest among transwomen, while PrEP adherence was highest among MSM. Both at-risk heterosexuals and PWID reported the lowest levels of awareness, discussions about, and usage of PrEP. Less than half of all MSM, PWID, and heterosexuals interviewed had discussed PrEP with their provider in the past year.

**Identifying and removing barriers to PrEP for underserved populations is necessary to improve the PrEP continuum among all groups.**

FIGURE 8  
Continuum of PrEP Awareness and Usage



\*Among those who reported PrEP use in the past year. Adherent is defined as taking PrEP every day or almost every day.

\*\*Numbers become too small to present stable population estimates.

**Note**  
These numbers are presented as percentages, with the denominator being all HIV negative persons interviewed (with the exception of 'PrEP Adherent').

Source Philadelphia Department of Public Health, AIDS Activities Coordinating Office, National HIV Behavioral Surveillance Project (NHBS)



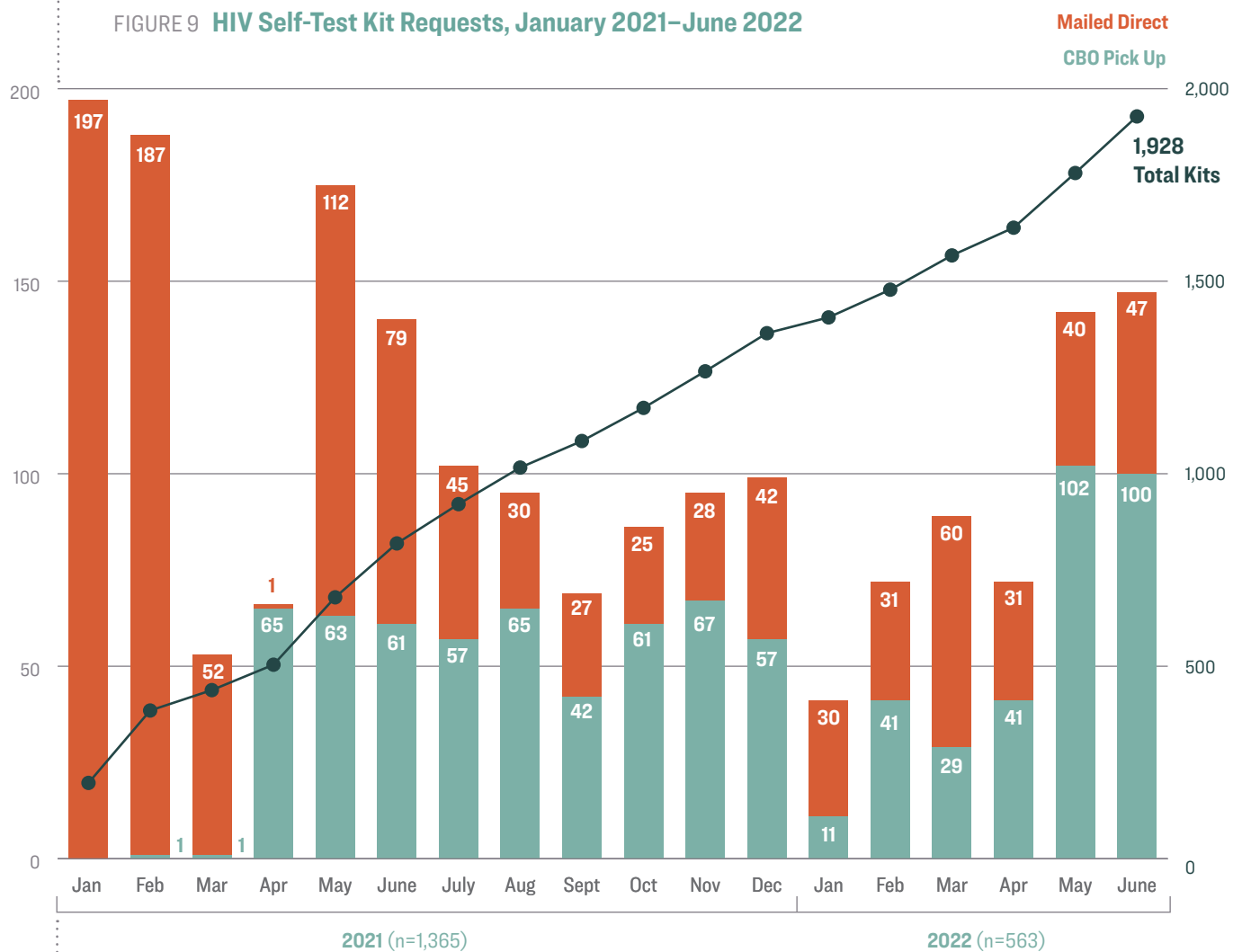
# Topics of Continued Focus: Prevention

## HIV Self Test Program

During 2021, PDPH expanded the HIV self-test program, which increases HIV testing opportunities by providing an alternative for people at higher risk for acquiring HIV who may be unwilling or decline to get tested in other venues. In addition to increasing awareness of HIV status, the program destigmatizes HIV screening by providing a personal and private experience. From January 2021 through June 2022, PDPH supplied nearly 2,500 self-test kits to community-based partner agencies (data not shown).

During this period, 1,064 kits were requested and mailed direct to consumer and an additional 864 were picked up from a community-based partner agency (Figure 9). Consumers can request an in-home test kit to be mailed to their home address through the campaign website: <http://www.PhillyKeepOnLoving.com> or kits can be picked up at one of our community-based partner agencies.

FIGURE 9 HIV Self-Test Kit Requests, January 2021–June 2022



Source Philadelphia Department of Public Health, AIDS Activities Coordinating Office

# Newly Diagnosed Cases

TABLE 4 By Year and Selected Characteristics (regardless of AIDS status) | 2017 – 2021

Bar graphs indicate 2021 percentages

	YEAR OF DIAGNOSIS									
	2017		2018		2019		2020		2021	
	N	%	N	%	N	%	N	%	N	%
<b>Total</b>	508	100.0 %	438	100.0 %	445	100.0 %	335	100.0 %	365	100.0 %
<b>Sex Assigned at Birth:</b>										
Female	105	20.7 %	107	24.4 %	108	24.3 %	82	24.5 %	76	20.8 %
Male	403	79.3 %	331	75.6 %	337	75.7 %	253	75.5 %	289	79.2 %
<b>Race/Ethnicity</b>										
NH Black	343	67.5 %	258	58.9 %	280	62.9 %	227	67.8 %	229	62.7 %
Hispanic	82	16.1 %	88	20.1 %	79	17.8 %	54	16.1 %	52	14.2 %
NH White	69	13.6 %	78	17.8 %	74	16.6 %	45	13.4 %	76	20.8 %
Multi-race	7	1.4 %	6	1.4 %	9	2.0 %	*	*	*	*
Asian	*	*	6	1.4 %	*	*	*	*	*	*
Other/Unknown	*	*	*	*	*	*	*	*	*	*
<b>Age Category</b>										
0-12	0	0.0 %	0	0.0 %	0	0.0 %	*	*	*	*
13-19	43	8.5 %	22	5.0 %	32	7.2 %	19	5.7 %	18	4.9 %
20-24	95	18.7 %	91	20.8 %	76	17.1 %	51	15.2 %	66	18.1 %
25-29	102	20.1 %	83	18.9 %	99	22.2 %	75	22.4 %	77	21.1 %
30-39	138	27.2 %	119	27.2 %	115	25.8 %	98	29.3 %	115	31.5 %
40-49	61	12.0 %	49	11.2 %	60	13.5 %	42	12.5 %	39	10.7 %
50+	69	13.6 %	74	16.9 %	63	14.2 %	49	14.6 %	48	13.2 %
<b>Transmission Risk</b>										
MSM	279	54.9 %	212	48.4 %	236	53.0 %	192	57.3 %	204	55.9 %
PWID	43	8.5 %	59	13.5 %	74	16.6 %	26	7.8 %	43	11.8 %
MSM/PWID	*	*	20	4.6 %	17	3.8 %	10	3.0 %	19	5.2 %
Heterosexual	110	21.7 %	86	19.6 %	87	19.6 %	81	24.2 %	63	17.3 %
Pediatric	0	0.0 %	0	0.0 %	0	0.0 %	*	*	*	*
No Reported Risk	71	14.0 %	61	13.9 %	31	7.0 %	25	7.5 %	34	9.3 %
<b>Hepatitis Co-infections**</b>										
Hepatitis B	12	2.3 %	15	3.4 %	13	2.9 %	7	2.1 %	9	2.5 %
Hepatitis C	55	10.8 %	72	16.4 %	81	18.2 %	40	11.9 %	47	12.9 %
<b>Total Cases</b>	<b>508</b>		<b>438</b>		<b>445</b>		<b>335</b>		<b>365</b>	

**Note** \*Cell sizes <6 are suppressed.  
 \*\*Ever reported Hepatitis B- or Hepatitis C-positive.  
 Due to rounding, percentages may not add up to exactly 100%.

**Source** Philadelphia Department of Public Health, AIDS Activities Coordinating Office

# Newly Diagnosed HIV

TABLE 5 **By Race/Ethnicity and Selected Characteristics**  
(regardless of AIDS status) | 2021

	NH BLACK		HISPANIC		NH WHITE	
	N	%	N	%	N	%
<b>Total</b>	<b>229</b>	<b>100.0 %</b>	<b>52</b>	<b>100.0 %</b>	<b>76</b>	<b>100.0 %</b>
<b>Sex Assigned at Birth</b>						
Female	55	24.0 %	9	17.3 %	11	14.5 %
Male	174	76.0 %	43	82.7 %	65	85.5 %
<b>Age Category</b>						
0-12	*	*	*	*	0	0.0%
13-19	16	7.0 %	*	*	0	0.0%
20-24	53	23.1 %	8	15.4 %	*	*
25-29	54	23.6 %	7	13.5 %	14	18.4 %
30-39	57	24.9 %	20	38.5 %	36	47.4 %
40-49	16	7.0 %	9	17.3 %	12	15.8 %
50+	32	14.0 %	*	*	9	11.8 %
<b>Transmission Risk</b>						
MSM	136	59.4 %	34	65.3 %	29	38.1 %
PWID	7	3.1 %	*	*	30	39.5 %
MSM/PWID	*	*	*	*	12	15.8 %
Heterosexual	52	22.7 %	7	13.4 %	*	*
Pediatric	*	*	0	0.0%	0	0.0%
No Reported Risk	27	11.8 %	*	*	*	*
<b>Total N</b>	<b>229</b>		<b>52</b>		<b>76</b>	
<b>Rate per 100,000</b>	<b>36.2</b>		<b>28.2</b>		<b>13.6</b>	
	<b>NH BLACK</b>		<b>HISPANIC</b>		<b>NH WHITE</b>	

**Note** \*Cell sizes <6 are suppressed.  
Due to rounding, percentages may not add up to exactly 100%.

**Source** Philadelphia Department of Public Health, AIDS Activities Coordinating Office

# Newly Diagnosed HIV

TABLE 6 **By Sex Assigned at Birth and Selected Characteristics | 2021**

Assigned males at birth comprised the majority of all new HIV diagnoses (79.2%), with the highest rates among MSM. Assigned females at birth comprised 20.8% of new diagnoses, with highest rates among NH Black and heterosexual women.

	ASSIGNED FEMALE AT BIRTH			ASSIGNED MALE AT BIRTH		
	N	%	Rate †	N	%	Rate †
<b>Total</b>	76	100.0 %	9.5	289	100.0 %	40.9
<b>Race/Ethnicity</b>						
NH Black	55	72.4 %	15.7	174	60.2 %	61.5
Hispanic	9	11.8 %	9.6	43	14.9 %	47.3
NH White	11	14.5 %	3.8	65	22.5 %	24.1
Asian	0	0.0%	0	*	*	*
Multi-race	*	*	*	*	*	*
Other/Unknown	0	0.0%	*	*	*	*
<b>Age Category</b>						
0-12	*	*	*	0	0.0%	0
13-19	*	*	*	15	5.2 %	19.5
20-24	11	14.5 %	14.6	55	19.0 %	77.6
25-29	11	14.5 %	15.5	66	22.8 %	103.5
30-39	25	32.9 %	23.6	90	31.1 %	94.0
40-49	11	14.5 %	11.0	28	9.7 %	31.1
50+	13	17.1 %	5.1	35	12.1 %	19.0
<b>Transmission Risk</b>						
MSM	0	0.0%	–	204	70.6 %	1534.5
PWID	13	17.1 %	–	30	10.4 %	N/A
MSM/PWID	0	0.0%	–	19	6.6 %	N/A
Heterosexual	59	77.6 %	48.2	*	*	*
Pediatric	*	*	*	*	*	*
No Reported Risk	*	*	*	31	10.7 %	N/A
<b>Total N</b>	76			289		
	ASSIGNED FEMALE AT BIRTH			ASSIGNED MALE AT BIRTH		

**Note** \*Cell sizes <6 are suppressed.

† Rates for age and race/ethnicity by sex assigned at birth were calculated using the 2010 decennial census. **MSM** rates were calculated using estimates of MSM activity among males 13 and older in the last year. **Heterosexual** rates were calculated using the number of individuals 18 and older living below the federal poverty level from the 2010 American Community Survey.

Due to rounding, percentages may not add up to exactly 100%.

**Source** Philadelphia Department of Public Health, AIDS Activities Coordinating Office



# Newly Diagnosed HIV

MAP1 **By Census Tract | 2021**

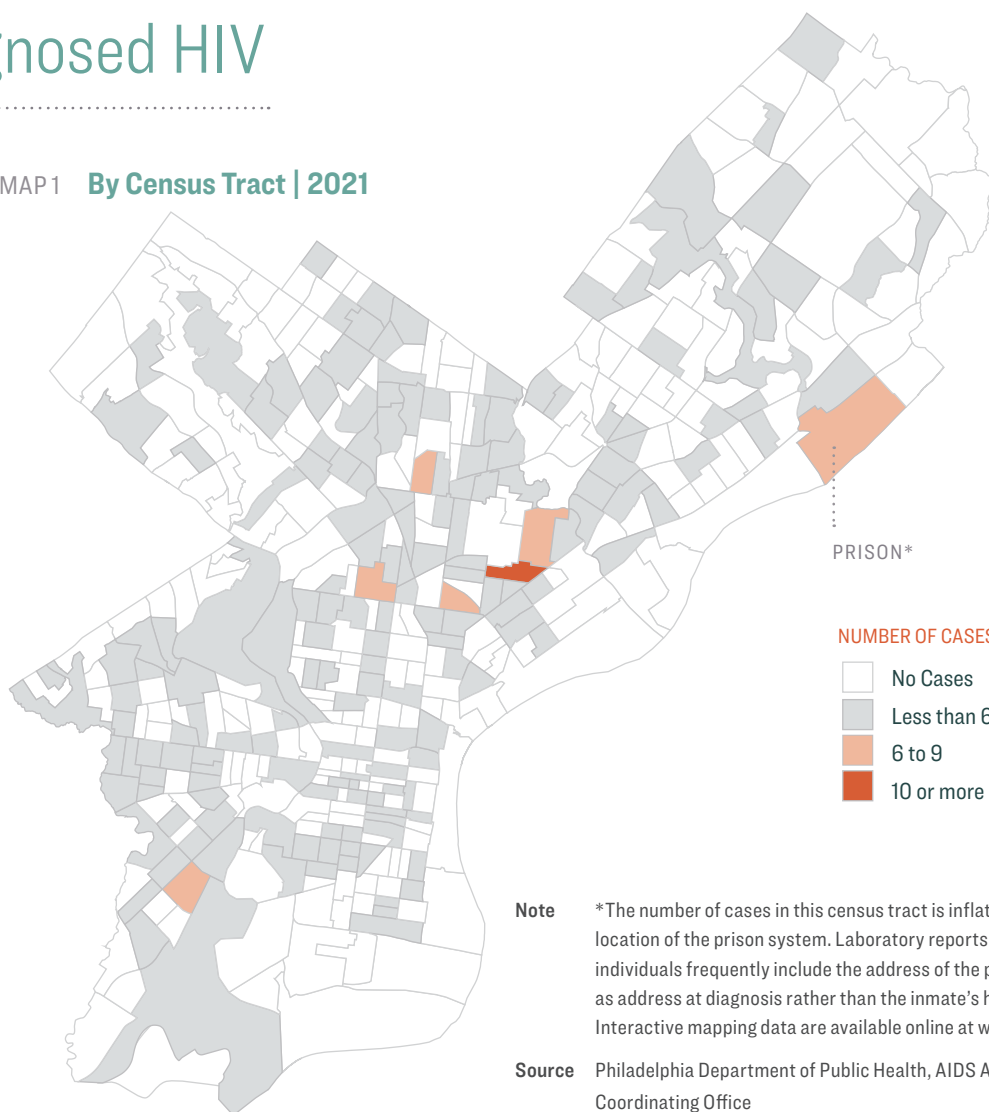
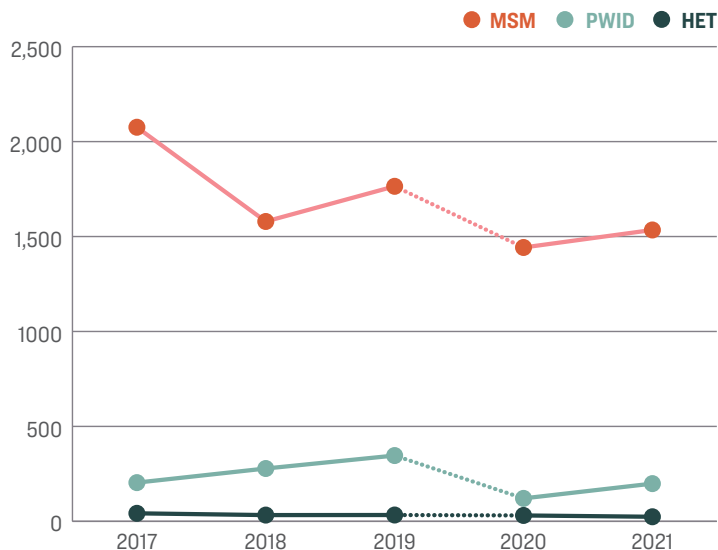


FIGURE 10  
**Rates of Newly Diagnosed HIV disease per 100,000 People by Year of Diagnosis and Risk Group, 2017 – 2021**

**Note**  
 Dotted line represents unreliable data for trend between two years.

MSM population size based on estimates of MSM activity among males 13 and older in the last year. Active PWID population size estimated as 25,000 citywide. Individuals 18 and older living below the poverty level was used as a proxy for at-risk heterosexuals.

**Source** Philadelphia Department of Public Health, AIDS Activities Coordinating Office



# AIDS Diagnoses

TABLE 7

## Concurrent HIV/AIDS, Demographics and Transmission Risk | 2017 – 2021

	2017				2018				2019				2020				2021			
	Non-concurrent		Concurrent HIV/AIDS		Non-concurrent		Concurrent HIV/AIDS		Non-concurrent		Concurrent HIV/AIDS		Non-concurrent		Concurrent HIV/AIDS		Non-concurrent		Concurrent HIV/AIDS	
	N	Row%	N	Row%	N	Row%	N	Row%	N	Row%	N	Row%	N	Row%	N	Row%	N	Row%	N	Row%
<b>Total</b>	422	83.1%	86	16.9%	376	85.8%	62	14.2%	388	87.2%	57	12.8%	60	17.9%	292	80.0%	73	20.0%		
<b>Sex Assigned at Birth</b>																				
Female	87	82.9%	18	17.1%	93	86.9%	14	13.1%	98	90.7%	10	9.3%	18	22.0%	60	78.9%	16	21.1%		
Male	335	83.1%	68	16.9%	283	85.5%	48	14.5%	290	86.1%	47	13.9%	42	16.6%	232	80.3%	57	19.7%		
<b>Race/Ethnicity</b>																				
NH Black	285	83.1%	58	16.9%	219	84.9%	39	15.1%	247	88.2%	33	11.8%	36	15.9%	179	78.2%	50	21.8%		
Hispanic	70	85.4%	12	14.6%	74	84.1%	14	15.9%	62	78.5%	17	21.5%	7	13.0%	38	73.1%	14	26.9%		
NH White	56	81.2%	13	18.8%	69	88.5%	9	11.5%	68	91.9%	6	8.1%	13	28.9%	68	89.5%	8	10.5%		
Multi-race	6	20.6%	*	*	6	100.0%	0	0.0%	8	88.9%	*	*	*	*	*	*	0	0.0%		
Asian	*	*	*	*	6	100.0%	0	0.0%	*	*	0	0.0%	*	*	*	*	*	*		
Other/Unknown	*	*	*	*	*	*	0	0.0%	*	*	0	0.0%	*	*	*	*	*	*		
<b>Age at HIV Dx</b>																				
0-12	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%		
13-19	42	97.7%	*	*	21	95.4%	*	*	31	96.9%	*	*	18	94.7%	*	*	15	83.3%	*	*
20-24	88	92.6%	7	7.4%	82	90.1%	9	9.9%	70	92.1%	6	7.9%	47	92.1%	*	*	60	90.9%	6	9.1%
25-29	93	91.2%	9	8.8%	77	92.8%	6	7.2%	87	87.9%	12	12.1%	66	88.0%	9	12.0%	69	89.6%	8	10.4%
30-39	116	84.1%	22	15.9%	97	81.5%	22	18.5%	95	82.6%	20	17.4%	80	81.6%	18	18.4%	92	80.0%	23	20.0%
40-49	39	63.9%	22	36.1%	38	77.6%	11	22.4%	51	85.0%	9	15.0%	28	66.7%	14	33.3%	29	74.4%	10	25.6%
50+	44	63.8%	25	36.2%	61	82.4%	13	17.6%	54	85.7%	9	14.3%	35	71.4%	14	28.6%	25	52.1%	23	47.9%
<b>Transmission Risk</b>																				
MSM	244	87.5%	35	12.5%	183	86.3%	29	13.7%	201	85.2%	35	14.8%	27	14.1%	165	80.9%	39	19.1%		
PWID	34	79.1%	9	20.9%	53	89.8%	6	10.2%	69	93.2%	*	*	*	*	37	86.0%	6	14.0%		
MSM/PWID	*	*	0	0.0%	18	90.0%	*	*	16	94.1%	*	*	7	70.0%	*	*	19	100.0%	0	0.0%
Heterosexual	90	81.8%	20	18.2%	73	84.9%	13	15.1%	76	87.4%	11	12.6%	20	24.7%	49	77.8%	14	22.2%		
Pediatric	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	*	*	0	0.0%		
No Reported Risk	49	69.0%	22	31.0%	49	80.3%	12	19.7%	26	83.9%	*	*	7	28.0%	20	58.8%	14	41.2%		

**Note** \*Cell sizes < 6 are suppressed. Concurrent HIV/AIDS is defined as diagnosis of AIDS within 90 days of initial diagnosis of HIV. Due to rounding, percentages may not add up to exactly 100%.

**Source** Philadelphia Department of Public Health, AIDS Activities Coordinating Office

# AIDS Diagnoses

TABLE 8  
By Year and Selected Characteristics | 2017 – 2021

Bar graphs indicate 2021 percentages

		YEAR OF DIAGNOSIS									
		2017		2018		2019		2020		2021	
		N	%	N	%	N	%	N	%	N	%
<b>Total</b>		245	100.0 %	158	100.0 %	172	100.0 %	157	100.0 %	174	100.0 %
<b>Sex Assigned at Birth</b>											
	Female	71	29.0 %	44	27.8 %	44	25.6 %	48	30.6 %	44	25.3 %
	Male	174	71.0 %	114	72.2 %	128	74.4 %	109	69.4 %	130	74.7 %
<b>Race/Ethnicity</b>											
	NH Black	152	62.0 %	108	68.4 %	105	61.0 %	110	70.1 %	112	64.4 %
	Hispanic	43	17.6 %	31	19.6 %	38	22.1 %	22	14.0 %	31	17.8 %
	NH White	38	15.5 %	19	12.0 %	25	14.5 %	20	12.7 %	24	13.8 %
	Multi-race	10	4.1 %	0	0.0 %	*	*	*	*	*	*
	Asian	*	*	0	0.0 %	*	*	*	*	*	*
	Other/Unknown	*	*	0	0.0 %	0	0.0 %	*	*	*	*
<b>Age Category</b>											
	13-19	*	*	*	*	*	*	*	*	*	*
	20-24	13	5.3 %	15	9.5 %	13	7.6 %	*	*	8	4.6 %
	25-29	31	12.7 %	17	10.8 %	34	19.8 %	23	14.6 %	17	9.8 %
	30-39	62	25.3 %	48	30.4 %	51	29.6 %	50	31.8 %	55	31.6 %
	40-49	54	22.0 %	26	16.4 %	26	15.1 %	32	20.4 %	28	16.1 %
	50+	82	33.5 %	51	32.3 %	45	26.2 %	46	29.3 %	63	36.2 %
<b>Transmission Risk</b>											
	MSM	91	37.1 %	61	38.6 %	73	42.4 %	61	38.8 %	84	48.3 %
	PWID	33	13.5 %	28	17.7 %	29	16.9 %	18	11.5 %	22	12.6 %
	MSM/PWID	8	3.3 %	*	*	*	*	8	5.1 %	*	*
	Heterosexual	87	35.5 %	46	29.1 %	54	31.4 %	54	34.4 %	46	26.4 %
	Pediatric	*	*	*	*	*	*	*	*	0	0.0 %
	No Reported Risk	25	10.2 %	16	10.1 %	10	5.8 %	13	8.3 %	18	10.3 %
<b>Total Cases</b>		245		158		172		157		174	

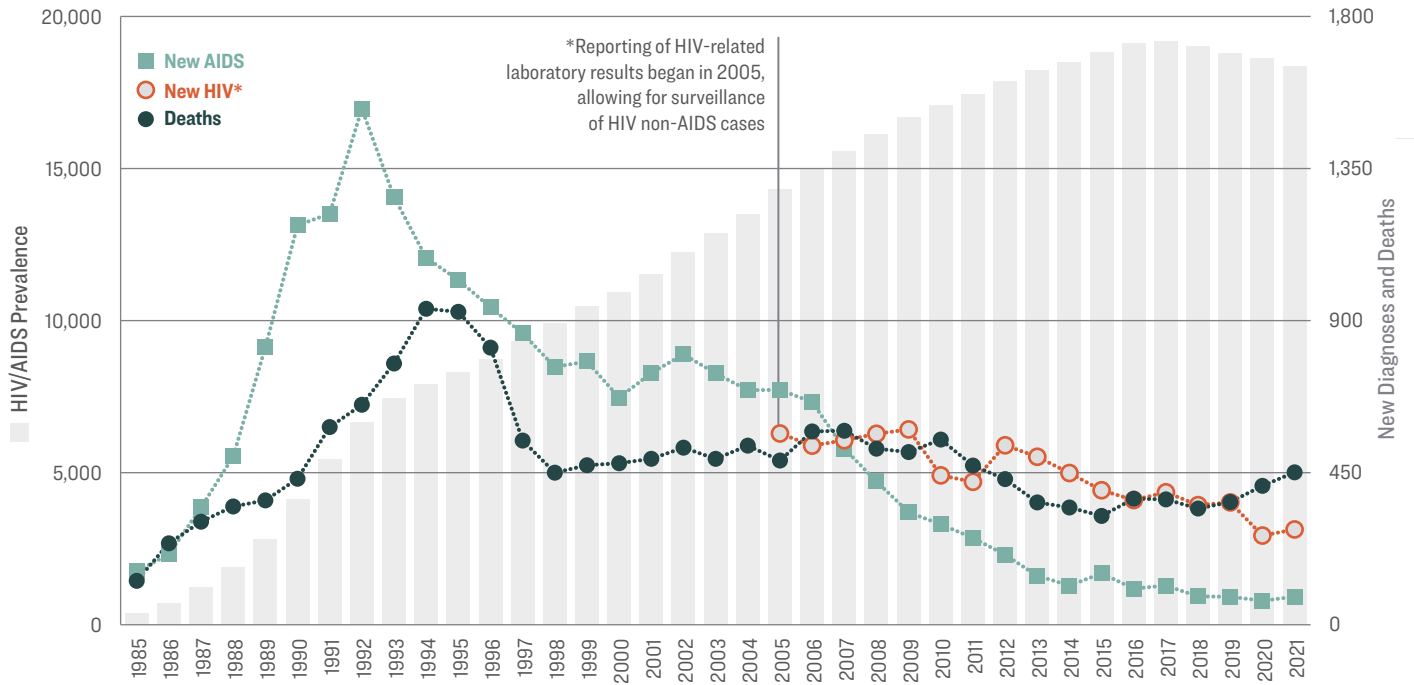
**Note** \*Cell sizes < 6 are suppressed.

A proportion of AIDS diagnoses in each year were diagnosed with HIV in a previous year and later progressed to AIDS. Due to rounding, percentages may not add up to exactly 100%.

**Source** Philadelphia Department of Public Health, AIDS Activities Coordinating Office

# Persons Living with Diagnosed HIV

FIGURE 11  
**Philadelphia HIV and AIDS Diagnoses, Deaths,  
 and Prevalence by Year | 1985 – 2021**



Source Philadelphia Department of Public Health, AIDS Activities Coordinating Office



# Persons Living with Diagnosed HIV

TABLE 9  
HIV (non-AIDS) and AIDS Cases by Selected Characteristics | 2021

	HIV (NON-AIDS)		AIDS		HIV/AIDS	
	N	%	N	%	N	%
<b>Total</b>	<b>8,596</b>	<b>100.0 %</b>	<b>9,755</b>	<b>100.0 %</b>	<b>18,351</b>	<b>100.0 %</b>
<b>Sex Assigned at Birth</b>						
Female	2,376	27.6 %	2,723	27.9 %	5,099	27.8 %
Male	6,220	72.4 %	7,032	72.1 %	13,252	72.2 %
<b>Race/Ethnicity</b>						
NH Black	5,408	62.9 %	6,284	64.4 %	11,692	63.7 %
Hispanic	1,446	16.8 %	1,546	15.8 %	2,992	16.3 %
NH White	1,421	16.5 %	1,564	16.0 %	2,985	16.3 %
Multi-race	189	2.2 %	247	2.5 %	436	2.4 %
Asian	100	1.2 %	96	1.0 %	196	1.1 %
Other/Unknown	32	0.4 %	18	0.2 %	50	0.2 %
<b>Age Category**</b>						
<13	12	0.1 %	0	0.0 %	12	0.0 %
13-19	46	0.5 %	8	0.1 %	54	0.3 %
20-24	333	3.9 %	61	0.6 %	394	2.1 %
25-29	784	9.1 %	207	2.1 %	991	5.4 %
30-39	2,326	27.0 %	1,161	11.9 %	3,487	19.0 %
40-49	1,656	19.3 %	1,559	16.0 %	3,215	17.5 %
50+	3,439	40.0 %	6,759	69.3 %	10,198	55.6 %
<b>Transmission Risk</b>						
MSM	3,865	45.0 %	3,411	35.0 %	7,276	39.6 %
PWID	1,146	13.3 %	2,212	22.7 %	3,358	18.3 %
MSM/PWID	282	3.3 %	502	5.1 %	784	4.3 %
Other	*	*	9	0.1 %	11	0.1 %
Heterosexual	2,911	33.9 %	3,268	33.5 %	6,179	33.7 %
Pediatric	110	1.3 %	142	1.4 %	252	1.4 %
No Reported Risk	280	3.2 %	211	2.2 %	491	2.7 %
<b>Total N</b>	<b>8,596</b>		<b>9,755</b>		<b>18,351</b>	

● FEMALE  
● MALE

**Note** \*Cell sizes <6 are suppressed.  
\*\* Age as of December 31, 2021  
Due to rounding, percentages may not add up to exactly 100%.

**Source** Philadelphia Department of Public Health, AIDS Activities Coordinating Office

# Persons Living with Diagnosed HIV

TABLE 10  
By Race/Ethnicity and Selected Characteristics | 2021

	NH BLACK		HISPANIC		NH WHITE	
	N	%	N	%	N	%
<b>Total</b>	<b>11,692</b>	<b>100.0 %</b>	<b>2,992</b>	<b>100.0 %</b>	<b>2,985</b>	<b>100.0 %</b>
<b>Sex Assigned at Birth:</b>						
● Female	3,657	31.3 %	805	26.9 %	462	15.5 %
● Male	8,035	68.7 %	2,187	73.1 %	2,523	84.5 %
<b>Age Category**</b>						
<13	6	0.1 %	*	*	0	0.0 %
13-19	42	0.4 %	9	0.3 %	*	*
20-24	298	2.5 %	73	2.4 %	16	0.5 %
25-29	725	6.2 %	141	4.7 %	86	2.9 %
30-39	2,329	19.9 %	543	18.1 %	463	15.5 %
40-49	1,982	17.0 %	595	19.9 %	494	16.5 %
50+	6,310	54.0 %	1,627	54.4 %	1,924	64.5 %
<b>Transmission Risk</b>						
MSM	4,259	36.4 %	973	32.5 %	1,755	58.8 %
PWID	1,978	16.9 %	749	25.0 %	536	18.0 %
MSM/PWID	403	3.5 %	165	5.5 %	174	5.8 %
Other	6	0.1 %	*	*	*	*
Heterosexual	4,526	38.7 %	961	32.1 %	458	15.3 %
Pediatric	180	1.5 %	50	1.7 %	17	0.6 %
No Reported Risk	340	2.9 %	93	3.1 %	42	1.4 %
<b>Total N</b>						
	11,692		2,992		2,985	
	NH BLACK		HISPANIC		NH WHITE	

**Note** \*Cell sizes <6 are suppressed.  
\*\* Age as of December 31, 2021  
Due to rounding, percentages may not add up to exactly 100%.

**Source** Philadelphia Department of Public Health, AIDS Activities Coordinating Office

# Persons Living with Diagnosed HIV

TABLE 11  
By Sex Assigned at Birth and Selected Characteristics | 2021

	ASSIGNED FEMALE AT BIRTH		ASSIGNED MALE AT BIRTH	
	N	%	N	%
<b>Total</b>	<b>5,099</b>	<b>100.0 %</b>	<b>13,252</b>	<b>100.0 %</b>
<b>Race/Ethnicity</b>				
NH Black	3,657	71.7%	8,035	60.6%
Hispanic	805	15.8%	2,187	16.5%
NH White	462	9.1%	2,523	19.0%
Multi-race	128	2.5%	308	2.3%
Asian	36	0.7%	160	1.2%
Other/Unknown	11	0.2%	39	0.3%
<b>Age Category**</b>				
<13	9	0.2%	*	*
13-19	22	0.4%	32	0.2%
20-24	69	1.3%	325	2.4%
25-29	182	3.6%	809	6.1%
30-39	724	14.2%	2,763	20.8%
40-49	1,018	20.0%	2,197	16.6%
50+	3,075	60.3%	7,123	53.8%
<b>Transmission Risk</b>				
MSM	0	0.0%	7,276	54.9%
PWID	1,222	24.0%	2,136	16.1%
MSM/PWID	0	0.0%	784	5.9%
Other	*	*	8	0.1%
Heterosexual	3,696	72.5%	2,483	18.7%
Pediatric	132	2.6%	120	0.9%
No Reported Risk	46	0.9%	445	3.4%
<b>Total N</b>				
	5,099		13,252	
	ASSIGNED FEMALE AT BIRTH		ASSIGNED MALE AT BIRTH	

**Note** \*Cell sizes <6 are suppressed.  
 \*\* Age as of December 31, 2021  
 Due to rounding, percentages may not add up to exactly 100%.  
**Source** Philadelphia Department of Public Health, AIDS Activities Coordinating Office

# Persons Living with Diagnosed HIV

TABLE 12  
By Gender Identity and Selected Characteristics | 2021

	GENDER IDENTITY							
	Cisgender Men		Cisgender Women		Transgender Women		Transgender Men	
	N	%	N	%	N	%	N	%
<b>Total</b>	<b>12,859</b>	<b>100.0 %</b>	<b>5,055</b>	<b>100.0 %</b>	<b>401</b>	<b>100.0 %</b>	<b>22</b>	<b>100.0 %</b>
<b>Race/Ethnicity</b>								
NH Black	7,752	60.3 %	3,629	71.8 %	289	72.1 %	15	68.2 %
Hispanic	2,125	16.5 %	798	15.8 %	63	15.7 %	*	*
NH White	2,496	19.4 %	455	9.0 %	29	7.2 %	*	*
Multi-race	294	2.3 %	126	2.5 %	13	3.2 %	*	*
Asian	156	1.2 %	36	0.7 %	*	*	0	0.0%
Other/Unknown	36	0.3 %	11	0.2 %	*	*	0	0.0%
<b>Age Category**</b>								
<13	*	*	9	0.2 %	0	0.0%	0	0.0%
13-19	32	0.2 %	22	0.4 %	0	0.0%	0	0.0%
20-24	306	2.4 %	66	1.3 %	17	4.2 %	*	*
25-29	759	5.9 %	177	3.5 %	49	12.2 %	*	*
30-39	2,601	20.2 %	710	14.1 %	158	39.4 %	13	59.1 %
40-49	2,125	16.5 %	1,011	20.0 %	75	18.7 %	*	*
50+	7,033	54.7 %	3,060	60.5 %	102	25.4 %	*	*
<b>Transmission Risk</b>								
Sexual Contact	9,440	73.4 %	3,663	72.5 %	324	80.8 %	17	77.3 %
PWID	2,850	22.2 %	1,214	24.0 %	72	18.0 %	*	*
Other	8	0.1 %	*	*	0	0.0%	0	0.0%
Pediatric	120	0.9 %	129	2.6 %	*	*	*	*
No Reported Risk	441	3.4 %	46	0.9 %	*	*	0	0.0%
<b>Total N</b>	<b>12,859</b>		<b>5,055</b>		<b>401</b>		<b>22</b>	
	<b>Cisgender Men</b>		<b>Cisgender Women</b>		<b>Transgender Women</b>		<b>Transgender Men</b>	

**Note** \*Cell sizes <6 are suppressed.  
\*\*Age as of December 31, 2021

Due to rounding, percentages may not add up to exactly 100%.

Gender identity is often not recorded in medical records. Sex assigned at birth was used to determine gender identity where no additional information was present. The prevalence among transgender women, transgender men, and those cases with additional gender identities is assumed to be higher. Individuals identifying as non-binary (n=14) were excluded from the table due to small cell sizes.

**Source** Philadelphia Department of Public Health, AIDS Activities Coordinating Office

# Persons Living with Diagnosed HIV

TABLE 13  
Prevalence by Sex and Race/Ethnicity | 2021

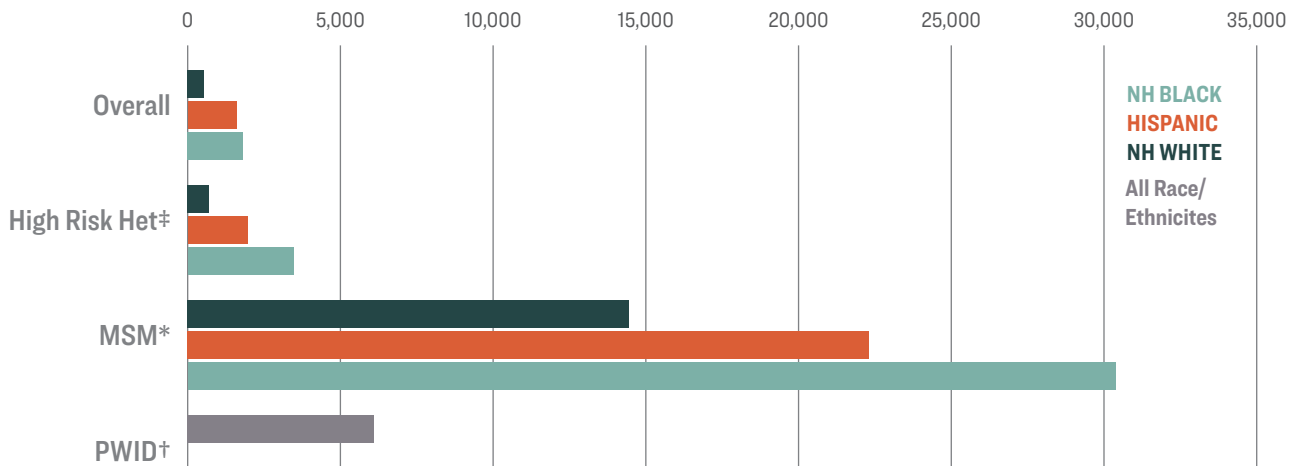
	POPULATION	PLWHA	RATE PER 100,000			
<b>Sex Assigned at Birth</b>						
Female	806,193	5,099	632.5			
Male	719,813	13,252	1,841.0			
<b>Race/Ethnicity</b>						
Hispanic	187,611	2,992	1,594.8			
NH Black	644,287	11,692	1,814.7			
NH White	562,585	2,985	530.6			
Asian	95,521	196	205.2			
AIAN	3,498	39	1,114.9			
NHPI	*	10	*			
Other Race	4,105	*	*			
Multi-racial	27,942	436	1,560.4			
<b>Sex Assigned at Birth and Race/Ethnicity</b>						
Hispanic Female	94,484	805	852.0			
NH Black Female	353,319	3,657	1,035.0			
NH White Female	290,025	462	159.3			
Asian Female	49,137	36	73.3			
AIAN Female	1,882	8	425.1			
NHPI Female	*	*	*			
Other race Female	2,014	0	0.0			
Multi-racial Female	15,095	128	848.0			
Hispanic Male	93,127	2,187	2,348.4			
NH Black Male	290,968	8,035	2,761.5			
NH White Male	272,560	2,523	925.7			
Asian Male	46,384	160	344.9			
AIAN Male	1,616	31	1,918.3			
NHPI Male	*	7	*			
Other race Male	*	*	*			
Multi-racial Male	12,847	308	2,397.4			
<b>Total</b>	<b>1,526,006</b>	<b>18,351</b>	<b>1,202.6</b>			

**Note** \*Cell sizes <6 are suppressed. Rates and case counts in categories with <500 population are also suppressed. Rates were calculated using the 2010 decennial census data.

**Source** Philadelphia Department of Public Health, AIDS Activities Coordinating Office

# Persons Living with Diagnosed HIV

FIGURE 12 Prevalence by Race/Ethnicity and Transmission Category | 2021



**Note** \*The population of individuals 18 and older living below poverty level is used as a proxy for heterosexuals at increased risk for HIV infection.

\*\*MSM total population based on estimated number of active MSM in the past 5 years.

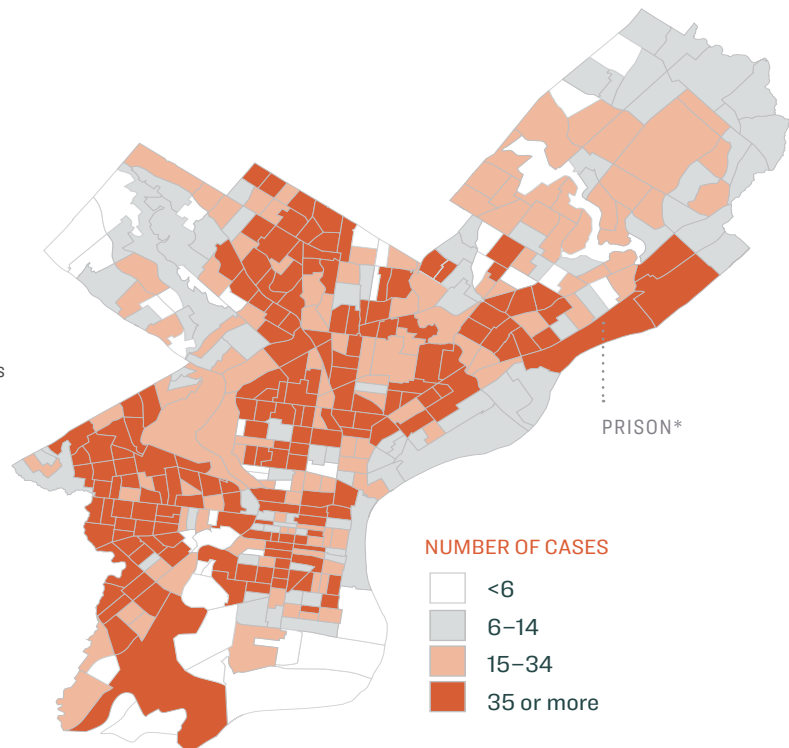
† The total number of Philadelphia residents who have ever injected drugs is estimated to be 55,000. Estimation methods based on Lansky A, Finlayson T, Johnson C, Holtzman D, Wejnert C, Mitsch A, et al. (2014) Estimating the Number of Persons Who Inject Drugs in the United States by Meta-Analysis to Calculate National Rates of HIV and Hepatitis C Virus Infections. PLoS ONE 9(5): e97596. For HIV prevalence, ever PWID is used instead of active PWID since many people who acquired HIV through injection drug use no longer inject drugs. This is roughly 4.5% of Philadelphia residents 18 and older. Since the demographic composition of PWID has shifted overtime, estimates of ever PWID by race/ethnicity are not reliable.

**Source** Philadelphia Department of Public Health, AIDS Activities Coordinating Office

MAP 2  
By Census Tract | 2021

**Note** \*The number of cases in this census tract is inflated due to the location of the prison system. Laboratory reports for incarcerated individuals frequently include the address of the prison facility as address at diagnosis rather than the inmate's home address. Interactive mapping data are available online at [www.AIDSVU.org](http://www.AIDSVU.org).

**Source** Philadelphia Department of Public Health, AIDS Activities Coordinating Office





# Persons Living with Diagnosed HIV

TABLE 14 By Hepatitis B or C Co-Infection and Selected Characteristics | 2020

	● Hepatitis B/HIV		● Hepatitis C/HIV		● HIV Total	
	N	Row%	N	Row%	N	Row%
<b>Total</b>	<b>1,944</b>	<b>10.6%</b>	<b>5,450</b>	<b>29.7%</b>	<b>18,351</b>	<b>100.0%</b>
<b>Sex Assigned at Birth</b>						
Female	430	8.4%	1,573	30.8%	5,099	100.0%
Male	1,514	11.4%	3,877	29.3%	13,252	100.0%
<b>Race/Ethnicity</b>						
NH Black	1,342	11.5%	3,018	25.8%	11,692	100.0%
Hispanic	210	7.0%	1,083	36.3%	2,985	100.0%
NH White	306	10.3%	1,130	37.9%	2,985	100.0%
Multi-race	60	13.8%	189	43.3%	436	100.0%
Asian	24	12.2%	26	13.3%	196	100.0%
Other/Unknown	*	*	*	*	50	100.0%
<b>Age Category**</b>						
<13	0	0.0%	6	50.0%	12	100.0%
13-19	*	*	*	*	54	100.0%
20-24	7	1.8%	11	2.8%	394	100.0%
25-29	15	1.5%	72	7.3%	991	100.0%
30-39	97	2.8%	415	11.9%	3,487	100.0%
40-49	305	9.5%	699	21.7%	3,215	100.0%
50+	1,519	14.9%	4,426	43.4%	10,198	100.0%
<b>Transmission Risk</b>						
MSM	677	9.3%	779	10.7%	7,276	100.0%
PWID	601	17.9%	2,898	86.3%	3,358	100.0%
MSM/PWID	111	14.2%	497	63.4%	784	100.0%
Heterosexual	493	8.0%	1,147	18.6%	6,179	100.0%
Pediatric	7	2.8%	12	4.8%	252	100.0%
Other	*	*	9	81.8%	11	100.0%
No Risk Reported	54	11.0%	108	22.0%	491	100.0%

**Note** \*Cell sizes <6 are suppressed

\*\*Age as of December 31, 2021

Data represents proportion of PLWDH with current HBV and/or HCV infection as of December 31st, 2021. Row, not column, percentages are presented here.

**Source** Philadelphia Department of Public Health, AIDS Activities Coordinating Office; Philadelphia Department of Public Health, Division of Disease Control, Viral Hepatitis Program.

# Perinatal Exposures

TABLE 15 **By Selected Demographics | 2017 – 2021**

Perinatal exposures represent instances where HIV transmission might have occurred from pregnant mother/parent to child during pregnancy, labor and delivery (L&D), or breast/chest feeding. Incidence of HIV infection among perinatally exposed children in Philadelphia has remained low in the past five years due to local perinatal prevention efforts. Case definitions for infant HIV status are based on recommended clinical and/or laboratory diagnostic algorithms. HIV negative definitive, HIV negative presumptive, and HIV indeterminate are detailed classifications of perinatal exposures, while confirmed HIV infection reflects a true pediatric parent-to-child transmission of HIV to an infant.

For more information on HIV case definitions, please visit: <https://www.cdc.gov/mmwr/preview/mmwrhtml/rr6303a1.htm>

This table shows both demographic and clinical characteristics for the mother/parent and child before, during, and after birth. Maternal/Parental viral load represents the most recent viral load before birth; prenatal care was defined as at least 1 medical visit during pregnancy; maternal/parental timing at diagnosis was categorized as early (any time before L&D), late (during or after L&D), and unknown.

	YEAR OF EXPOSURE									
	2017		2018		2019		2020		2021	
	N	%	N	%	N	%	N	%	N	%
<b>Total</b>	<b>88</b>	<b>100.0 %</b>	<b>92</b>	<b>100.0 %</b>	<b>67</b>	<b>100.0 %</b>	<b>81</b>	<b>100.0 %</b>	<b>74</b>	<b>100.0 %</b>
<b>Infant Sex Assigned at Birth</b>										
Female	45	51.1 %	52	56.5 %	30	44.8 %	45	55.6 %	36	48.6 %
Male	43	48.9 %	40	43.5 %	37	55.2 %	36	44.4 %	38	51.4 %
<b>Mother/Parent's Age at Delivery</b>										
13 - 19	*	*	*	*	*	*	*	*	0	0.0 %
20 - 24	13	14.8 %	12	13.0 %	7	10.4 %	6	7.4 %	*	*
25 - 34	51	58.0 %	55	59.8 %	38	56.7 %	46	56.8 %	45	60.8 %
35+	23	26.1 %	24	26.1 %	19	28.4 %	27	33.3 %	24	32.4 %
<b>Mother/Parent's Race/Ethnicity</b>										
NH Black	65	73.9 %	64	69.6 %	47	70.1 %	59	72.8 %	54	73.0 %
Hispanic	13	14.8 %	8	8.7 %	6	9.0 %	8	9.9 %	9	12.2 %
NH White	*	*	15	16.3 %	9	13.4 %	11	13.6 %	9	12.2 %
Multi-race	*	*	*	*	*	*	*	*	*	*
Asian	*	*	0	0.0 %	0	0.0 %	0	0.0 %	0	0.0 %
<b>Mother/Parent's Transmission Risk</b>										
PWID	12	13.6 %	12	13.0 %	7	10.4 %	7	8.6 %	9	12.2 %
Heterosexual	65	73.9 %	69	75.0 %	51	76.1 %	64	79.0 %	60	81.1 %
Pediatric	10	11.4 %	9	9.8 %	7	10.4 %	7	8.6 %	*	*
NRR/Unknown	*	*	*	*	*	*	*	*	*	*

**Note** \*Cell sizes <6 are suppressed.  
Due to rounding, percentages may not add up to exactly 100%.

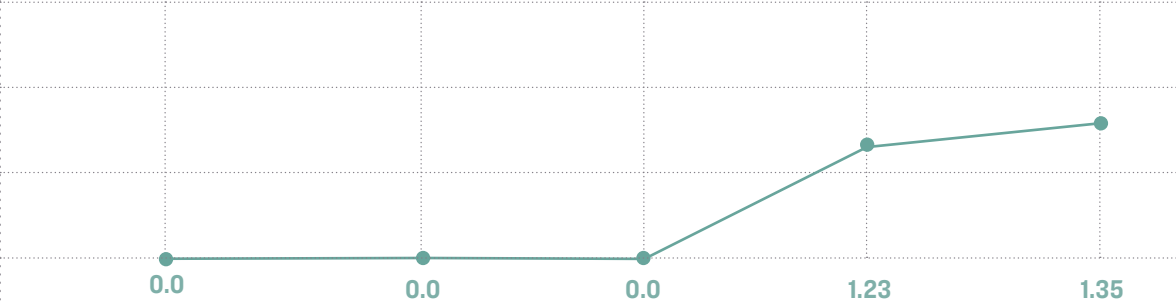
**Source** Philadelphia Department of Public Health, AIDS Activities Coordinating Office

# Perinatal Exposures

TABLE 16 **By Selected Clinical Characteristics | 2017 – 2021**

	YEAR OF EXPOSURE									
	2017		2018		2019		2020		2021	
	N	%	N	%	N	%	N	%	N	%
<b>Total</b>	<b>88</b>	<b>100.0 %</b>	<b>92</b>	<b>100.0 %</b>	<b>67</b>	<b>100.0 %</b>	<b>81</b>	<b>100.0 %</b>	<b>74</b>	<b>100.0 %</b>
HIV positive, definitive	0	0.0%	0	0.0%	0	0.0%	1	1.2 %	1	1.4 %
HIV indeterminate	1	1.1%	3	3.3 %	2	3.0 %	16	19.8 %	16	21.6 %
HIV negative, definitive	65	73.9 %	55	59.8 %	41	61.2 %	33	40.7 %	23	31.1 %
HIV negative, presumptive	22	25.0 %	34	37.0 %	24	35.8 %	31	38.3 %	34	46.0 %
<b>Maternal/Parental Viral Load</b>										
>=1000	7	8.0 %	8	8.7 %	6	9.0 %	9	11.1%	11	14.9 %
<1000	78	88.6 %	80	87.0 %	56	83.6 %	65	80.3 %	57	77.0 %
Unknown	3	3.4 %	4	4.4 %	5	7.5 %	7	8.6 %	6	8.1 %
<b>Maternal/Parental Prenatal Care</b>										
No	12	13.6 %	13	14.1 %	5	7.5 %	4	4.9 %	3	4.1 %
Yes	76	86.4 %	79	85.9 %	62	92.5 %	77	95.1 %	71	95.9 %
<b>ARV Medications During Pregnancy</b>										
No	1	1.1 %	4	4.4 %	3	4.5 %	6	7.4 %	6	8.1 %
Unknown	6	6.8 %	7	7.6 %	0	0.0%	1	1.2 %	1	1.4 %
Yes	81	92.0 %	81	88.0 %	64	95.5 %	74	91.4 %	67	90.5 %
<b>Neonatal ARV</b>										
Unknown	2	2.3 %	2	2.2 %	2	3.0 %	5	6.2 %	2	2.7 %
Yes	86	97.7 %	90	97.8 %	65	97.0 %	76	93.8 %	72	97.3 %

**Rate of HIV per 100 Exposed Births**



**Note** Due to rounding, percentages may not add up to exactly 100%.  
**Source** Philadelphia Department of Public Health, AIDS Activities Coordinating Office

# HIV-Related Deaths

TABLE 17

## HIV-Related Death by Year and Select Characteristics, Philadelphia | 2018 – 2020

It is important to monitor the proportion of deaths among PLWDH for which HIV is noted as an underlying cause of death. Delays in death ascertainment activities may contribute to a higher proportion of cases with unknown cause of death in more recent years.

	2018 (n=344)						2019 (n=363)						2020 (n=441)						
	No		Unknown		Yes		No		Unknown		Yes		No		Unknown		Yes		
	N	Col%	N	Col%	N	Col%	N	Col%	N	Col%	N	Col%	N	Col%	N	Col%	N	Col%	
Total	280	100.0%	7	100.0%	57	100.0%	309	100.0%	*	100.0%	50	100.0%	359	100.0%	*	100.0%	47	100.0%	
<b>Sex Assigned at Birth</b>																			
Female	64	22.9%	*	*	15	26.3%	78	25.2%	0	0.0%	16	32.0%	91	25.3%	*	*	24	51.1%	
Male	216	77.1%	*	*	42	73.7%	231	74.8%	*	*	34	68.0%	268	74.7%	*	*	23	48.9%	
<b>Race/Ethnicity</b>																			
NH Black	166	59.3%	*	*	36	63.2%	189	61.2%	*	*	32	64.0%	224	62.4%	*	*	35	74.5%	
Hispanic	34	12.1%	*	*	9	15.8%	38	12.3%	0	0.0%	6	12.0%	54	15.0%	*	*	7	14.9%	
NH White	69	24.6%	0	0.0%	10	17.5%	66	21.4%	*	*	9	18.0%	66	18.4%	*	*	*	*	
Multi-race	10	3.6%	0	0.0%	*	*	12	3.9%	0	0.0%	*	*	14	3.9%	0	0.0%	*	*	
Other/Unk	*	*	0	0.0%	0	0.0%	*	*	0	0.0%	*	*	0	0.0%	0	0.0%	0	0.0%	
Asian	0	0.0%	0	0.0%	0	0.0%	*	*	0	0.0%	0	0.0%	*	*	0	0.0%	0	0.0%	
<b>Age at HIV Dx</b>																			
0 - 12	*	*	0	0.0%	0	0.0%	0	0.0%	0	0.0%	*	*	*	*	*	*	*	*	
13 - 19	*	*	0	0.0%	*	*	*	*	0	0.0%	*	*	8	2.2%	0	0.0%	*	*	
20 - 24	21	7.5%	*	*	*	*	24	7.8%	0	0.0%	*	*	32	8.9%	*	*	*	*	
25 - 29	27	9.6%	*	*	10	17.5%	41	13.3%	0	0.0%	*	*	43	12.0%	0	0.0%	8	17.0%	
30 - 39	95	33.9%	*	*	17	29.8%	106	34.3%	*	*	14	28.0%	116	32.3%	*	*	16	34.0%	
40 - 49	64	22.9%	*	*	18	31.6%	71	23.0%	*	*	13	26.0%	101	28.1%	*	*	12	25.5%	
50+	68	24.3%	*	*	7	12.3%	62	20.1%	0	0.0%	12	24.0%	58	16.2%	0	0.0%	7	14.9%	
<b>Transmission Risk</b>																			
MSM	55	19.6%	*	*	22	38.6%	82	26.5%	0	0.0%	12	24.0%	102	28.4%	*	*	7	14.9%	
PWID	104	37.1%	*	*	13	22.8%	121	39.2%	*	*	16	32.0%	126	35.1%	*	*	13	27.7%	
MSM/PWID	21	7.5%	0	0.0%	*	*	11	3.6%	0	0.0%	*	*	23	6.4%	0	0.0%	*	*	
Heterosexual	87	31.1%	*	*	19	33.3%	91	29.4%	*	*	18	36.0%	103	28.7%	0	0.0%	23	48.9%	
Pediatric	*	*	0	0.0%	0	0.0%	0	0.0%	0	0.0%	*	*	*	*	*	*	*	*	
Other	*	*	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	
No Reported Risk	10	3.6%	0	0.0%	*	*	*	*	0	0.0%	*	*	*	*	0	0.0%	*	*	

**Note** \*Cell sizes <6 are suppressed.  
2021 data not shown due to delays in reporting cause of death  
Due to rounding, percentages may not add up to exactly 100%.

**Source** Philadelphia Department of Public Health, AIDS Activities Coordinating Office

# Reporting Information

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## Who Must Report?

All HIV Testing Providers, Health Care Providers & Laboratories

## What Test Results Must Be Reported?

- **All results**, including: Positive, Negative & Indeterminate will be reported to the PDPH including if the patient is determined to have either:
  - a confirmed HIV infection
  - a probable or possible HIV infection (including cases where additional testing is needed to confirm the diagnosis)
- **Preliminary Positive Results** — including instances where no supplemental/confirmatory testing was performed or when supplemental/confirmatory testing was negative
- **Negative and indeterminate Results** — including test results for HIV infection within 180 days of (before, after, or on the same date as) the HIV diagnosis. The negative/indeterminate test results are needed to recognize infections as early or acute when transmission to others is more likely and intervention is more urgent.
- **Results of all CD4 counts and HIV viral loads** including undetectable results
- **HIV genotype sequence data** (FASTA or FASTQ format)

## What Cases Need to be Reported?

- All individuals who are Philadelphia residents AND
- All individuals who are tested in Philadelphia or receive care at a Philadelphia based facility or provider.
- Pregnancy in an HIV-infected person
- New HIV-positive result in a pregnant person
- Birth of an infant to an HIV-infected person

## When Do I Need to Report?

The following tests results or events need to be reported by telephone to the PDPH within 1 business day of the result or the confirmation of the event:

1. **Confirmed or suspected acute HIV infection**  
(Call 215-685-4781 to report a case)
2. **Pregnancy in an HIV-infected pregnant person**  
(Call 215-685-4786 to report a case)
3. **New HIV-positive result in a pregnant person**  
(Call 215-685-4786 to report a case)
4. **Birth of an infant to an HIV-infected person**  
(Call 215-685-4786 to report a case)

All other test results and HIV case reports must be reported to the PDPH within 5 business days of the receipt.

## How Do I Submit a Report?

Mail the completed HIV Case Report Forms to the Philadelphia Department of Public Health.

To mail forms, please use these steps:

1. Place the forms in a sealed envelope that states:  
*Confidential, to be opened by addressee only*
2. Place the first envelope into another sealed envelope and address to:

Philadelphia Department of Public Health  
Attention: Melissa Miller  
P.O. Box 58909  
Philadelphia, PA 19102-8909

For reporting questions, please call Melissa Miller (215-685-4781).

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## TO OUR READERS:

The AACO Surveillance Unit of the Philadelphia Department of Public Health, which conducts HIV surveillance for the City of Philadelphia, produces this report. The data in this report reflects cases diagnosed through December 2021 and reported through June 2022.

HIV surveillance is the ongoing and systematic collection, analysis, and dissemination of population-based information on HIV. There are two basic types of surveillance; active and passive. Passive surveillance is submission of HIV case reports from physicians, laboratories, and other individuals or institutions without having to regularly contact the reporting sources. Active surveillance employs strategies intended to identify unreported cases, and depends on secondary information sources for leads e.g., hospitals, clinics, physician offices, laboratories. Review of medical charts at provider sites or via telephone with facility staff are completed to establish cases of HIV infection and to obtain information critical to completing HIV case reports.

The HIV case count in Philadelphia results from a combination of active and passive surveillance. Physicians began reporting AIDS cases to the Department of Health in 1983. Name-based HIV reporting began in October, 2005.

New HIV reporting regulations were approved by the City of Philadelphia's Board of Health in November 2016 and went into effect in January of 2017.

Any questions about this report and/or requests for data can be directed to: Melissa Miller, MPH [AACOEPI@PHILA.GOV](mailto:AACOEPI@PHILA.GOV)

Please allow at least 10 business days for all data requests.