

National HIV Behavioral Surveillance (NHBS): Heterosexually active persons at increased risk for HIV infection, 2019

Behavioral Surveillance Team
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NHBS: Background

- Started in 2003
- CDC's comprehensive system for conducting bio-behavioral surveillance among persons at increased risk for HIV infection
- State/local health departments with a metropolitan statistical area/division with high prevalence of HIV are eligible to participate in NHBS
- NHBS provides data to steer resources and programs



NHBS: Objectives

- Monitor prevalence and trends in:
 - HIV infection
 - HIV associated behaviors
 - HIV testing
 - Use of prevention services
- Monitor topics of local importance in each project area

NHBS: Populations



- NHBS surveys three populations in rotating annual cycles:
 - Men who have sex with men (MSM)
 - Persons who inject drugs (PWID)
 - Heterosexually active persons at increased risk of HIV infection (HET)



- Three annual cycles are considered a round

23* NHBS Project Areas in Round 5 (2017-2019)



*Baltimore was not funded under the Funding Opportunity Announcement that covered 2016 HET and Round 5 but is participating in Round 5.

<https://www.cdc.gov/hiv/statistics/systems/nhbs/projectareas.html>

NHBS: Participants and Data



- NHBS data are anonymous
- Participants complete a standardized questionnaire with a trained interviewer
- All participants are offered an HIV test
- For each cycle, general NHBS eligibility criteria are:
 - Age of ≥ 18 years
 - Residence in participating city
 - No previous participation during the current survey cycle
 - Ability to complete the survey in either English or Spanish
 - Ability to provide informed consent

NHBS 2019 HET Cycle



■ Additional eligibility

- Identify as male or female
- Had opposite sex partner in the past 12 months
- Age \leq 60 years

■ Sample goals

- 500 participants per city (low income)
 - Income not exceeding 150% of HHS poverty guidelines, adjusted for geographic differences in cost of living
 - Not PWID or MSM

HIV Infection, Risk, Prevention, and Testing Behaviors Among Heterosexually Active Adults at Increased Risk for HIV Infection, 2019

<https://www.cdc.gov/hiv/pdf/library/reports/surveillance/cdc-hiv-surveillance-special-report-number-26.pdf>

Methods: Respondent-Driven Sampling



Initial recruits (“seeds”):

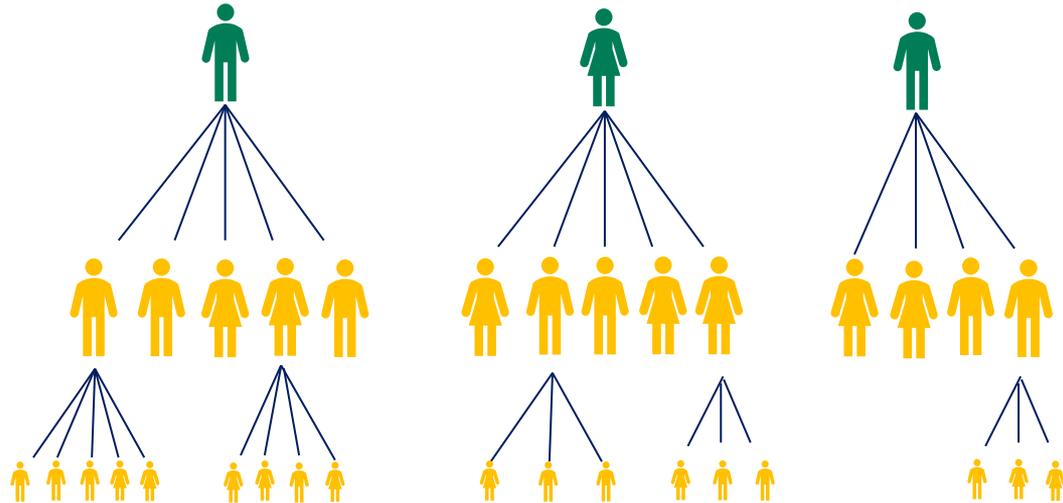
- Know the population of interest
- Live in census tracts with high poverty rates
- May recruit up to 5 people they know

Eligible recruits:

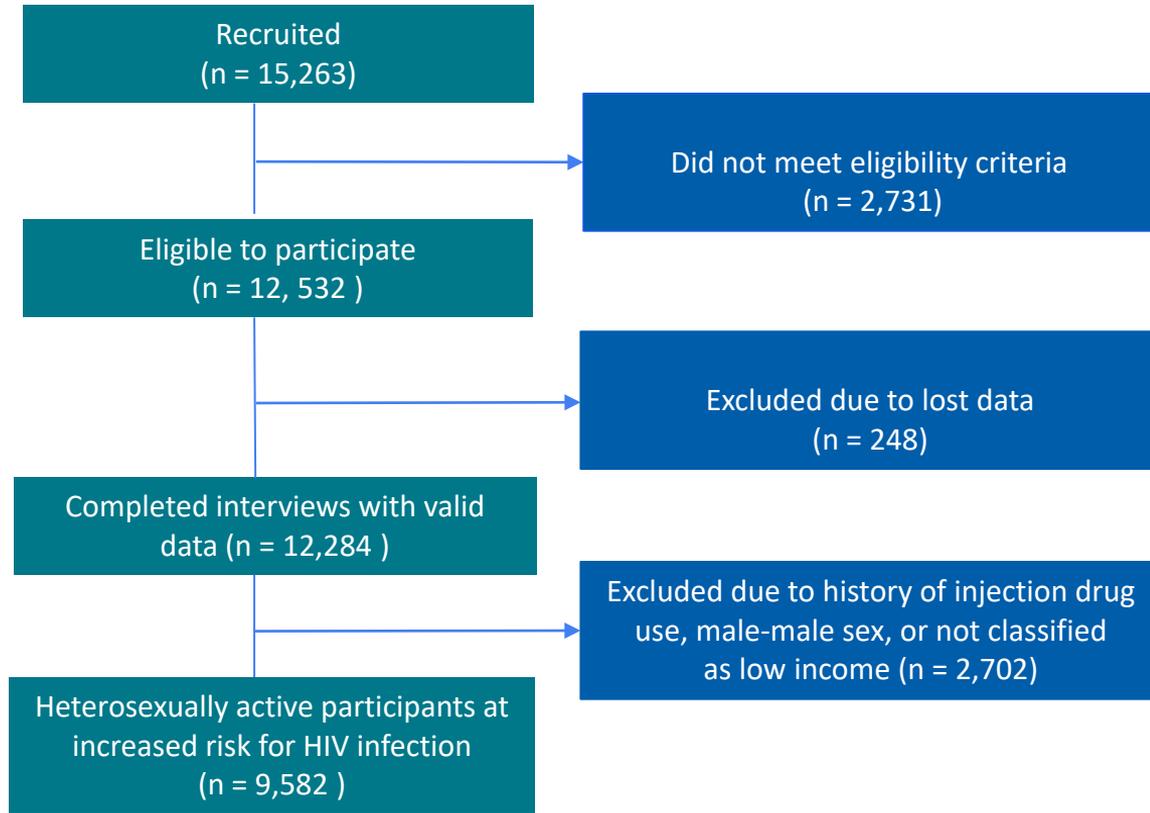
- Complete survey
- May recruit up to 5 people they know

Recruitment process continues until:

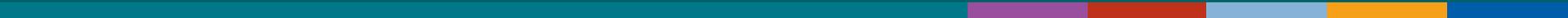
- **Sample size is met or**
- **Sampling period ends**



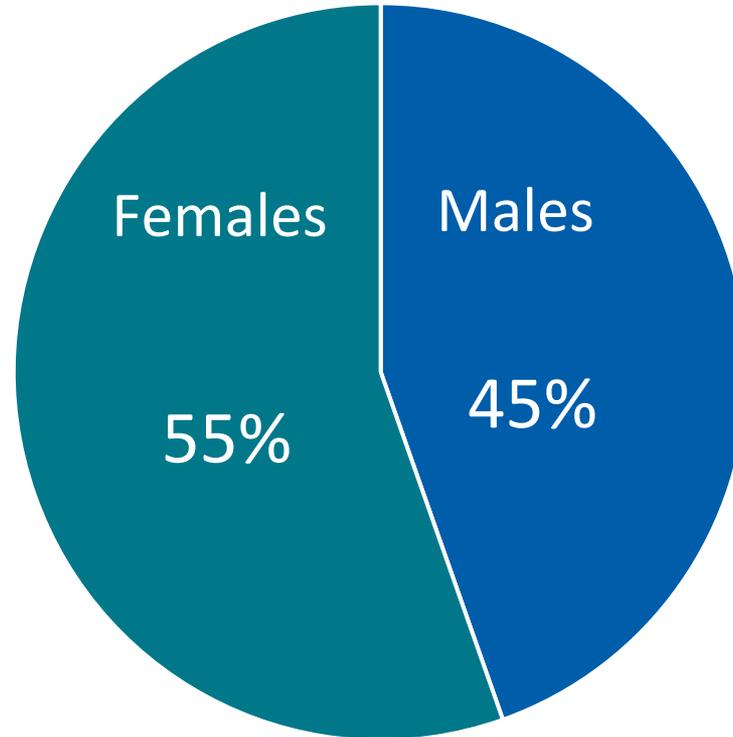
NHBS Recruitment and Analysis Sample, 2019



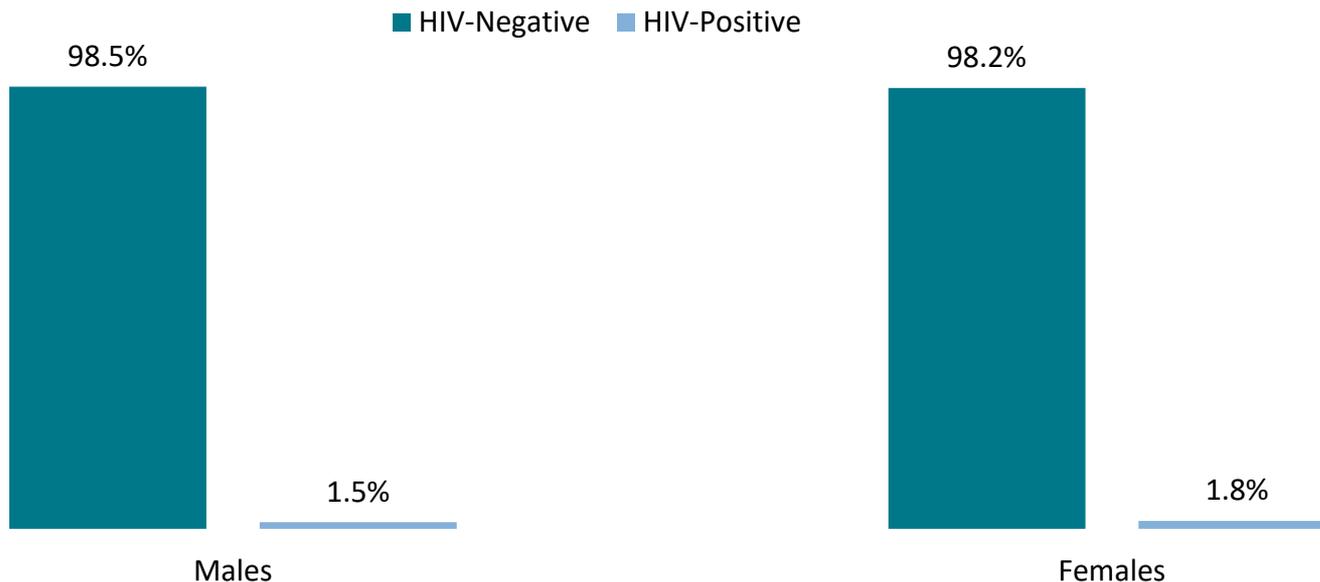
Demographics

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Heterosexually Active Participants by Gender, NHBS, 2019

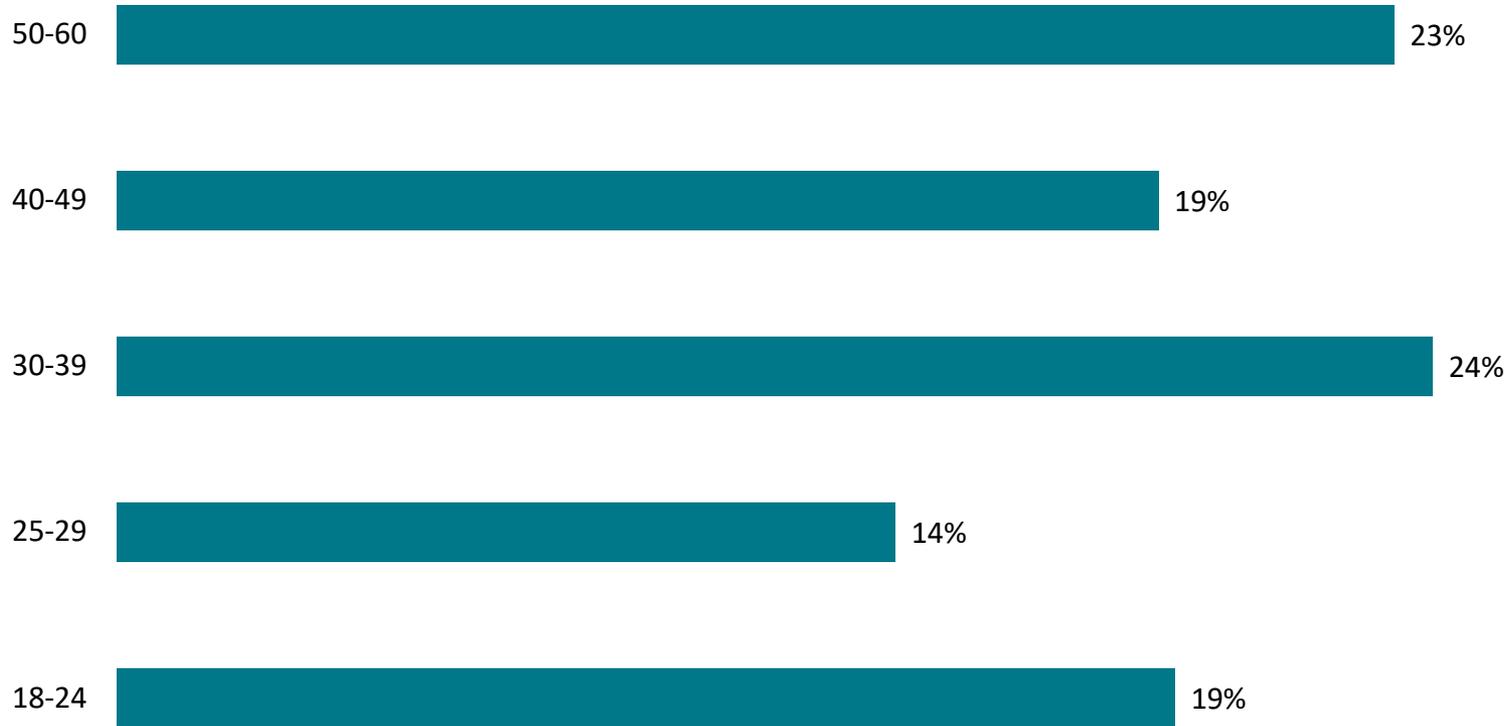


HIV Status* of Heterosexually Active Participants by Gender, NHBS, 2019



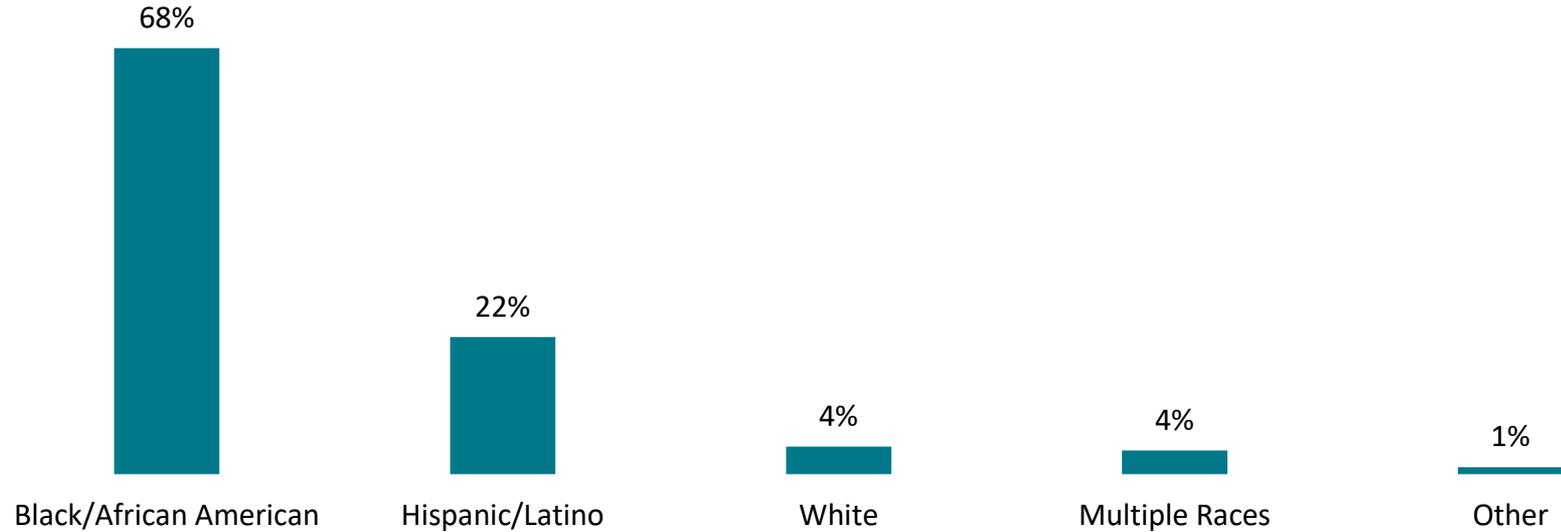
*Participants with a valid NHBS HIV test result. Participants who were HIV-positive had a reactive rapid NHBS HIV test result supported by a second rapid test or supplemental laboratory-based testing.

Heterosexually Active Participants by Age Group, NHBS, 2019



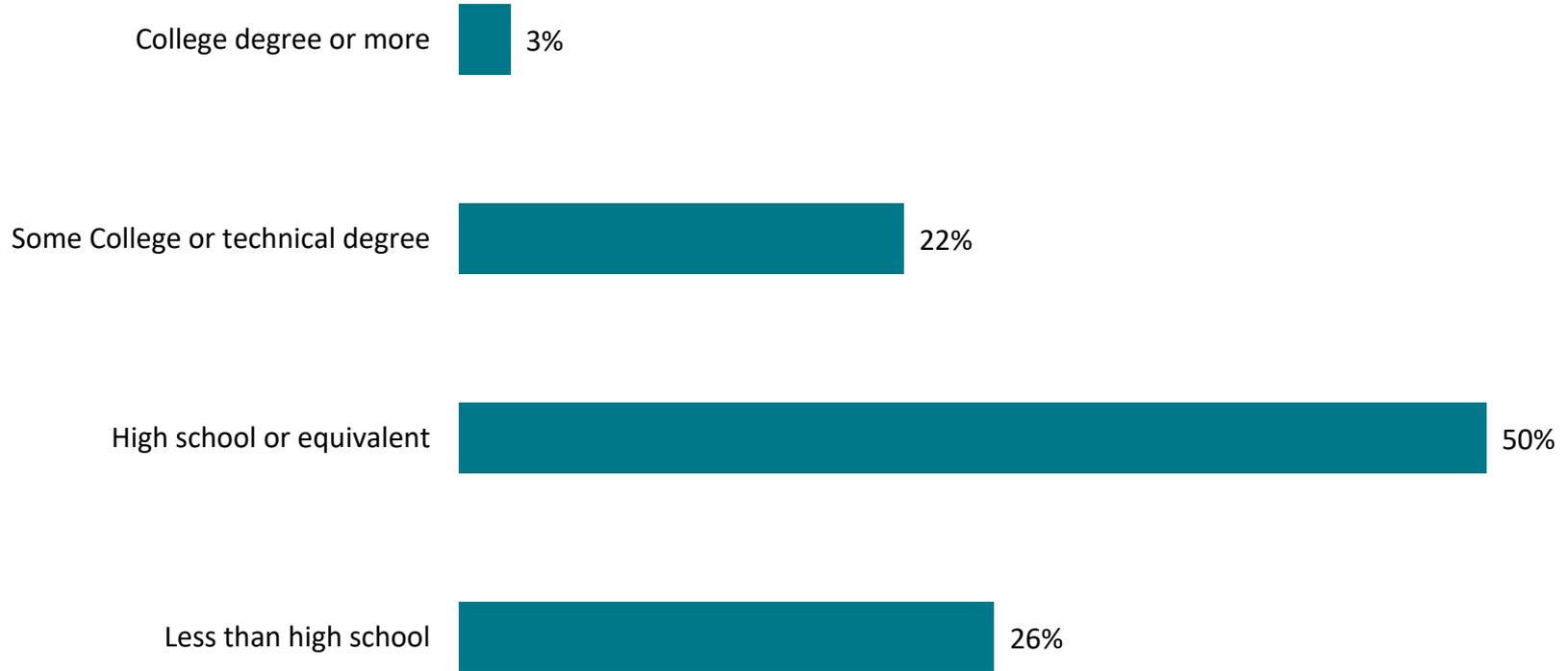
Numbers might not sum to 100% due to rounding

Heterosexually Active Participants by Race/Ethnicity, NHBS, 2019



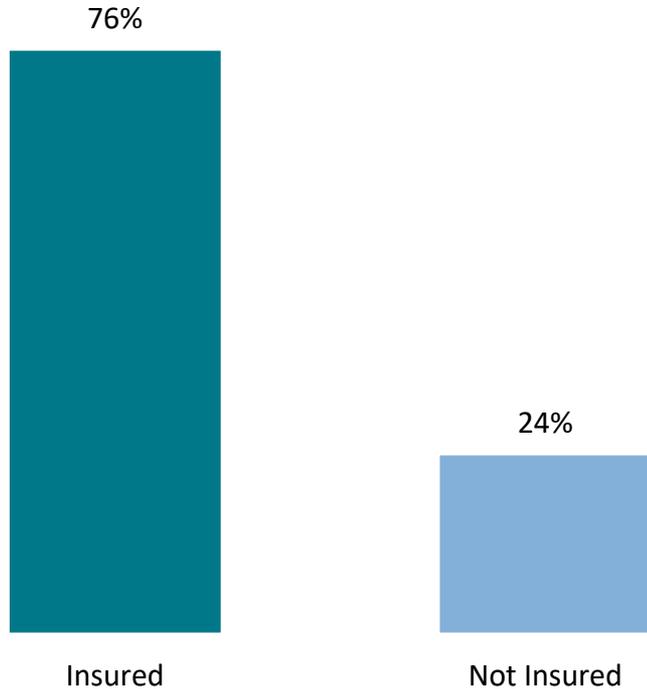
Hispanic/Latino can be of any race; Other includes Asian, American Indian/Alaska Native, and Native Hawaiian/Other Pacific Islander
Numbers might not sum to 100% due to rounding

Heterosexually Active Participants by Education Level, NHBS, 2019

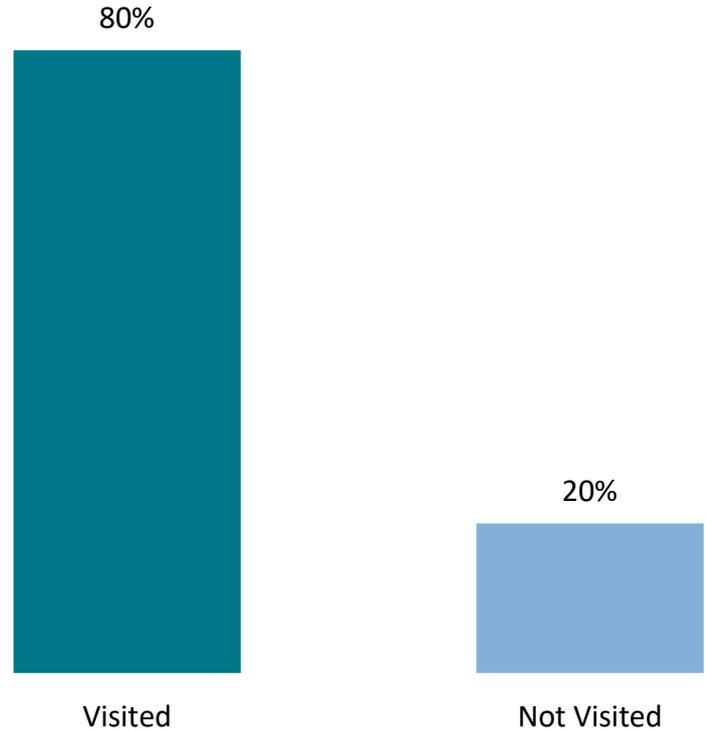


Numbers might not sum to 100% due to rounding

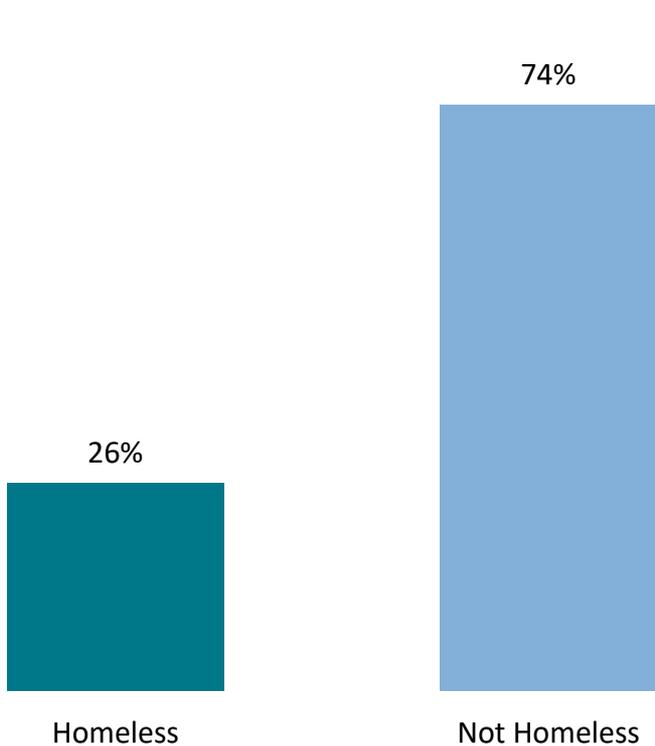
Heterosexually Active Participants by Current Health Insurance Status, NHBS, 2019



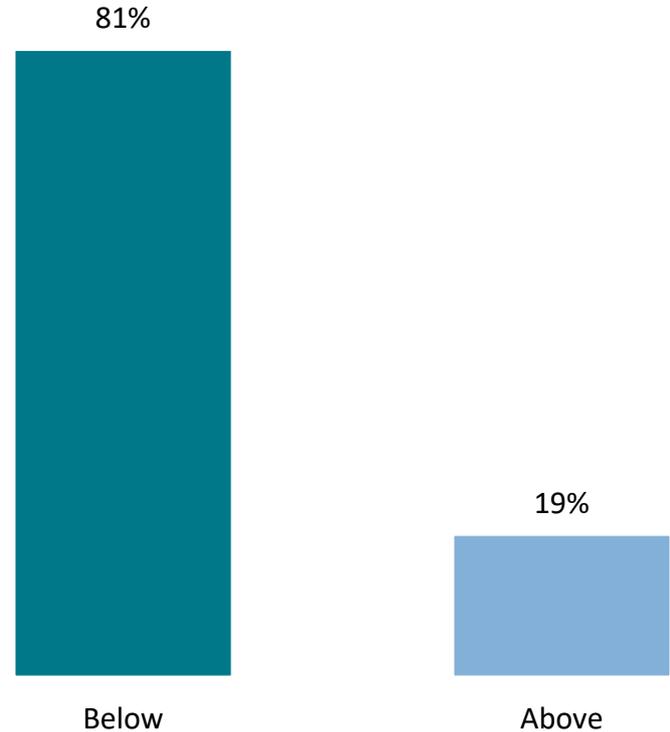
Heterosexually Active Participants who Visited a Health Care Provider, past 12 months, NHBS, 2019



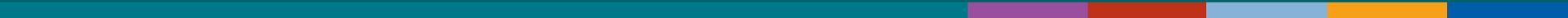
Heterosexually Active Participants by Homelessness Status, past 12 month, NHBS, 2019



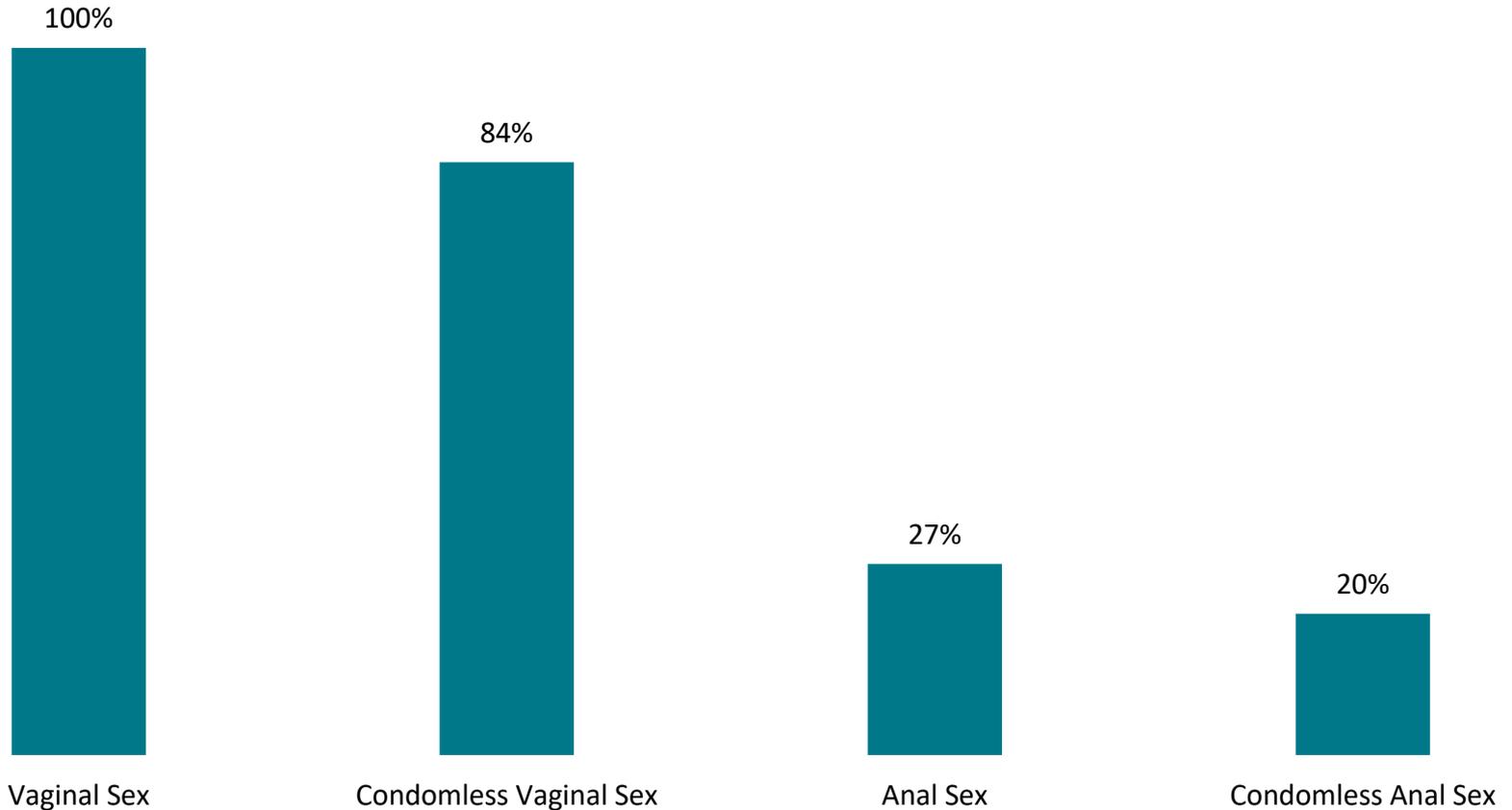
Heterosexually Active Participants by Federal Poverty Level, NHBS, 2019



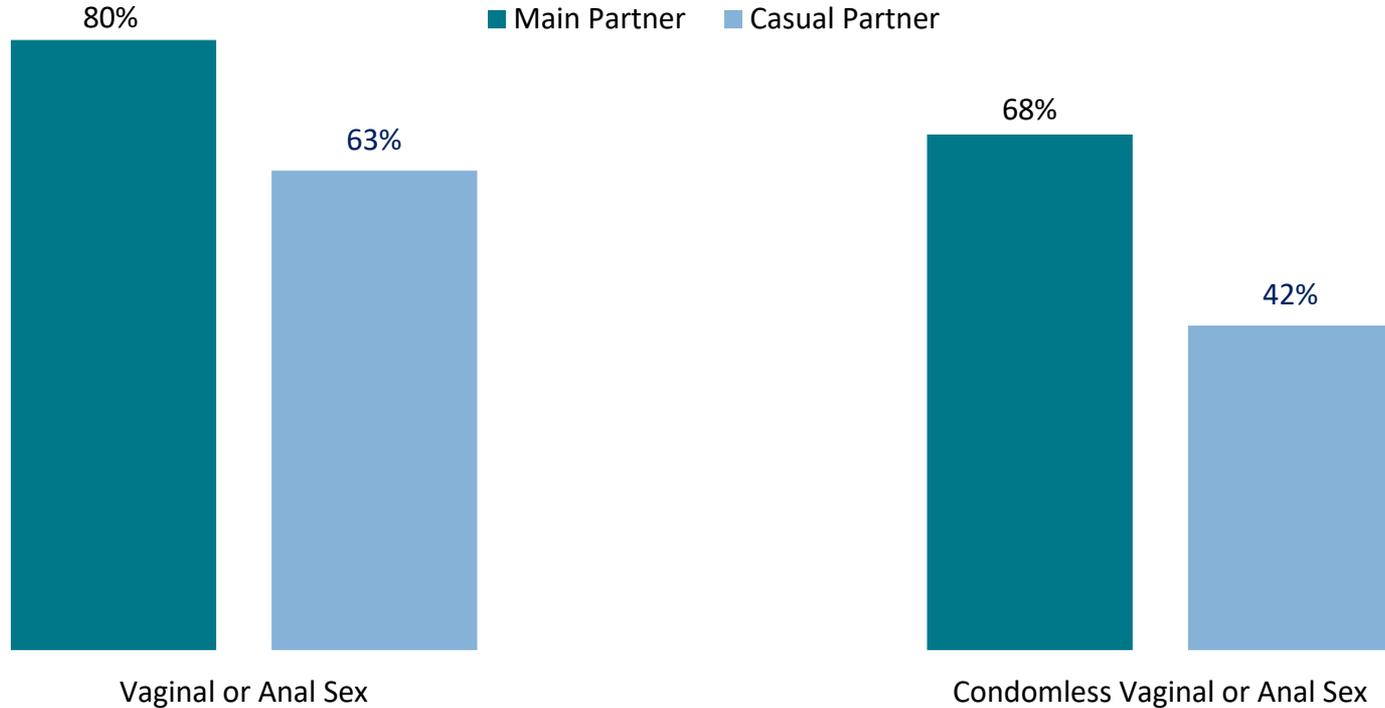
Sexual Behaviors

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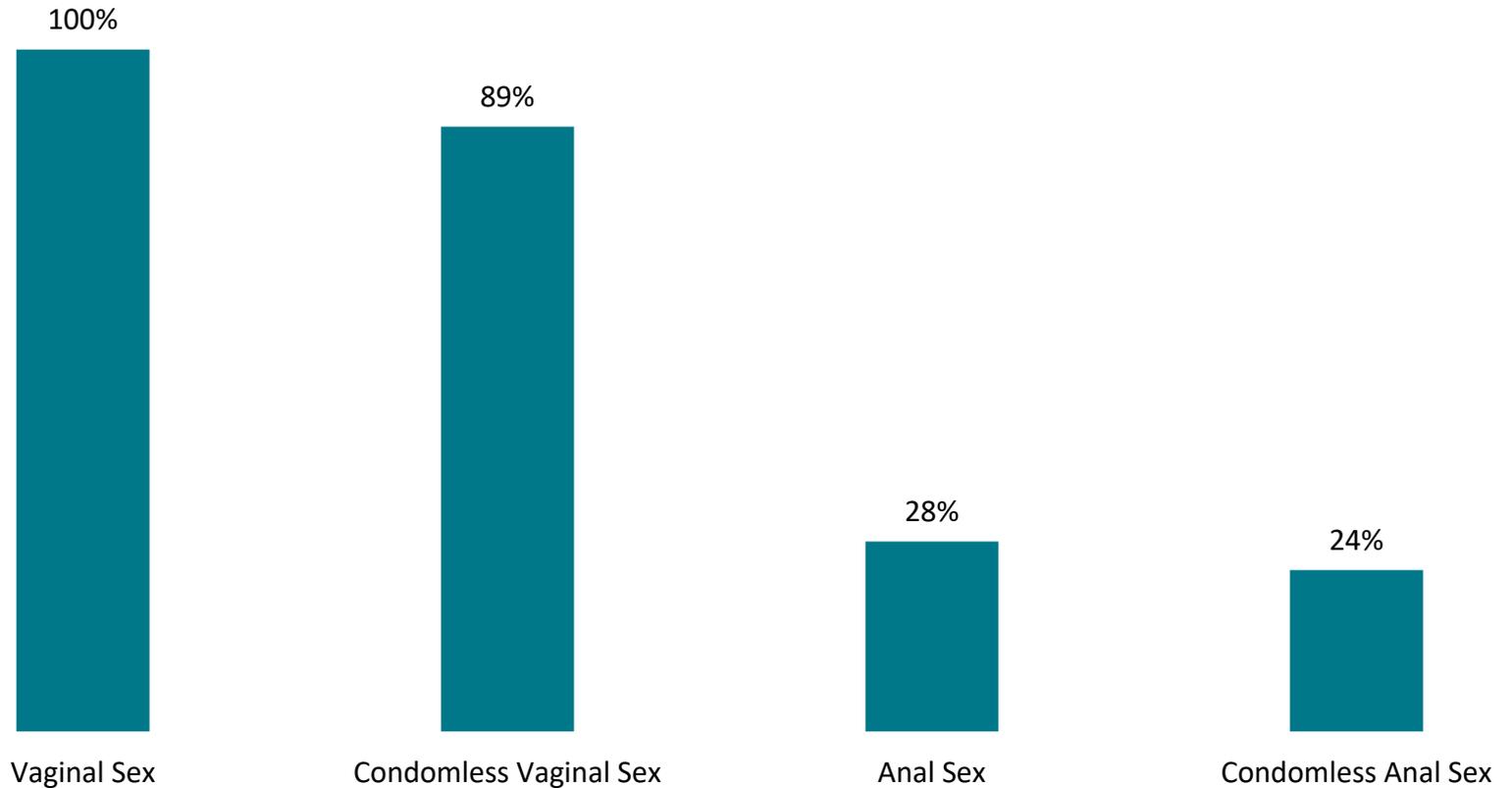
Sexual Behaviors with Female Sex Partners among Heterosexually Active Men, NHBS, 2019



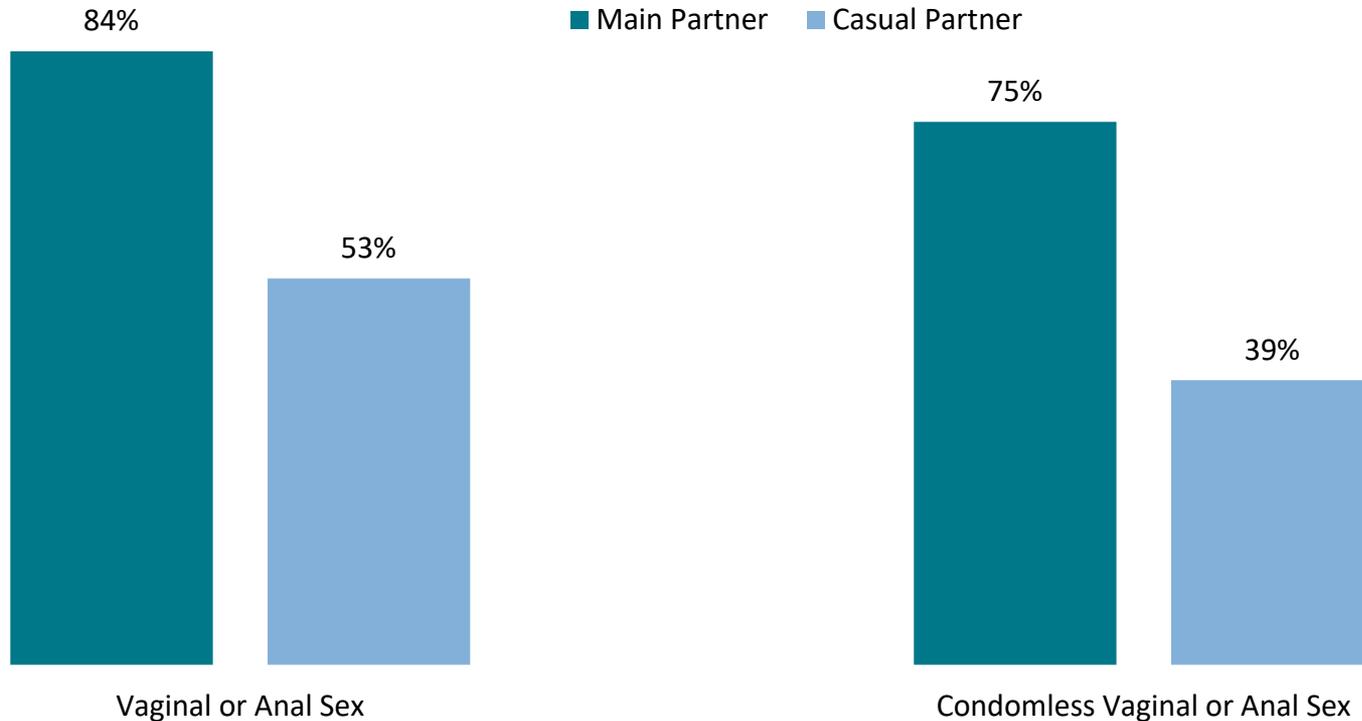
Sexual Behaviors with Female Sex Partners among Heterosexually Active Men by Partner Type, NHBS, 2019



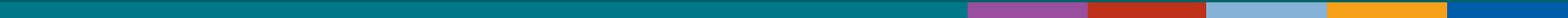
Sexual Behaviors with Male Partners among Heterosexually Active Women, NHBS, 2019



Sexual Behaviors with Male Partners among Heterosexually Active Women by Partner Type, NHBS, 2019



HIV Testing and Prevention Behaviors

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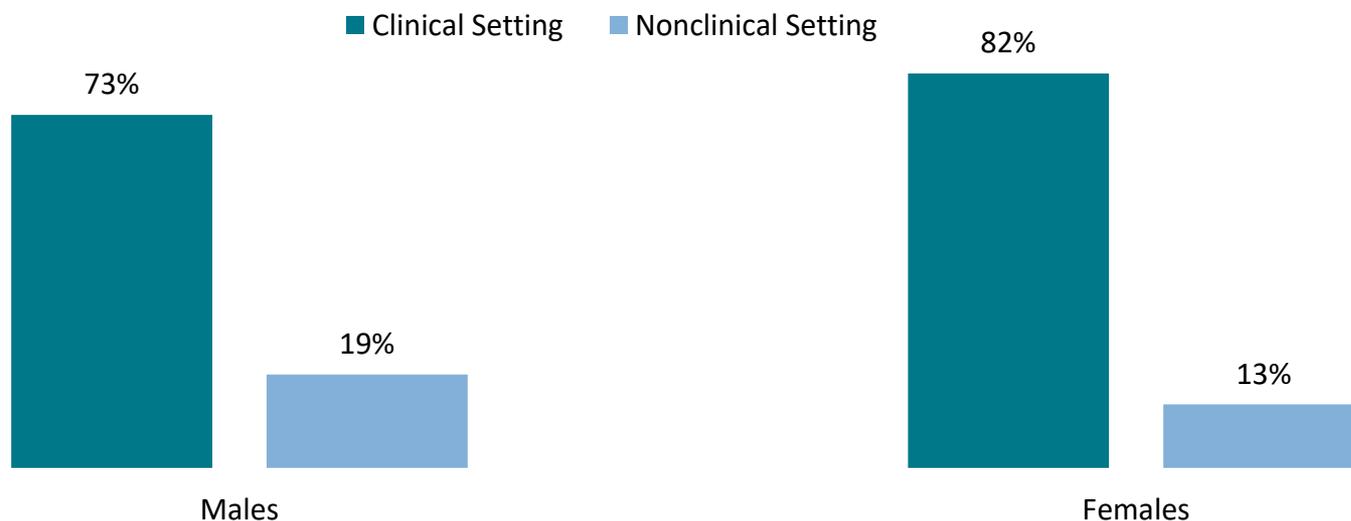
Heterosexually Active Participants Ever Testing for HIV by Gender, NHBS, 2019



Heterosexually Active Participants Testing for HIV in the past 12 months by Gender, NHBS, 2019

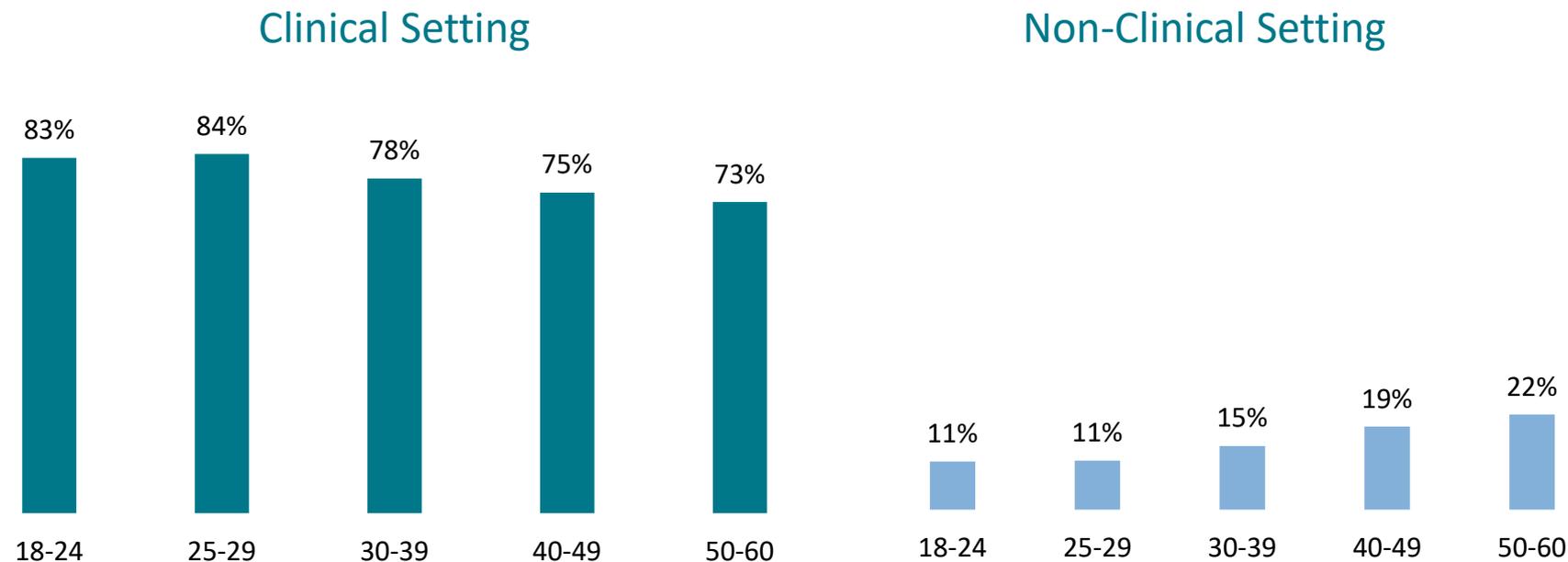


Setting of Most Recent HIV Test among Heterosexually Active Men and Women who were tested for HIV in the past 12 months, NHBS, 2019



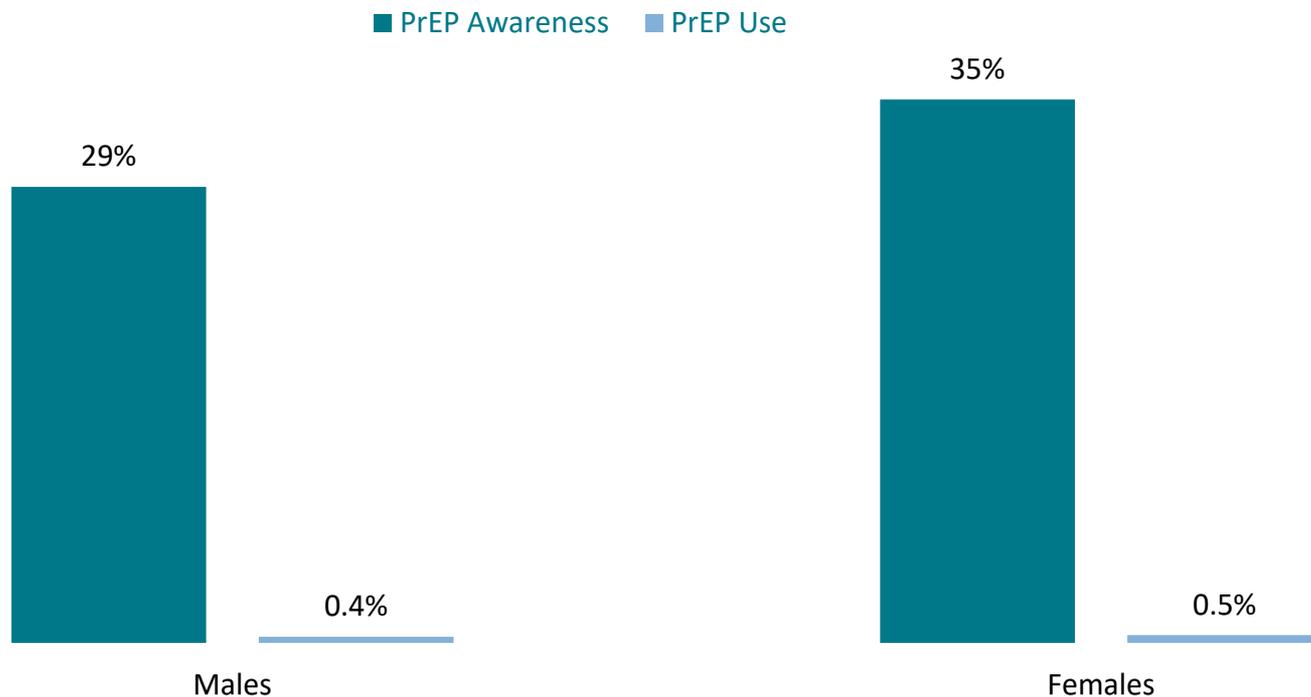
Clinical settings include private doctor's office (including HMO), emergency department, hospital (inpatient), public health clinic or community health center, family planning or obstetrics clinic, correctional facility, or drug treatment program. Nonclinical settings include HIV counseling and testing site, HIV street outreach program or mobile unit, syringe services program, or home.

Setting of Most Recent HIV Test among Heterosexually Active Men and Women who were tested for HIV in the past 12 months by Age Groups, NHBS, 2019

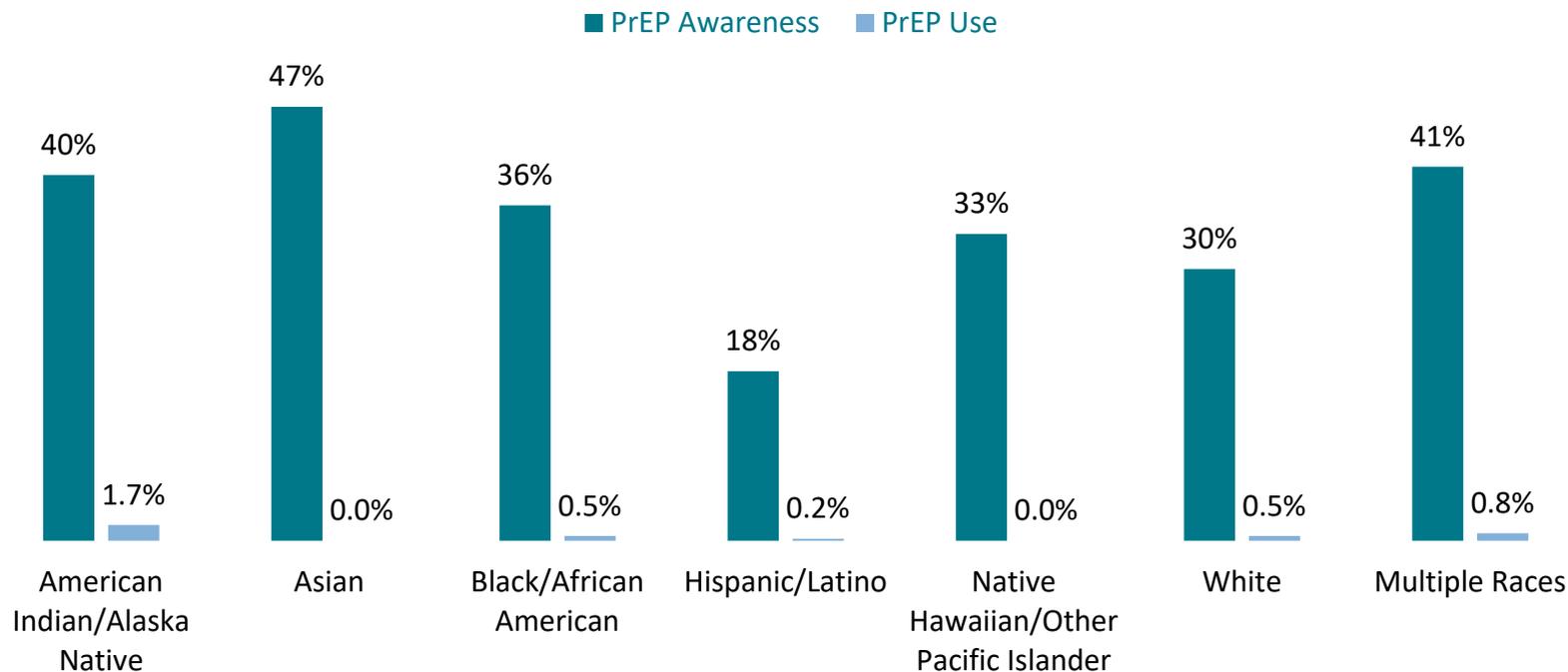


Clinical settings include private doctor's office (including HMO), emergency department, hospital (inpatient), public health clinic or community health center, family planning or obstetrics clinic, correctional facility, or drug treatment program. Nonclinical settings include HIV counseling and testing site, HIV street outreach program or mobile unit, syringe services program, or home.

PrEP Awareness and Use by Gender among Heterosexually Active HIV-Negative Men and Women, NHBS, 2019

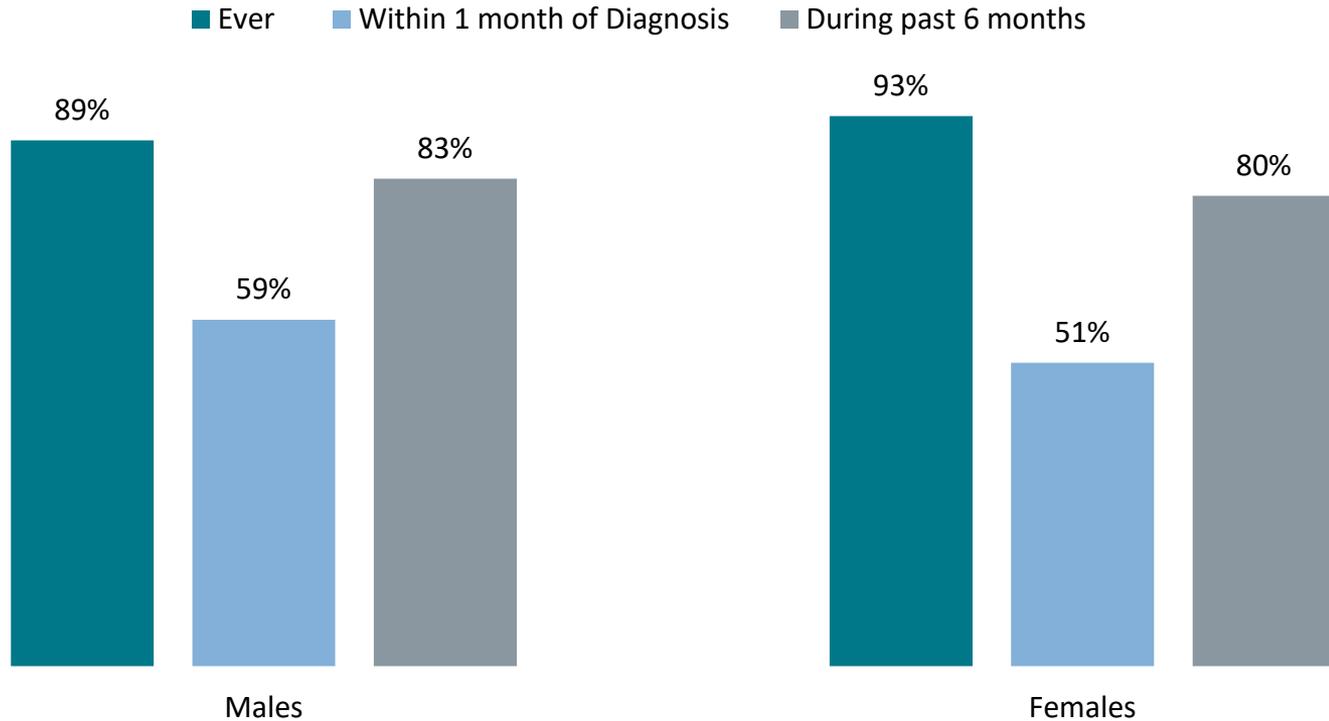


PrEP Awareness and Use by Race/Ethnicity among Heterosexually Active HIV-Negative Men and Women, NHBS, 2019



Hispanic/Latino can be of any race

Receipt of HIV care and Treatment among Self-Reported HIV-positive Heterosexually Active Men and Women, NHBS, 2019





NHBS Resources

Surveillance Report

- <https://www.cdc.gov/hiv/pdf/library/reports/surveillance/cdc-hiv-surveillance-special-report-number-26.pdf>

NHBS Publications:

- <https://www.cdc.gov/hiv/statistics/systems/nhbs/publications.html>

NHBS Project Areas:

- <https://www.cdc.gov/hiv/statistics/systems/nhbs/projectareas.html>

Acknowledgements

- This slide set was prepared by the following CDC staff: Terence Hickey, Dafna Kanny, Amy Baugher, Susan Cha, Johanna Chapin-Bardales, Jason (Jincong) Freeman, Elana Morris, Cyprian Wejnert, Teresa Finlayson.
- NHBS study participants, project area staff, contractors.
- **NHBS Study Group:** **Atlanta, GA:** Pascale Wortley, Jeffery Todd, David Melton; **Baltimore, MD:** Colin Flynn, Danielle German; **Boston, MA:** Monina Klevens, Shauna Onofrey, Conall O’Cleirigh; **Chicago, IL:** Antonio D. Jimenez, Irina Tabidze, David Kern; **Dallas, TX:** Margaret Vaaler, Jie Deng; **Denver, CO:** Alia Al-Tayyib, Daniel Shodell; **Detroit, MI:** Emily Higgins, Vivian Griffin, Corrine Sanger; **Houston, TX:** Salma Khuwaja, Zaida Lopez, Paige Padgett; **Los Angeles, CA:** Ekow Kwa Sey, Yingbo Ma, Hugo Santacruz; **Memphis, TN:** Monica Kent, Jack Marr, Meredith Brantley; **Miami, FL:** Emma Spencer, David Forrest, Monica Faraldo; **Nassau-Suffolk, NY:** Bridget J. Anderson, Ashley Tate, Meaghan Abrego; **New Orleans, LA:** William T. Robinson, Narquis Barak, Jacob Chavez; **New York, NY:** Sarah Braunstein, Alexis Rivera, Sidney Carrillo; **Newark, NJ:** Abdel R. Ibrahim, Afework Wogayehu, Corey Rosmarin-DeStafano; **Philadelphia, PA:** Kathleen A. Brady, Jennifer Shinefeld, Tanner Nassau; **Portland, OR:** Timothy W. Menza, E. Roberto Orellana, Lauren Lipira; **San Diego, CA:** Sheryl Williams, Anna Flynn, Adam Bente; **San Francisco, CA:** Willi McFarland, Desmond Miller, Danielle Veloso; **San Juan, PR:** Sandra Miranda De León, Yadira Rolón-Colón, María Pabón Martínez; **Seattle, WA:** Tom Jaenicke, Sara Glick, Jennifer Reuer; **Virginia Beach, VA:** Jennifer Kienzle, Brandie Smith, Toyah Reid; **Washington, DC:** Jenevieve Opoku, Irene Kuo.
- This research was supported in part by an appointment to the Research Participation Program at the Centers for Disease Control and Prevention administered by the Oak Ridge Institute for Science and Education through an interagency agreement between the U.S. Department of Energy and CDC.

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