



Department of  
**Public Health**

CITY OF PHILADELPHIA

# **Philadelphia Department of Public Health**

Division of HIV Health Overview

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Director & Medical Director

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# AGENDA

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- Overview
- Diagnose
- Treat
- Prevent
- Respond
- Q & A

Ending  
the  
HIV  
Epidemic

## HHS Has Launched A New Initiative to End the HIV Epidemic in America

### GOAL:

**75%**  
reduction  
in new HIV  
infections  
in 5 years  
and at least  
**90%**  
reduction  
in 10 years.



**Diagnose** all people with HIV as early as possible after infection.

**Treat** the infection rapidly and effectively to achieve sustained viral suppression.



**Prevent** people at risk for HIV using potent and proven prevention interventions, including PrEP, a medication that can prevent HIV infections.

**Respond** rapidly to detect and respond to growing HIV clusters and prevent new HIV infections.



**HIV Workforce** will establish local teams committed to the success of the Initiative in each jurisdiction.



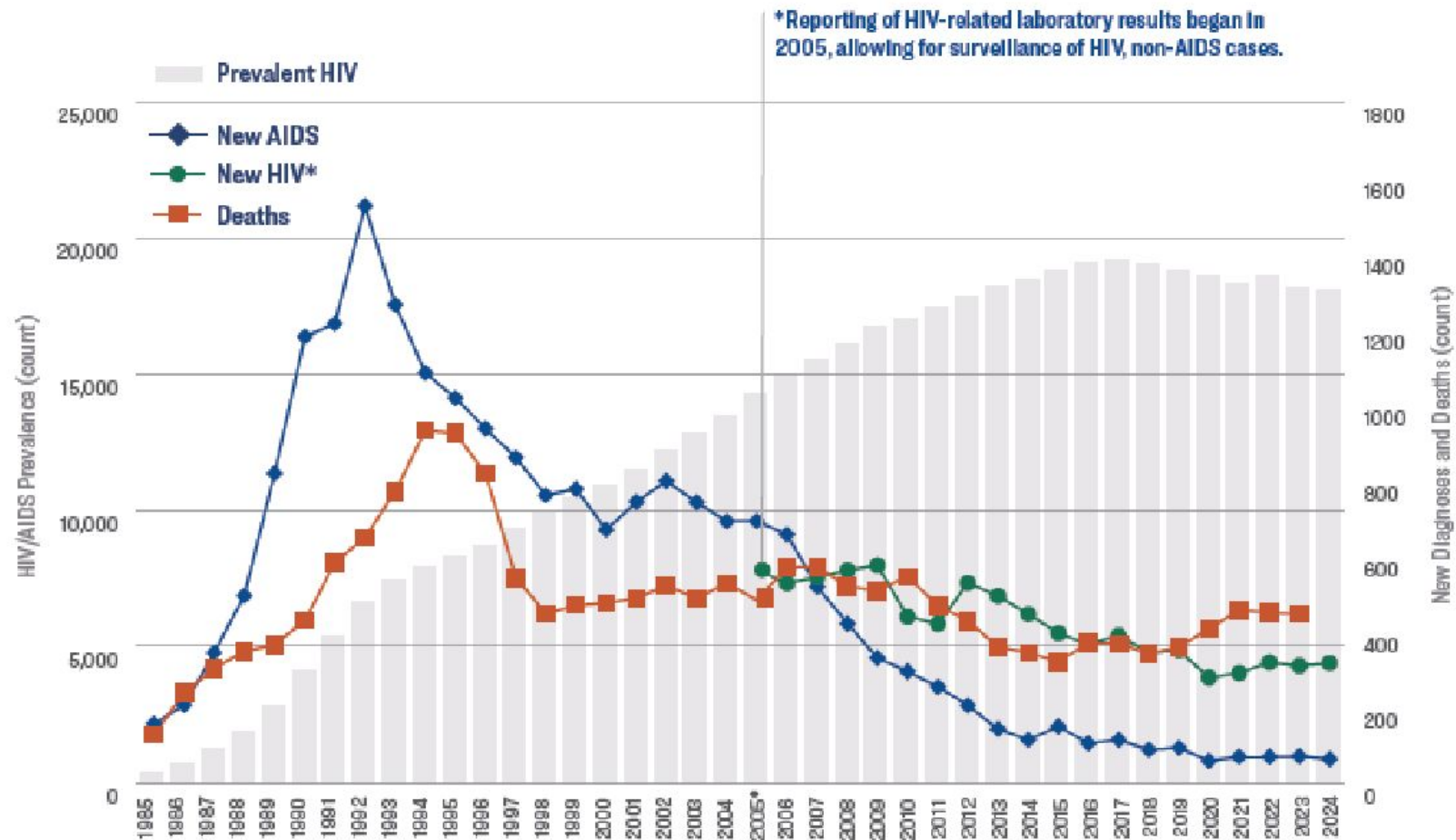
# Overview

# OVERVIEW

- Epidemiologic data will be presented from the Philadelphia Department of Public Health, the PA Department of Health, and the NJ Department of Health
- Where no EMA-wide data is available, Philadelphia data is included.
- AIDSVu data on PrEP Uptake
- This is a very data-heavy presentation. Summaries are provided to give the big picture.

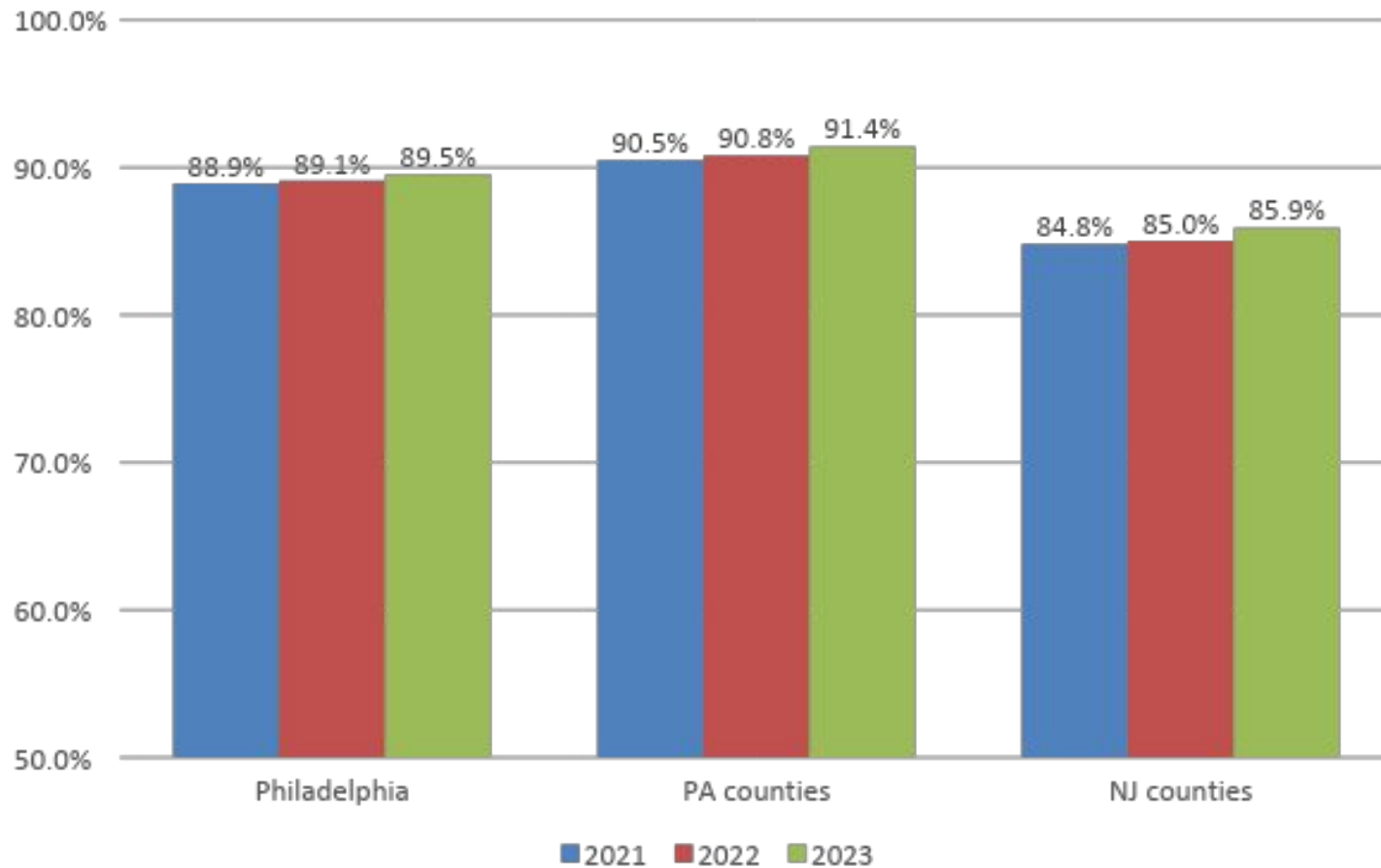
Figure  
13

## HIV and AIDS Diagnoses, Deaths, and Prevalence by Year | 1985–2024



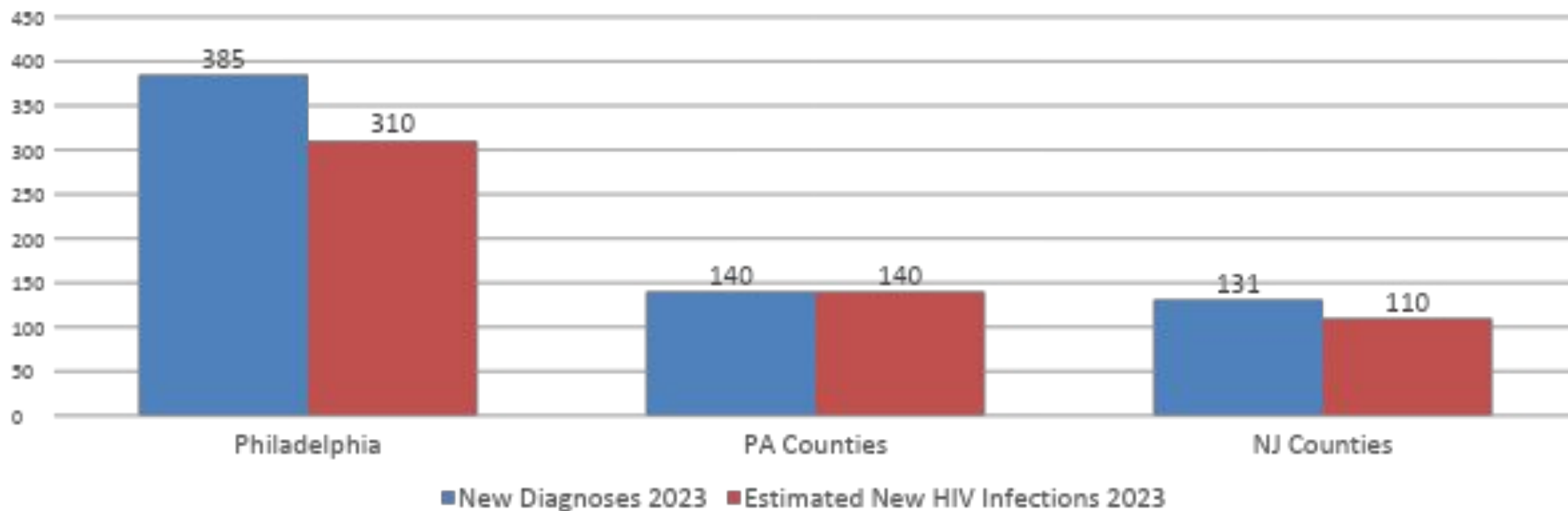
DIAGNOSE

Estimated % of PWH Who Have Been Diagnosed



DIAGNOSE: GOAL  
TO DIAGNOSE  
98% OF ALL PWH  
BY 2030

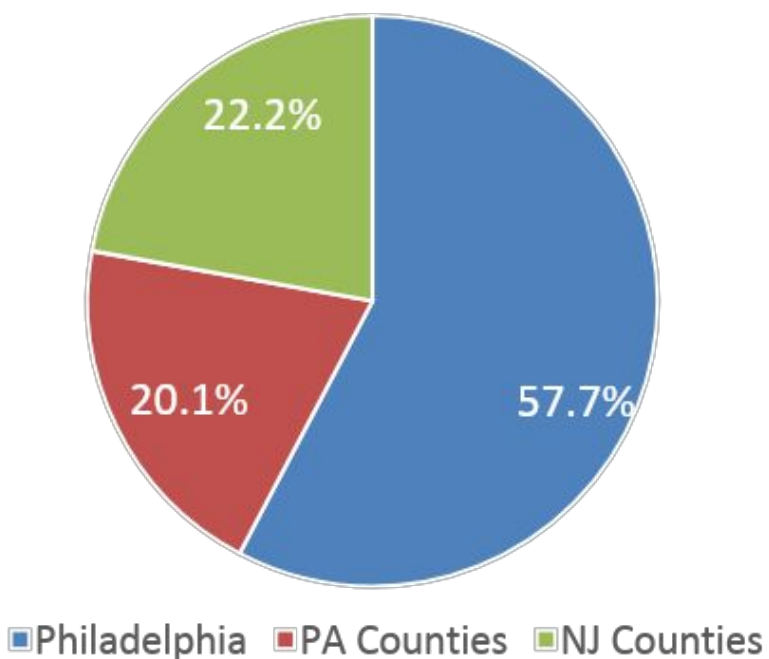
## HIV DIAGNOSES VERSUS ESTIMATED HIV INFECTIONS, 2023



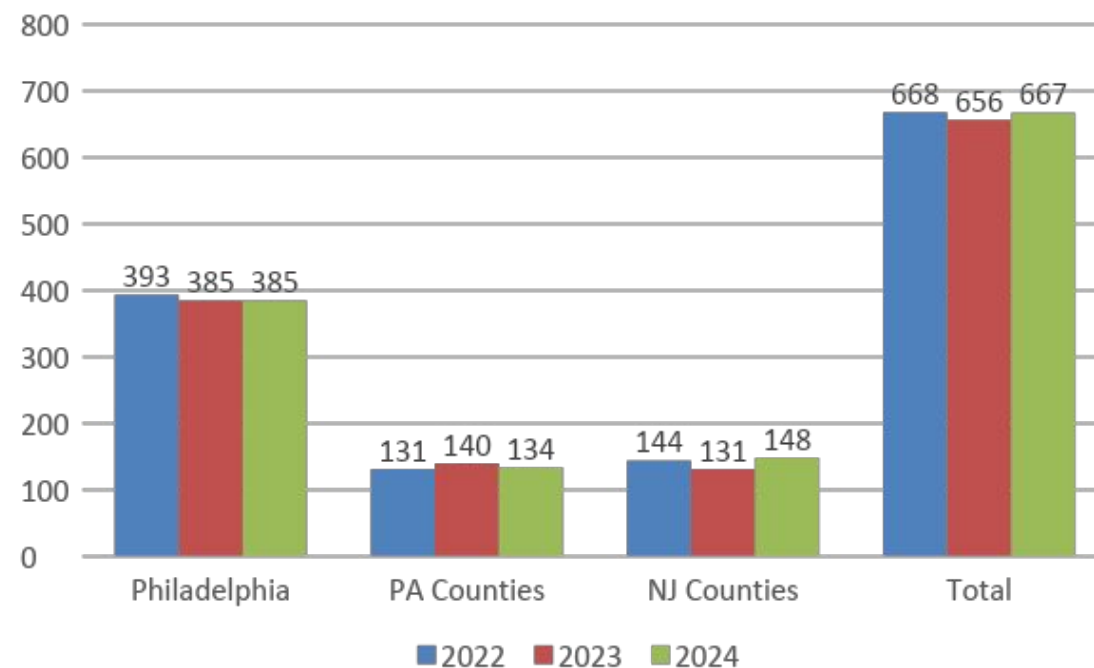
\*The estimated number of new HIV infections is stable across the EMA except in the NJ counties, where it decreased from 130 to 110 from 2022 to 2023.

# NEWLY DIAGNOSED HIV IN THE EMA

2024 New HIV Diagnoses



New Diagnosed by Year and Place



\*68.8% of the estimated new HIV infections in 2023 were in Philadelphia

# DEMOGRAPHICS OF NEWLY DIAGNOSED HIV IN THE EMA AND PHILADELPHIA, 2024

## EMA

- 20.2% White, **54.7% Black**, **19.9% Hispanic**, 2.5% Asian
- **77.7% Male**, 19.6% Female, **2.4% Transgender** (current gender)
- **70.0% 13 to 39 years of age**
- **54.0% MSM**, 6.7% PWID, 1.8% MSM/PWID, 20.5% HET, **16.6% NIR**

## Philadelphia

- 14.3% White, **62.6% Black**, **18.4% Hispanic**, 3.4% Asian
- **77.7% Male**, 18.4% Female, **3.4% Transgender** (current gender)
- **76.4% 13 to 39 years of age**
- **64.7% MSM**, 6.5% PWID, 1.6% MSM/PWID, 16.9% HET, 10.1% NIR

# DEMOGRAPHICS OF NEWLY DIAGNOSED HIV IN THE SUBURBAN COUNTIES, 2024

## PA Counties

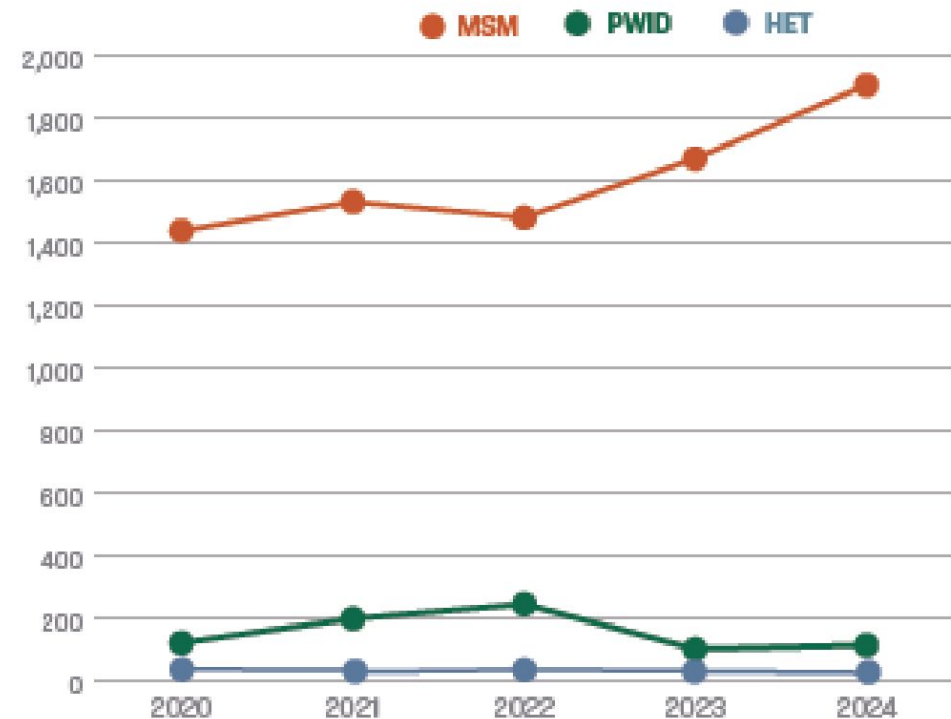
- 20.9% White, **54.5% Black**, 17.2% Hispanic
- **79.9% Male**, 20.2% Female (sex assigned at birth)
- 64.3% 13 to 39 years of age
- **45.5% MSM, 27.6% HET, 21.6% NIR**

## NJ Counties

- **35.1% White, 34.5% Black, 26.4% Hispanic**
- 77.7% Male, **23.3% Female** (sex assigned at birth)
- 56.1% 13 to 39 years of age
- 33.8% MSM, 10.1% PWID, **23.6% HET, 29.9% NIR**

# NEWLY DIAGNOSED HIV – PHILADELPHIA 2024

- Highest rates of new diagnoses:
  - MSM (1,909.8 per 100,000), followed by PWID (113.8), and at-risk heterosexuals (24.9)
  - NH Black (40.0 per 100,000) and Hispanic/Latinx (30.2) people compared to NH White (10.0) people

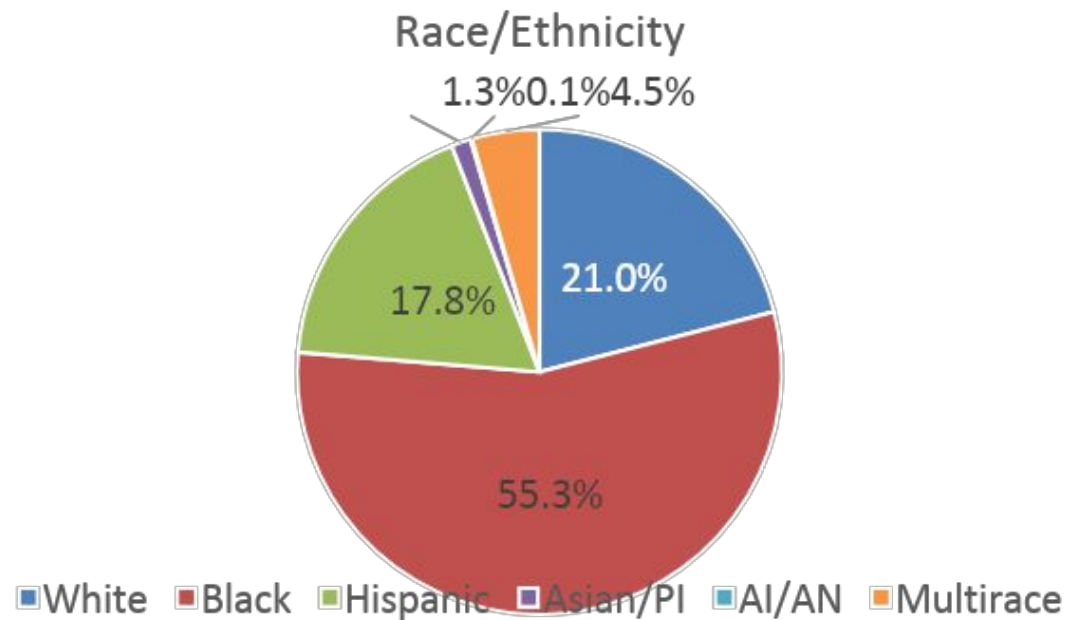


## SUMMARY OF DIAGNOSIS DATA

- The number of people who are aware that they have HIV is increasing across the EMA, but slowly. Awareness of HIV status is highest in the PA counties and lowest in the NJ counties.
- The number of people newly diagnosed with HIV is stable across the EMA between 2022 and 2024.
- Nearly 60% of the new diagnoses in the EMA in 2024 were in Philadelphia, compared to nearly 70% of the new infections in 2023.
- Demographics of those being diagnosed with HIV vary significantly across the EMA.
- New diagnoses are concentrated in Black and Hispanic people, Cis-gender men, people <40 years of age, and MSM.
- Highest rates of new diagnoses occur in Philadelphia

TREAT

# WHO IS LIVING WITH HIV IN THE EMA?

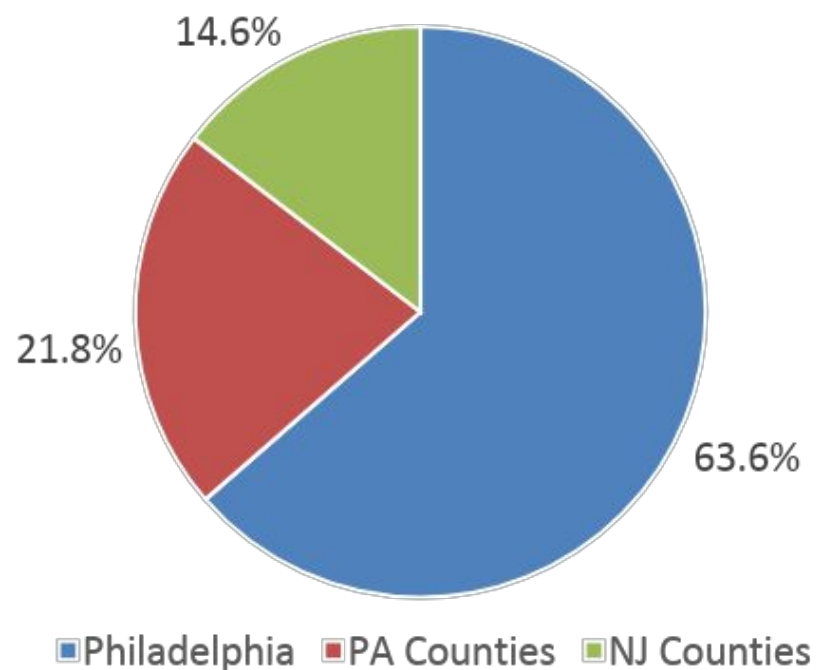


- Gender
  - 70.7% Male, 27.5% Female, 1.8% Transgender, 0.1% NB
- Current Age
  - 6.6% <30, 18.4% 30-39, 17.8% 40-49, 37.8% 50-64, 19.4% ≥65
- Transmission Risk
  - 40.7% MSM, 15.2% PWID, 4.0% MSM/PWID, 31.8% HET, 6.9% NRR, 1.4% Pediatric

\*28,412 people with diagnosed HIV in the EMA

# WHO IS LIVING WITH HIV IN THE EMA?

People with Diagnosed HIV in the EMA

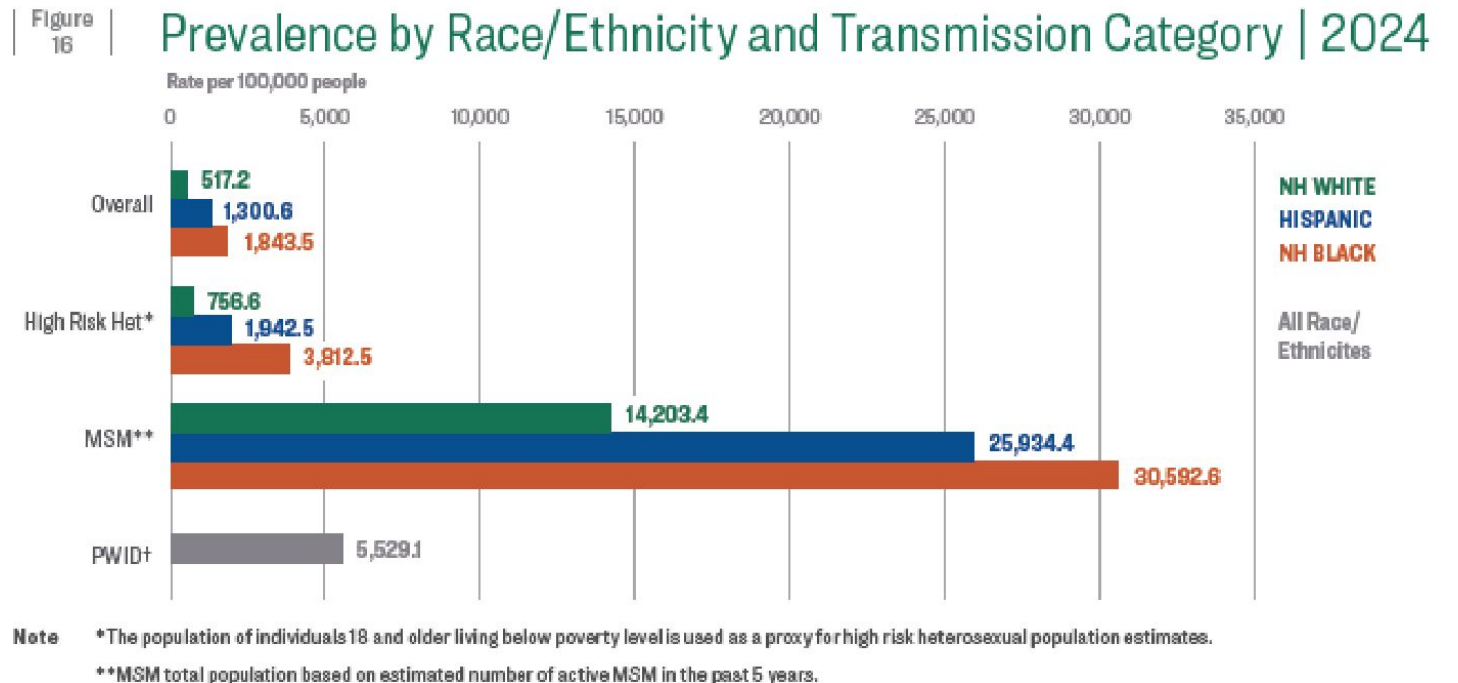


## ■ Differences across the EMA

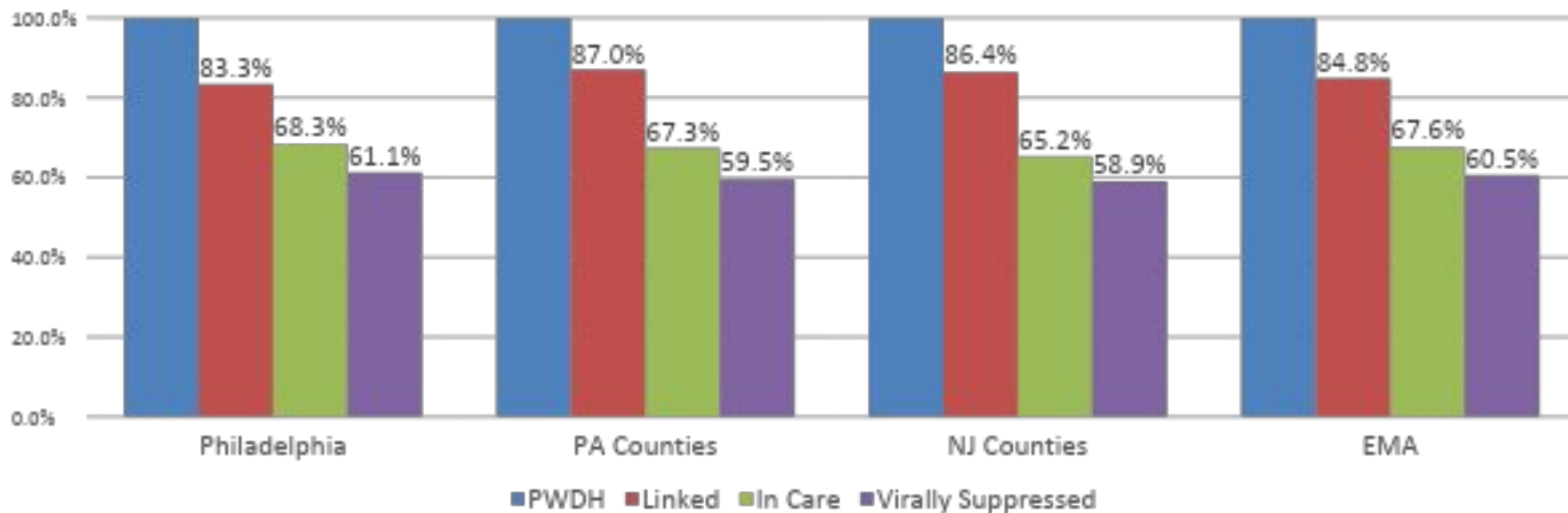
- 62.6% of PWH in Philadelphia are Black, compared to 42.6% in the PA counties, and 42.6% in the NJ counties
- 25.7% of PWH in the NJ counties are Hispanic, compared to 17.2% in Philadelphia, and 14.7% in the PA counties
- 45.9% of PWH in the NJ counties are 50 or older, compared to 57.0% in Philadelphia and 58.0% in the PA counties

# HIV PREVALENCE RATES

- Overall HIV prevalence rate of 1,126.3 per 100,000
- Highest rates among NH Black (1,843.5) and Hispanic/Latinx (1,300.6) people, compared to NH White (517.2) people
- Racial/ethnic minorities have the highest rates of HIV across transmission categories
  - Highest rates among NH Black (30,592.6) and Hispanic/Latinx (25,934.4) MSM.



# 2024 HIV CARE CONTINUUM



# HIV CARE CONTINUUM IN PRIORITY POPULATIONS, 2024

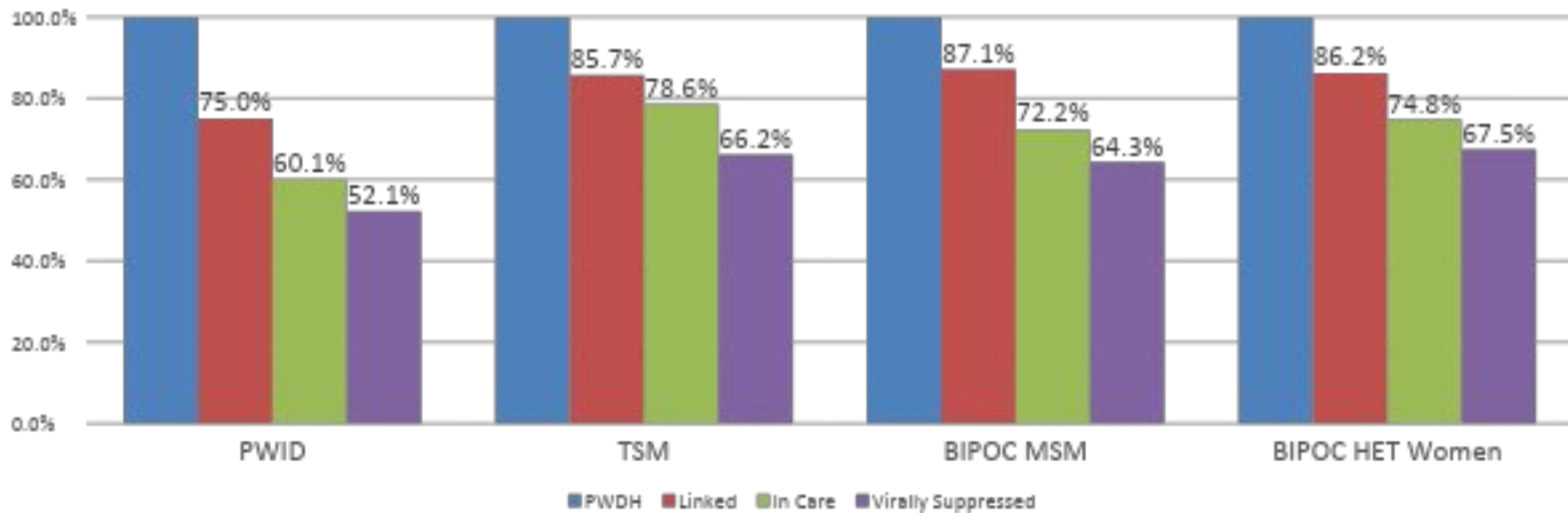


Figure  
1B

## Philadelphia HIV Care Continuum (RECENT CARE) | 2024

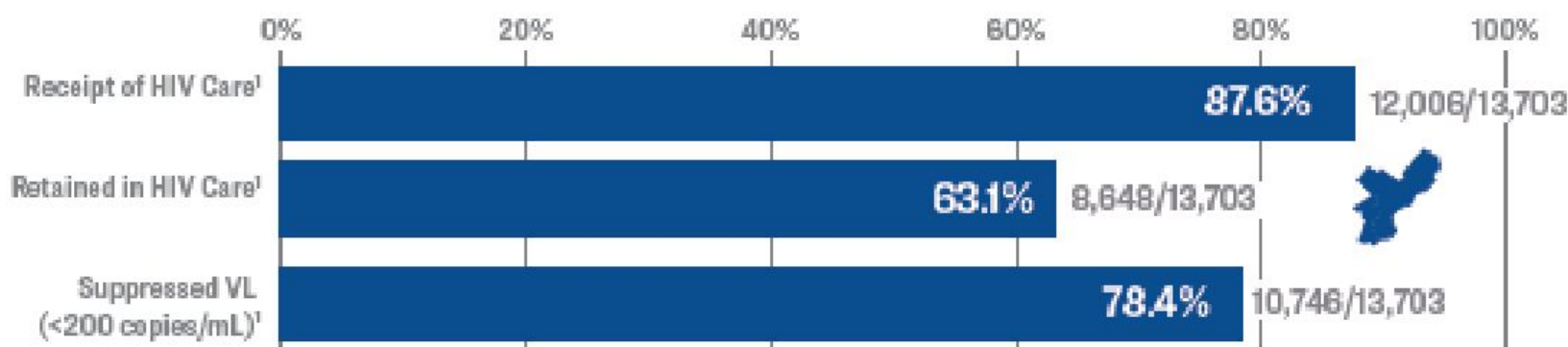


Figure 1B

### Note

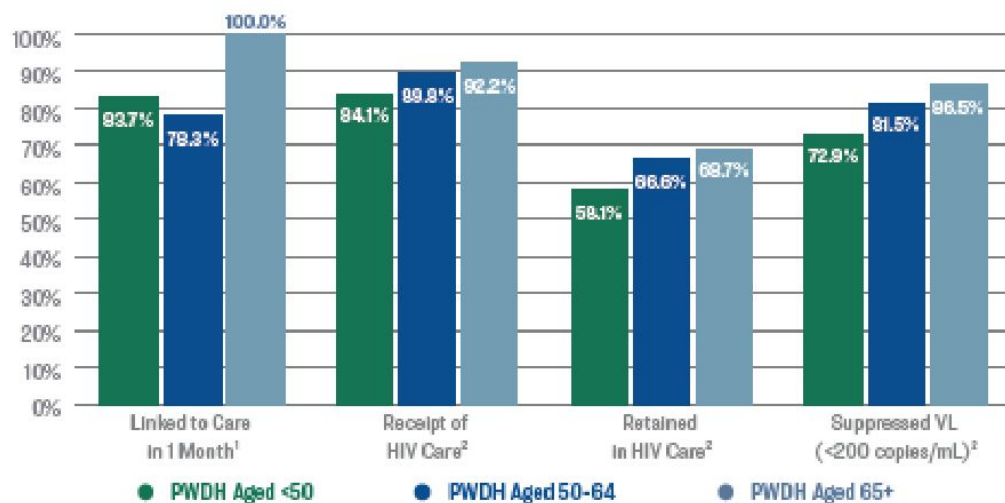
<sup>1</sup> Care Continuum Outcomes are limited to PWH aged 13+ diagnosed by Dec 31, 2023 and alive at year end 2024 who had at least one reported CD4, Viral Load, or Genotype test during the last 5 years (Jan 1, 2020 - Dec 31, 2024).

### Source

Philadelphia Department of Public Health, Division of HIV Health

# CARE CONTINUUM OUTCOMES BY AGE CATEGORY

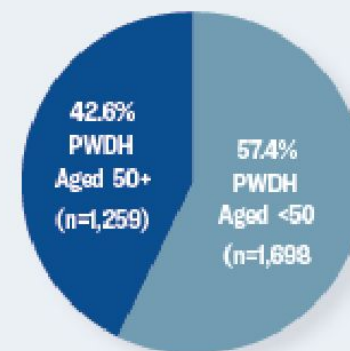
Figure 9 | Care Continuum Outcomes by Age Category | 2024



<sup>1</sup>Among PWH diagnosed Jan 1, 2024 - Dec 31, 2024

<sup>2</sup>Outcomes are limited to PWH aged 13+ diagnosed by Dec 31, 2023 and alive at year end 2024 who had at least one reported CD4, genotype, or viral load test during the last 5 years (Jan 1, 2020 - Dec 31, 2024)

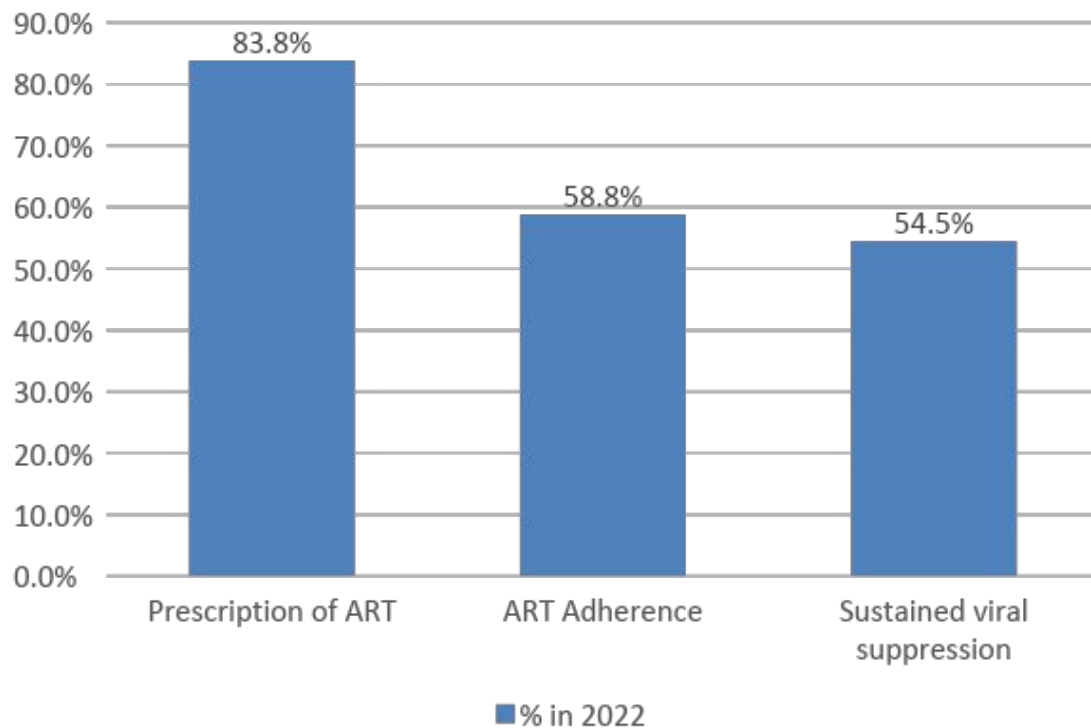
Among all PWDH not virally suppressed by year-end 2024, 42.6% were among people aged 50+.



# PHILADELPHIA MMP DATA, 2018-2022

- Symptoms of depression – 17.5% of PWH
- Symptoms of severe depression – 15.1%
- Symptoms of generalized anxiety disorder – 19.3%
- Binge drinking in the past 30 days – 18.5%
- Use of any non-injection drugs in the last 12 months – 43.3%
  - 37.3% marijuana
  - 7.9% poppers, 7.9% cocaine, 7.4% crack, 3.5% meth, 3.2% prescription opioids, 2.9% club drugs, 2.2% heroin (smoked or snorted), 2.1% tranquilizers
- Use of injection drugs in the last 12 months – 2.9%

# MMP HIV CONTINUUM, PHILADELPHIA 2018-2024



| Service        | Received the Service | Needed but didn't get it |
|----------------|----------------------|--------------------------|
| MCM            | 53.6%                | 9.6%                     |
| ADAP           | 39.5%                | 2.5%                     |
| Navigation     | 35.8%                | 39.0%                    |
| Dental         | 54.6%                | 23.6%                    |
| Mental Health  | 29.9%                | 11.0%                    |
| SUD Rx         | 8.2%                 | 2.7%                     |
| Transportation | 27.4%                | 9.9%                     |
| Meals/Food     | 22.1%                | 9.7%                     |
| Housing        | 14.7%                | 13.6%                    |

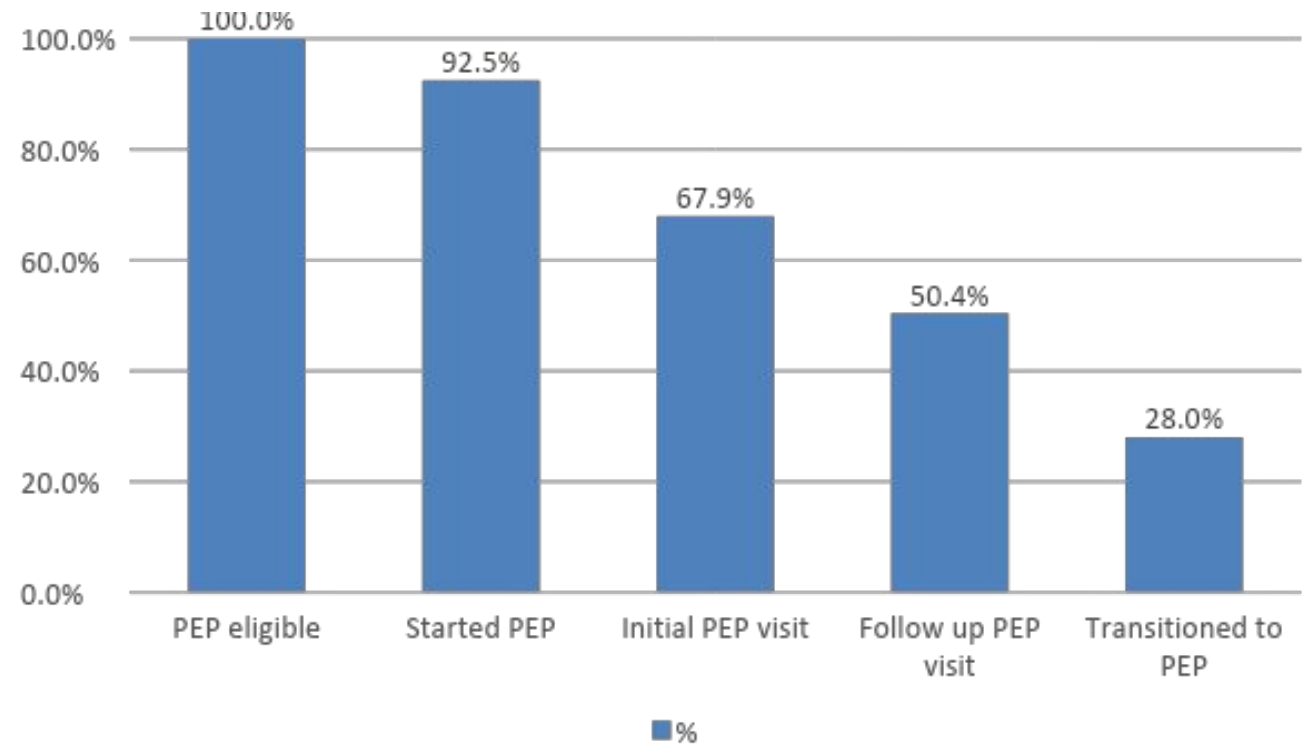
# TREAT SUMMARY

- HIV care outcomes for linkage, receipt of care, and viral suppression are low. However, data likely impacted by “legacy” data quality issues, unreported deaths, people who have moved out state or out of the country.
- Modified continuum is a more realistic view of what is going on in Philadelphia. Nearly 80% of PWH are virally suppressed, but this is far below the 2025 target of 95% viral suppression. Updating this data for the rest of the EMA.
- There are significant barriers along the HIV continuum.
- There is ongoing unmet need for services, specifically navigation, dental services, housing, mental health, transportation, food bank/home delivered meals, and MCM services.

PREVENT

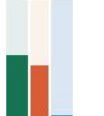
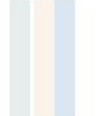
# PEP IN PHILADELPHIA

- Between April 2022 and December 2025, 589 people who called the Philadelphia PEP hotline were eligible for PEP.



# PREP NEED

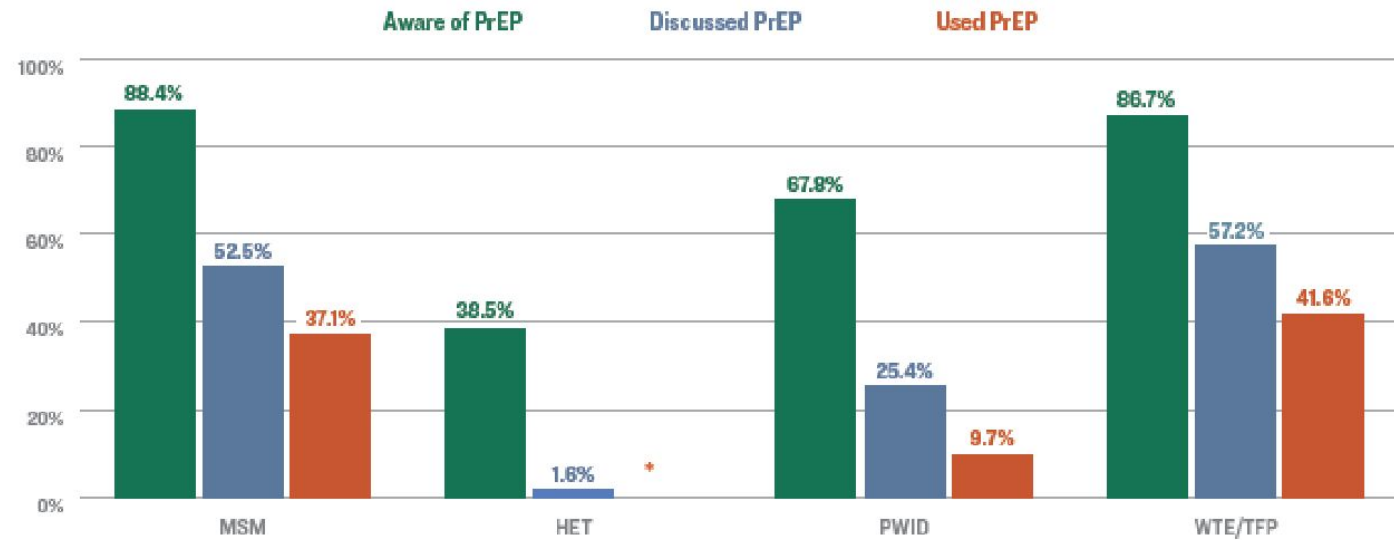
Table 3 | Estimates of Adults with Indications for HIV PrEP by Race/Ethnicity and Transmission Category, Philadelphia 2024\*

|          | Negative At Risk                                                                    |                                                                                     |                                                                                      | PrEP Indication                                                                       |                                                                                       |                                                                                       | % Negative At Risk Population with a PrEP Indication                                  |                                                                                       |                                                                                       |
|----------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|          | MSM                                                                                 | PWID                                                                                | Heterosexual                                                                         | MSM                                                                                   | PWID                                                                                  | Heterosexual                                                                          | MSM                                                                                   | PWID                                                                                  | Heterosexual                                                                          |
| NH Black | 5,673                                                                               | 8,041                                                                               | 108,967                                                                              | 3,140                                                                                 | 100                                                                                   | 960                                                                                   | 55.3%                                                                                 | 1.2%                                                                                  | 0.9%                                                                                  |
| Hispanic | 2,186                                                                               | 3,778                                                                               | 48,282                                                                               | 960                                                                                   | 100                                                                                   | 20                                                                                    | 43.9%                                                                                 | 2.6%                                                                                  | 0.0%                                                                                  |
| NH White | 6,615                                                                               | 10,642                                                                              | 54,172                                                                               | 720                                                                                   | 250                                                                                   | 100                                                                                   | 10.9%                                                                                 | 2.3%                                                                                  | 0.2%                                                                                  |
|          |  |  |  |  |  |  |  |  |  |
| TOTAL**  | 15,263                                                                              | 23,461                                                                              | 218,281                                                                              | 5,080                                                                                 | 510                                                                                   | 1,330                                                                                 | 33.3%                                                                                 | 2.2%                                                                                  | 0.6%                                                                                  |

# PREP UPTAKE

- Philadelphia – **6,528 people on PrEP (496 people on PrEP/100,000)**
- Bucks – 806 people on PrEP (144 people on PrEP/100,000)
- Chester – 620 (133 people on PrEP/100,000)
- Delaware – 827 people on PrEP (170 people on PrEP/100,000)
- Montgomery – 1,218 people on PrEP (164 people on PrEP/100,000)
- Burlington – 561 people on PrEP (139 people on PrEP/100,000)
- Camden – 760 people on PrEP (172 people on PrEP/100,000)
- Gloucester – people on PrEP 342 (130 people on PrEP/100,000)
- Salem – 75 people on PrEP (136 people on PrEP/100,000)

Figure 7 | Continuum of PrEP Awareness and Usage



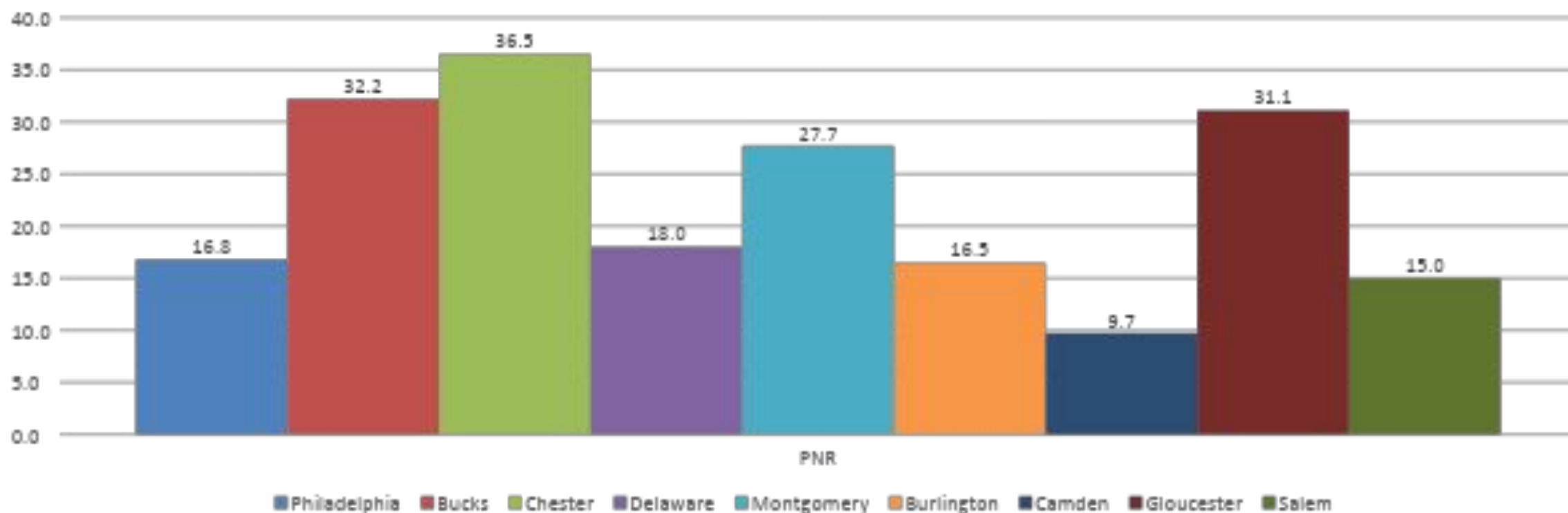
\*Numbers become too small to present population proportions.

**Note** These numbers are presented as percentages, with the denominator being all HIV negative persons interviewed. Graph depicts most recent data available from each cycle; PWID (2024), MSM (2023), WTE/TFP (2023/2024), HET (2019).

**Source** Philadelphia Department of Public Health, Division of HIV Health and National HIV Behavioral Surveillance Project (NHBS)

# PRE-EXPOSURE PROPHYLAXIS

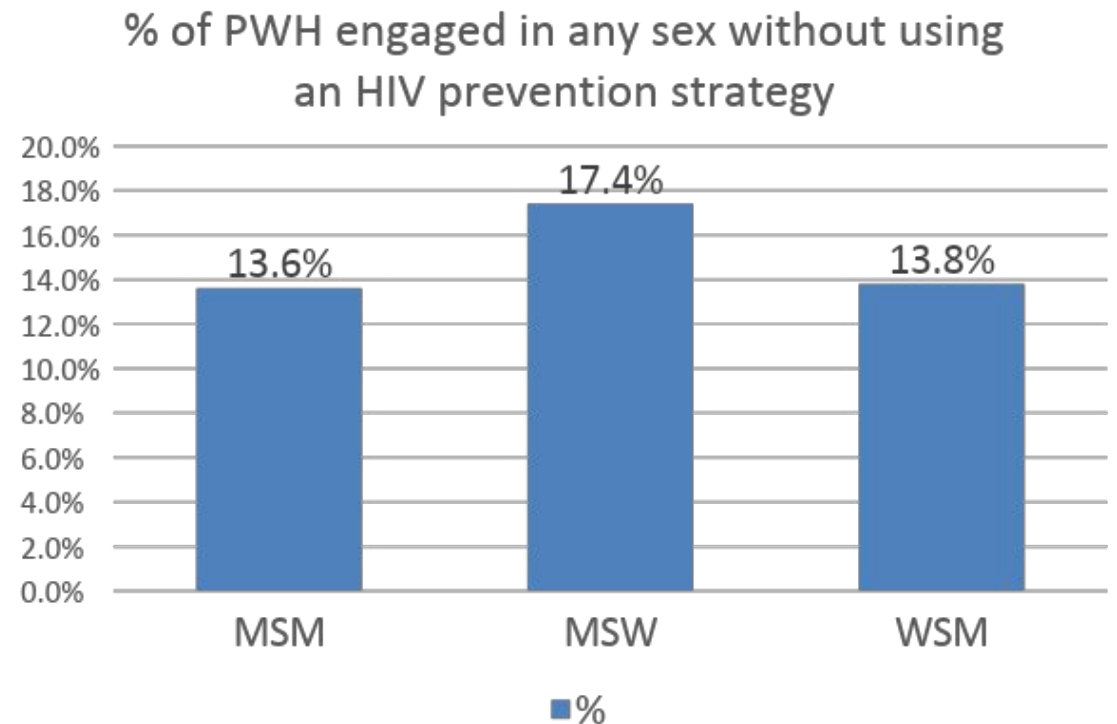
# PREP TO NEED RATION



PrEP-to-Need Ratio (PnR)—the ratio of the number of PrEP users to the number of people newly diagnosed with HIV. Example: In Philadelphia, 16.8 persons are using PrEP for everyone person diagnosed with HIV

# PREVENTION AMONG PWH

- 51.3% of PWH talked to a physician, nurse, or other health care worker about how to prevent HIV or other STDs (2018 – 2022 Philadelphia MMP data)
- 40.7% of PWH received free condoms not counting those given by a friend, relative, or sex partner (2018 – 2022 Philadelphia MMP data)
- 55.8% of sexually active PWH had a test for GC, 56.0% had a test for Chlamydia, 67.3% had a test for Syphilis, and 51.5% received all 3 tests.



\*Prevention strategies include sex while being virally suppressed, use of condoms, condomless sex with a partner on PrEP, sex with a partner with HIV

# PREVENT SUMMARY

- We need to get more people on PrEP across the EMA, including Philadelphia, Delaware, Burlington, Camden, and Salem counties.

RESPOND



## Identify

Identify those populations where HIV is spreading rapidly in real time



## Assess Gaps

Assess gaps in our current prevention and care system that need to be addressed in order to better serve those at highest risk of HIV infection and persons living with HIV



## Direct Funds

Direct funds to new and innovative prevention efforts to avert ongoing HIV transmission

# Responding to HIV Outbreaks

# Responding to HIV Outbreaks

## The ExIS Project

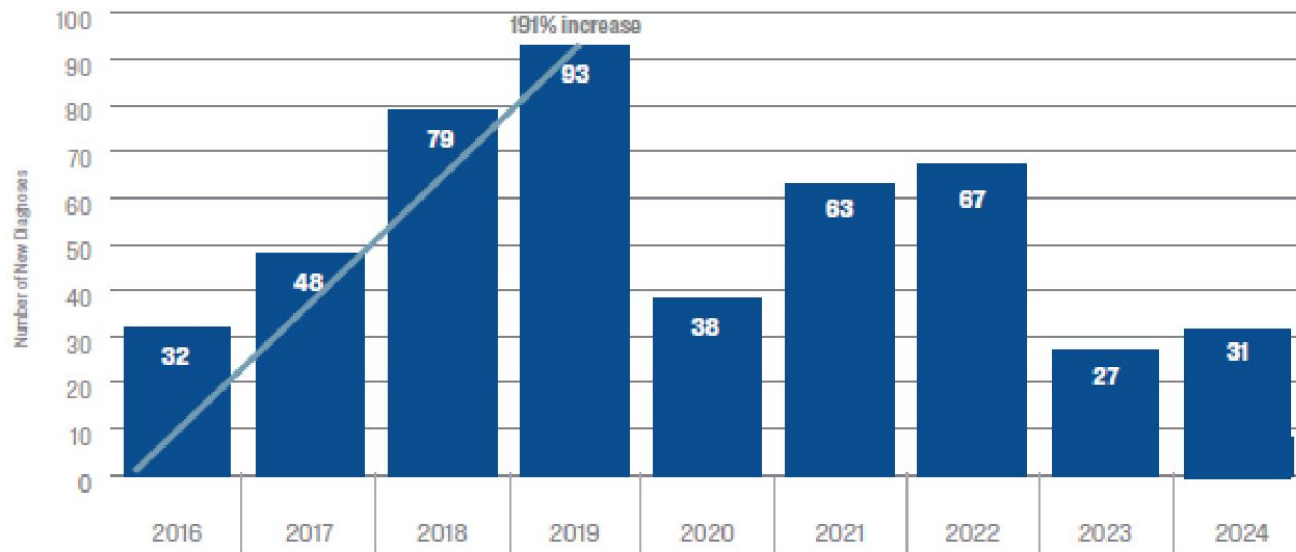
(Expanded Interventional  
Surveillance)

A CDC funded project to identify missed opportunities to  
prevent HIV in Philadelphia

Core Principles of ExIS:

- Review HIV cases that are part of either time/space or molecular HIV clusters
- New HIV infections are the result of gaps/ failures in our healthcare system
- Integrate public health data and individual experiences to develop and implement policy and program changes
- Engage community stakeholders and policy

Figure 6A | HIV Epidemiological Curve among PWID | 2016–2024



PWID  
OUTBREAK

A black and white photograph of the Philadelphia City Hall building, showing its ornate facade with many windows and columns. The image is used as a background for the slide.

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Division of HIV Health

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**THANK YOU**