Table 1. Selected characteristics of men who have sex with men—National HIV Behavioral Surveillance, 23 U.S. cities, 2017

				No valid N			
 HIV-negative ^a		HIV-po	sitive ^b	test re	sult ^c	Tot	tal
No. %		No.	%	No.	%	No.	%

18-24

25-29

30-39

40-49

≥50

Race/ethnicity

American Indian/Alaska Native

Asian

Black/African American

Hispanic/Latino^d

Native Hawaiian/Other Pacific Islander

White

Multiple races

Education

Less than high school

High school diploma or equivalent

Some college or technical degree

College degree or more

Household income^e

At or below the federal poverty level

Above the federal poverty level

Health insurance

Yes

No

Visited a health care provider, past 12 months

Yes

No

Homeless,^f past 12 months

Yes

No

Incarcerated,^g past 12 months

Yes

No

Table 1. Selected characteristics of men who have sex with men—National HIV Behavioral Surveillance, 23 U.S. cities, 2017 (cont)

			No valid NHBS HIV								
 HIV-negative ^a		HIV-po	sitive ^b	test re	esult ^c	То	tal				
No. %		No.	%	No.	%	No.	%				

City

Atlanta, GA

Baltimore, MD

Boston, MA

Chicago, IL

Dallas, TX

Denver, CO

Detroit, MI

Houston, TX

Los Angeles, CA

Memphis, TN

Miami, FL

Nassau-Suffolk, NY

New Orleans, LA

New York City, NY

Newark, NJ

Philadelphia, PA

Portland, OR

San Diego, CA

San Francisco, CA

San Juan, PR

Seattle, WA

Virginia Beach, VA

Washington, DC

Total

Abbreviation: NHBS, National HIV Behavioral Surveillance.

Note. "Past 12 months" refers to the 12 months before interview.

^a Participants with a valid negative NHBS HIV test result.

^b Participants with a reactive rapid NHBS HIV test result supported by a second rapid test or supplemental laboratory-based testing.

^C Participants who did not have a valid positive or negative NHBS HIV test result, including those who did not consent to the HIV test, had an indeterminate laboratory result, discordant rapid test results, or reported a previous HIV-positive test result but had a negative NHBS HIV test result.

^d Hispanics/Latinos can be of any race.

^e Poverty level is based on household income and household size.

f Living on the street, in a shelter, in a single-room–occupancy hotel, or in a car.

 $^{{}^{\}mbox{\scriptsize g}}$ Having been held in a detention center, jail, or prison for more than 24 hours.

Table 2. HIV prevalence among men who have sex with men—National HIV Behavioral Surveillance, 23 U.S. cities, 2017

HIV-po		
No.	%	Total No.

18-24

25-29

30-39

40-49

≥50

Race/ethnicity

American Indian/Alaska Native

Asiar

Black/African American

Hispanic/Latinob

Native Hawaiian/Other Pacific Islander

White

Multiple races

City

Atlanta, GA

Baltimore, MD

Boston, MA

Chicago, IL

Dallas, TX

Denver, CO

Detroit, MI

Houston, TX

Los Angeles, CA

Memphis, TN

Miami, FL

Nassau-Suffolk, NY

New Orleans, LA

New York City, NY

Newark, NJ

Philadelphia, PA

Portland, OR

San Diego, CA

San Francisco, CA

San Juan, PR

Seattle, WA

Virginia Beach, VA

Washington, DC

Total

Abbreviation: NHBS, National HIV Behavioral Surveillance (footnotes only).

Note. Data include all participants with a valid NHBS HIV test result.

^a Participants with a reactive rapid NHBS HIV test result supported by a second rapid test or supplemental laboratory-based testing.

^b Hispanics/Latinos can be of any race.

Table 3. HIV testing among men who have sex with men—National HIV Behavioral Surveillance, 23 U.S. cities, 2017

Ever te	r tested			
No.	%	No.	%	Total No.

18-24

25-29

30-39

40-49

≥50

Race/ethnicity

American Indian/Alaska Native

Asian

Black/African American

Hispanic/Latinob

Native Hawaiian/Other Pacific Islander

White

Multiple races

City

Atlanta, GA

Baltimore, MD

Boston, MA

Chicago, IL

Dallas, TX

Denver, CO

Detroit, MI

Houston, TX

Los Angeles, CA

Memphis, TN

Miami, FL

Nassau-Suffolk, NY

New Orleans, LA

New York City, NY

Newark, NJ

Philadelphia, PA

Portland, OR

San Diego, CA

San Francisco, CA

San Juan, PR

Seattle, WA

Virginia Beach, VA

Washington, DC

Total

Note. Data include all participants who did not report a previous HIV-positive test result and participants who received their first HIV-positive test result less than 12 months before interview.

^a "Past 12 months" refers to the 12 months before interview.

^b Hispanics/Latinos can be of any race.

Table 4. Setting of most recent HIV test among men who have sex with men and who were tested for HIV during the 12 months before interview—National HIV Behavioral Surveillance, 23 U.S. cities, 2017

Clin	nical setti	ng ^a	Nonclinical s	etting ^b	
No.	o. ((%)	No.	(%)	Total No.

18-24

25-29

30-39

40-49

≥50

Race/ethnicity

American Indian/Alaska Native

Asian

Black/African American

Hispanic/Latino^c

Native Hawaiian/Other Pacific Islander

White

Multiple races

City

Atlanta, GA

Baltimore, MD

Boston, MA

Chicago, IL

Dallas, TX

Denver, CO

Detroit, MI

Houston, TX

Los Angeles, CA

Memphis, TN

Miami, FL

Nassau-Suffolk, NY

New Orleans, LA

New York City, NY

Newark, NJ

Philadelphia, PA

Portland, OR

San Diego, CA

San Francisco, CA

San Juan, PR

Seattle, WA

Virginia Beach, VA

Washington, DC

Total

Abbreviation: HMO, health maintenance organization (footnotes only).

Note. Data report setting of most recent HIV test. Data exclude participants who did not report an HIV test during the 12 months before interview or who reported receiving an HIV-positive test result more than 12 months before interview. Percentages may not add to 100 because of missing data and "other" locations, which could not be classified as clinical or nonclinical settings.

^a 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.

^b Nonclinical settings include HIV counseling and testing site, HIV street outreach program or mobile unit, needle exchange program, or home.

^c Hispanics/Latinos can be of any race.

Table 5. Sexual behavior with female and male sex partners in the 12 months before interview among men who have sex with men—National HIV Behavioral Surveillance, 23 U.S. cities, 2017

With female sex partners									With male sex partners				
Condomless Vaginal sex				Anal	cov	Condomles	e anal cov	Anal sex Condomless anal s			e anal cov		
vayııı	ai Sex	vaginal sex		Allai	SEX	Condonnes	os aliai sex	Allal	I SEX	Condonne	os allal sex		
No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	Total No.	

HIV-negative^a

Age at interview (yr)

18-24

25-29

30-39

40-49

≥50

Race/ethnicity

American Indian/Alaska Native

Asian

Black/African American

Hispanic/Latino^b

Native Hawaiian/Other Pacific Islander

White

Multiple races

HIV-positive^c

Age at interview (yr)

18-24

25-29

30-39

40-49

≥50

Race/ethnicity

American Indian/Alaska Native

Asian

Black/African American

Hispanic/Latinob

Native Hawaiian/Other Pacific Islander

White

Multiple races

No valid NHBS HIV test result^d

Total

Abbreviation: NHBS, National HIV Behavioral Surveillance.

- ^a Participants with a valid negative NHBS HIV test result.
- ^b Hispanics/Latinos can be of any race.
- ^c Participants with a reactive rapid NHBS HIV test result supported by a second rapid test or supplemental laboratory-based testing.
- d Participants who did not have a valid positive or negative NHBS HIV test result, including those who did not consent to the HIV test, had an indeterminate laboratory result, discordant rapid test results, or reported a previous HIV-positive test result but had a negative NHBS HIV test result.

Table 6. Sexual behavior with male partners in the 12 months before interview among men who have sex with men, by partner type—National HIV Behavioral Surveillance, 23 U.S. cities, 2017

		Main ma	le partner			Casual m	ale partner		Main and c		
_	Anal sex		Condomless anal sex		Anal sex		Condomless anal sex		partners—sex of any type ^a		
	No. %		No.	%	No.	%	No.	%	No.	%	Total No.

HIV-negative^b

Age at interview (yr)

18-24

25-29

30-39

40-49

≥50

Race/ethnicity

American Indian/Alaska Native

Asian

Black/African American

Hispanic/Latino^c

Native Hawaiian/Other Pacific Islander

White

Multiple races

HIV-positive^d

Age at interview (yr)

18-24

25-29

30-39

40-49

≥50

Race/ethnicity

American Indian/Alaska Native

Asian

Black/African American

Hispanic/Latino^c

Native Hawaiian/Other Pacific Islander

White

Multiple races

No valid NHBS HIV test resulte

Total

Abbreviation: NHBS, National HIV Behavioral Surveillance.

- ^a Participants who reported oral or anal sex with at least 1 male main partner and at least 1 male casual partner in the 12 months before interview.
- ^b Participants with a valid negative NHBS HIV test result.
- ^C Hispanics/Latinos can be of any race.
- ^d Participants with a reactive rapid NHBS HIV test result supported by a second rapid test or supplemental laboratory-based testing.
- e Participants who did not have a valid positive or negative NHBS HIV test result, including those who did not consent to the HIV test, had an indeterminate laboratory result, discordant rapid test results, or reported a previous HIV-positive test result but had a negative NHBS HIV test result.

Table 7. Anal sex with the most recent sex partner during the 3 months before interview among men whose last sex partner was male—National HIV Behavioral Surveillance, 23 U.S. cities, 2017

	Insertive ^a anal sex only				Receptive ^b anal sex only				Both insertive ^a and receptive ^b anal sex				No anal s		
	Tot	tal ^c	Condomless ^e		Total ^c		Condomless [†]		Total ^c		Condomless ⁹		past 3 months ^{c,d}		
•	No.	%	No. %		No.	%	No.	%	No.	%	No.	%	No.	%	Total No.

HIV-negativeh

Age at interview (yr)

18–24

25-29

30-39

40-49

≥50

Race/ethnicity

American Indian/Alaska Native

Asian

Black/African American

Hispanic/Latinoⁱ

Native Hawaiian/Other Pacific Islander

White

Multiple races

HIV-positive

Age at interview (yr)

18–24

25–29

30-39

40-49

≥50

Race/ethnicity

American Indian/Alaska Native

Asian

Black/African American

Hispanic/Latinoⁱ

Native Hawaiian/Other Pacific Islander

White

Multiple races

No valid NHBS HIV test resultk

Tota

Abbreviation: NHBS, National HIV Behavioral Surveillance.

Note. Outcomes are only reported for men whose most recent sex partner was male. Men whose most recent sex partner was female (n=353) or unknown gender (n=39) were excluded. Percentages may not add to 100 because of missing data.

- a The participant's most recent sex partner was male and the participant placed his penis in the anus of his sex partner one or more times during the 3 months before interview.
- b The participant's most recent sex partner was male and the sex partner placed his penis in the participant's anus one or more times during the 3 months before interview.
- ^C The categories—insertive anal sex, receptive anal sex, both insertive and receptive anal sex, and no anal sex—are mutually exclusive.
- d The participant's most recent sex partner was male and the participant reported neither insertive anal sex nor receptive anal sex with the sex partner during the 3 months before interview. Includes participants who had oral sex but not anal sex with the most recent sex partner during the 3 months before interview and those who last had sex more than 3 months before interview.
- e The participant did not use a condom during one or more of the times he had insertive anal sex with the most recent sex partner during the 3 months before interview.
- f The participant did not use a condom during one or more of the times he had receptive anal sex with the most recent sex partner during the 3 months before interview.
- ⁹ The participant did not use a condom during one or more of the times he had insertive anal sex or did not use a condom during one or more of the times he had receptive anal sex with the most recent sex partner during the 3 months before interview.
- h Participants with a valid negative NHBS HIV test result.
- Hispanics/Latinos can be of any race.
- Participants with a reactive rapid NHBS HIV test result supported by a second rapid test or supplemental laboratory-based testing.
- k Participants who did not have a valid positive or negative NHBS HIV test result, including those who did not consent to the HIV test, had an indeterminate laboratory result, discordant rapid test results, or reported a previous HIV-positive test result but had a negative NHBS HIV test result.

Table 8a. Receipt of HIV prevention in the 12 months before interview among men who have sex with men—National HIV Behavioral Surveillance, 23 U.S. cities, 2017

		Individual- or group-level										
	Free condoms ^a		intervention ^b		PrEP awareness ^c		PrEP use ^d					
	No.	%	No.	%	No.	%	No.	%	Total No.			
•												

HIV-negative^e

Age at interview (yr)

18-24

25-29

30-39

40-49

≥50

Race/ethnicity

American Indian/Alaska Native

Asian

Black/African American

Hispanic/Latino^f

Native Hawaiian/Other Pacific Islander

White

Multiple races

HIV-positive^g

Age at interview (yr)

18-24

25-29

30-39

40–49 ≥50

Race/ethnicity

American Indian/Alaska Native

Asian

Black/African American

Hispanic/Latinof

Native Hawaiian/Other Pacific Islander

White

Multiple races

No valid NHBS HIV test resulth

Tota

Abbreviations: PrEP; preexposure prophylaxis; NHBS, National HIV Behavioral Surveillance.

^a Excludes condoms received from friends, relatives, or sex partners.

b Individual-level intervention defined as a one-on-one conversation with an outreach worker, a counselor, or a prevention program worker about ways to prevent HIV. Group-level intervention defined as a small-group discussion that is part of an organized session about ways to prevent HIV; excludes informal discussions with friends. Conversations that were part of obtaining an HIV test were excluded.

^C Ever heard of PrEP, an antiretroviral medicine taken for months or years by a person who is HIV-negative to reduce the risk of getting HIV.

^d Took PrEP at any point during the 12 months before interview to reduce the risk of getting HIV.

e Participants with a valid negative NHBS HIV test result.

f Hispanics/Latinos can be of any race.

⁹ Participants with a reactive rapid NHBS HIV test result supported by a second rapid test or supplemental laboratory-based testing.

h Participants who did not have a valid positive or negative NHBS HIV test result, including those who did not consent to the HIV test, had an indeterminate laboratory result, discordant rapid test results, or reported a previous HIV-positive test result but had a negative NHBS HIV test result.

	-		Individual- o	r group-level	D.ED.	C	D.ED	d	
_	Free cor No.	ndoms ^a %	No.	ention ^s %	PrEP awa	%	PrEP No.	use ⁴	_ Total No
LIN/ manufication 6	NO.	/0	NO.	/0	NO.	/0	NO.	/0	TOTAL INO
HIV-negative ^e									
City									
Atlanta, GA									
Baltimore, MD									
Boston, MA									
Chicago, IL									
Dallas, TX									
Denver, CO									
Detroit, MI									
Houston, TX									
Los Angeles, CA									
Memphis, TN									
Miami, FL									
Nassau-Suffolk, NY									
New Orleans, LA									
New York City, NY									
Newark, NJ Philadelphia, PA									
Portland, OR									
San Diego, CA									
San Francisco, CA San Juan, PR									
Seattle, WA									
Virginia Beach, VA									
Washington, DC									
HIV-positive ^f									
City									
Atlanta, GA									
Baltimore, MD									
Boston, MA									
Chicago, IL									
Dallas, TX									
Denver, CO									
Detroit, MI									
Houston, TX									
Los Angeles, CA									
Memphis, TN									
Miami, FL									
Nassau-Suffolk, NY									

Portland, OR San Diego, CA

New Orleans, LA New York City, NY Newark, NJ Philadelphia, PA

San Francisco, CA

San Juan, PR

Seattle, WA

Virginia Beach, VA

Washington, DC

Abbreviations: PrEP; preexposure prophylaxis; NHBS, National HIV Behavioral Surveillance.

^a Excludes condoms received from friends, relatives, or sex partners.

b Individual-level intervention defined as a one-on-one conversation with an outreach worker, a counselor, or a prevention program worker about ways to prevent HIV. Group-level intervention defined as a small-group discussion that is part of an organized session about ways to prevent HIV; excludes informal discussions with friends. Conversations that were part of obtaining an HIV test were excluded.

^C Ever heard of PrEP, an antiretroviral medicine taken for months or years by a person who is HIV-negative to reduce the risk of getting HIV.

 $^{^{}m d}$ Took PrEP at any point during the 12 months before interview to reduce the risk of getting HIV.

e Participants with a valid negative NHBS HIV test result.

f Participants with a reactive rapid NHBS HIV test result supported by a second rapid test or supplemental laboratory-based testing.

Table 9. Diagnosis of sexually transmitted infections among men who have sex with men—National HIV Behavioral Surveillance, 23 U.S. cities, 2017

	Diagnosis during the 12 months before interview									Diagnosis, ever			
Any bact	erial STI ^a	Chlamydia		nlamydia Gonorrhea		Syp	hilis	Genita	l warts	Genital	herpes	_	
No.	%	No. %		No.	%	No.	%	No.	%	No.	%	Total No.	

HIV-negative^b

Age at interview (yr)

18-24

25-29

30-39

40-49

≥50

Race/ethnicity

American Indian/Alaska Native

Asian

Black/African American

Hispanic/Latino^c

Native Hawaiian/Other Pacific Islander

White

Multiple races

HIV-positive^d

Age at interview (yr)

18–24

25-29

30-39

40-49

≥50

Race/ethnicity

American Indian/Alaska Native

Asian

Black/African American

Hispanic/Latino^c

Native Hawaiian/Other Pacific Islander

White

Multiple races

No valid NHBS HIV test result^e

Total

Abbreviations: STI, sexually transmitted infection; NHBS, National HIV Behavioral Surveillance.

- ^a Any bacterial STI includes having received a diagnosis of gonorrhea, chlamydia, or syphilis in the 12 months before interview.
- ^b Participants with a valid negative NHBS HIV test result.
- ^C Hispanics/Latinos can be of any race.
- ^d Participants with a reactive rapid NHBS HIV test result supported by a second rapid test or supplemental laboratory-based testing.
- e Participants who did not have a valid positive or negative NHBS HIV test result, including those who did not consent to the HIV test, had an indeterminate laboratory test, discordant rapid test results, or reported a previous HIV-positive test result but had a negative NHBS HIV test result.

Table 10. Drug use in the 12 months before interview and binge drinking in the 30 days before interview among men who have sex with men—National HIV Behavioral Surveillance, 23 U.S. cities, 2017

Used	drug	_
No.	%	_

HIV-negative^a

Binge drinking (past 30 days)b

Any injection drugs

Any noninjection drugs (excludes binge drinking)

Cocaine

Crack

Downer^c

Ecstasy

Heroin

Marijuana

Methamphetamine

Prescription opioids^d

HIV-positive^e

Binge drinking (past 30 days)b

Any injection drugs

Any noninjection drugs (excludes binge drinking)

Cocaine

Crack

Downer^c

Ecstasy

Heroin

Marijuana

Methamphetamine

Prescription opioids^d

No valid NHBS HIV test result^f

Binge drinking (past 30 days)b

Any injection drugs

Any noninjection drugs (excludes binge drinking)

Cocaine

Crack

Downer^c

Ecstasy

Heroin

Marijuana

Methamphetamine

Prescription opioids^d

Disclaimer: The use of trade names is for identification only and does not imply endorsement by the Department of Health and Human Services or the Centers for Disease Control and Prevention.

Abbreviation: NHBS, National HIV Behavioral Surveillance.

Note. Denominator is the total number of participants in the category; HIV-negative participants: n = 7,125; HIV-positive participants: n = 2,174; participants without a valid NHBS HIV test result: n = 805. Responses are not mutually exclusive; percentages may not add to 100.

^a Participants with a valid negative NHBS HIV test result.

^b Defined as 5 or more drinks at one sitting during the 30 days before interview.

^C Such as Klonopin, Valium, Ativan, or Xanax.

^d Such as OxyContin, Vicodin, morphine, or Percocet.

^e Participants with a reactive rapid NHBS HIV test result supported by a second rapid test or supplemental laboratory-based testing.

f Participants who did not have a valid positive or negative NHBS HIV test result, including those who did not consent to the HIV test, had an indeterminate laboratory result, discordant rapid test results, or reported a previous HIV-positive test result but had a negative NHBS HIV test result.

Table 11. Additional outcomes among men who have sex with men—National HIV Behavioral Surveillance, 23 U.S. cities, 2017

Number of male sex partners	Exchan	ge sex ^a	HIV-discorda	Condomless sex with an HIV-discordant partner at last sex ^b	
Median (Q1-Q3)	No.	%	No.	%	Total No.

HIV-negative^c

Age at interview (yr)

18-24

25–29

30–39

40-49

≥50

Race/ethnicity

American Indian/Alaska Native

Asian

Black/African American

Hispanic/Latino^d

Native Hawaiian/Other Pacific Islander

White

Multiple races

HIV-positive^e

Age at interview (yr)

18-24

25-29

30-39

40–49

≥50

Race/ethnicity

American Indian/Alaska Native

Asian

Black/African American

Hispanic/Latino^d

Native Hawaiian/Other Pacific Islander

White

Multiple races

No valid NHBS HIV test result

Total

Abbreviations: Q, quartile; NHBS, National HIV Behavioral Surveillance.

Note. Unless otherwise stated, outcomes are reported for the 12 months before interview.

- ^a "Exchange sex" refers to giving or receiving money or drugs from a male casual partner in exchange for sex.
- b "Condomless sex" refers to whether the participant reported engaging in vaginal or anal sex without a condom during his most recent sexual encounter. "HIV-discordant partner" refers to a sex partner of different or unknown HIV status.
- ^c Participants with a valid negative NHBS HIV test result.
- ^d Hispanics/Latinos can be of any race.
- e Participants with a reactive rapid NHBS HIV test result supported by a second rapid test or supplemental laboratory-based testing.
- f Participants who did not have a valid positive or negative NHBS HIV test result, including those who did not consent to the HIV test, had an indeterminate laboratory result, discordant rapid test results, or reported a previous HIV-positive test result but had a negative NHBS HIV test result.

Table 12. Receipt of HIV care and treatment among self-reported HIV-positive men who have sex with men—National HIV Behavioral Surveillance, 23 U.S. cities, 2017

Visited health care provider about HIV								
Ever		Within a month after diagnosis		During past 6 months		Currently taking antiretrovirals		_
No.	%	No.	%	No.	%	No.	%	Total No.

18-24

25-29

30–39

40–49

≥50

Race/ethnicity

American Indian/Alaska Native

Asian

Black/African American

Hispanic/Latino^a

Native Hawaiian/

Other Pacific Islander

White

Multiple races

City

Atlanta, GA

Baltimore, MD

Boston, MA

Chicago, IL

Dallas, TX

Denver, CO

Detroit, MI

Houston, TX

Los Angeles, CA

Memphis, TN

Miami, FL

Nassau-Suffolk, NY

New Orleans, LA

New York City, NY

Newark, NJ

Philadelphia, PA

Portland, OR

San Diego, CA

San Francisco, CA

San Juan, PR

Seattle, WA

Virginia Beach, VA

Washington, DC

Total

Abbreviation: NHBS, National HIV Behavioral Surveillance (footnotes only).

Note. Data include all participants who reported having ever received an HIV-positive test result (which may include those who did not have a valid test result, positive or negative, or who did not consent to the HIV test). "Past 6 months" refers to the 6 months before interview.

^a Hispanics/Latinos can be of any race.