

HIV/AIDS IN NEW YORK CITY

RESEARCH SUMMARY, 2004



HIV Epidemiology Program
New York City Department of Health
and Mental Hygiene
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<http://www.nyc.gov/html/doh/html/dires/hivepi.shtml>

2004 HIV Risk Behavior Surveys

- National HIV Behavioral Surveillance (NHBS-MSM)
 - 503 Men who have Sex with Men (MSM) sampled
 - Public venues attended by MSM (bars, clubs, etc.)
- House Ball Survey (HBS)
 - 504 sampled (319 MSM)
 - New York City House Ball community
- Computer Assisted Behavior Survey (CABS)
 - 1106 HIV+ sampled (137 MSM)
 - HIV primary care clinics

CABS Methods

- Cross-sectional survey measuring self-reported sexual and drug related risk behaviors and medication adherence.
- Anonymous, 20-30 minute self-administered computer-assisted survey.
- Eligibility criteria: 18 years or older and on antiretroviral therapy .
- Of the 1106 patients recruited, 764 (69%) were sexually active in the past 12 months.

Demographics (%)

	TOTAL (N=1,106)
Gender (%)	
Male	55
Female	43
TG/Other	2
Race/Ethnicity (%)	
White	4
Black	41
Hispanic	36
Other/Unknown	20
Age (%) Median age: 46 years	
18 - 29	2
30 - 34	6
35 - 39	13
40 - 44	24
45 - 49	24
50 - 54	13
55+	13

	TOTAL (N=1,106)
Education Level (%)	
College Grad	8
Some College	19
H.S. Grad/GED	33
Some H.S.	27
Less Than H.S.	12
Refuse/DK	<1
Sexual Orientation (%)	
Heterosexual	74
Homosexual	12
Bisexual	8
Other	5
Refuse/DK	1

Sexual Risk Behaviors Among Sexually Active in Past 12 months (%)

	MSM	MSW	WSM
Unprotected Sex (anal/vaginal)	37	38	47
Number of Partners			
1-5 partners	82	86	94
>5 partners	18	14	6
Exchange for Sex	12	9	4
STD Diagnosis	16	8	8
Total (n)	137	341	307

Drug Use Among Sexually Active in Past 12 months (%)

	Men having sex with men (n=137)	Men having sex with women (n=341)	Women having sex with men (n=307)	TOTAL (N=752)
Injection Drug Use				
Ever Injected	12	48	24	32
Injected within past 12 months	5	9	4	6
Non-Injection Drugs used				
Non-Injection Drugs used	33	27	19	24
Non-Injection Drugs used during sex	20	16	10	15

Types of Non-Injection Drugs Used During Sex in Past 12 months (%)

	Men having sex with men (n=137)	Men having sex with women (n=341)	Women having sex with men (n=307)	TOTAL (N=752)
Marijuana	10	6	5	7
Crack	9	9	5	7
Cocaine	4	4	1	3
Heroin	0.7	6	2	3
Poppers	6	0.3	0	1
Pain Killers	1	1	1	1
Downers	0.7	1	0.3	0.7
Crystal	3	0	0	0.5
Ecstasy	2	0	0	0.4
Club Drugs	1	0	0	0.3
Amphetamines	0	0	0.3	0.1

NHBS-MSM Methods

- Cross-sectional, anonymous survey measuring risk behaviors and HIV prevalence among MSM, administered in a mobile van.
- Multi-site survey of MSM who attend public venues i.e. bars, dance clubs, business establishments, street locations, etc.
- Eligibility criteria: 18 years or older male resident of NYC metropolitan area.
- Of the 556 participants interviewed, 503 were sexually active MSM of whom 347 (69%) consented to an HIV test.

Demographics (n=503)

	%
<u>Age</u>	
18-24	30
25-29	21
30-34	17
35-39	15
40+	17
<u>Race/ethnicity</u>	
White	40
Hispanic	27
Black	23
API	4
Native American	1
Other/Unknown	5

	%
<u>Education</u>	
< High school	8
High school grad.	18
Some college	26
≥ College grad.	48
<u>Living situation</u>	
Rent house or apt.	65
Live with someone, no pay	13
Live with someone, pay	12
Own house	8
Other	3

HIV Prevalence - Demographics

	Total Tested (N)	HIV+ (%)	HIV+ Unaware of Infection (%)
TOTAL	347	18	52
Age			
18 - 24	106	9*	70
25+	241	22	48
Race/Ethnicity			
White	136	14*	37
Black	78	36	64
Hispanic	97	14	57
Other	36	8	0

*p< 0.001

Sexual Behaviors in Past 12 Months (n=503)

	%
> 5 Male Partners	46
Sex with Female	16
Exchange Sex for Money/Drugs	9
Unprotected Anal Intercourse (UAI)	53
STD Diagnosis	10

Nearly 50% of participants have had >5 male partners or engaged in UAI in the past 12 months.

Sexual Behaviors in Past 12 Months by Race/Ethnicity (n=503)

	Black (n=117) %	White (n=199) %	Latino (n=138) %
> 5 Male Partners*	38	57	36
Sex with Female*	29	5	23
Exchange Sex for Money/Drugs	9	6	12
UAI	44	58	55
STD Diagnosis	11	12	9

* P < 0.001

Substance-Use Behaviors in Past 12 Months (n=503)

	%
Ever Injection Drug Use	4
Recent Injection Drug Use	1
Non-Injection Drug Use	61
Non-Injection Drug Use during Sex	48

Non-Injection Drug Use in Past 12 Months (n=503)

	% used	% used during sex*
Poppers	23	91
Amphetamines	14	71
Marijuana	51	67
Heroin	1	57
Crack	4	53
Cocaine	32	52
Ecstasy	21	51
Club Drugs	8	39
Hallucinogens	3	31
Downers	10	23
Pain Killers	6	16

**Proportions among those who used specific drug*

HBS Methods

- Venue-based cross-sectional survey to measure HIV prevalence and risk behaviors of the NYC House Ball community
- Programmatic design and outreach elements were developed using a community-based participatory research approach.
- Participants were approached at balls, house meetings, bars, dance clubs, streets, and other programmatic outreach events and consented to an interviewer-administered computerized survey, pre and post counseling and testing for HIV.
- Eligibility criteria: 15 years or older resident of NYC metropolitan area and a House Ball community member
- Of the 503 study participants consisting of males, females and self-identified transgenders, the analyses focus on those having had at least one male partner in the past 12 months (n=431).

Demographics

	Male (N=319) %	Female (n=36) %	Transgender (N=75) %	Total (N=431)¹ %
Age				
15-19	33	28	27	32
20-29	48	58	64	52
30-39	15	11	5	12
40 +	4	3	4	4
Race/Ethnicity				
White	3	3	3	3
Black	52	50	57	52
Hispanic	44	44	39	43
Other	2	3	1	2

¹*One self-identified other gender was not listed in the table*

Sexual Behaviors in Past 12 Months

	Male (n=319) %	Female (n=36) %	Transgender (n=75) %	Total (N=431) ¹ %
# Male Partners				
1 - 5	73	97	53	72
> 5 *	27	3	47	28
Sex with Female *				
	13	39	16	16
Exchange Sex for Money/Drug/Shelter *				
	6	3	32	10
Unprotected Sex (anal/vaginal)				
	45	72	37	46
STD Diagnosis				
	7	6	9	7

¹One self-identified other gender was not listed in the table

*p < 0.001

Substance-Use Behaviors in Past 12 Months

	Male (n=319) %	Female (n=36) %	Transgender (n=75) %	Total (N=431)¹ %
Used Non-Injected Drugs in Past 12 Months	41	36	45	41
Marijuana	40	33	43	40
Ecstasy	12	3	10	12
Crystal	6	3	4	6
Ever Injected Drugs	3	0	1	2
Had >5 Drinks a Day in Past Month	38	42	28	37

¹*One self-identified other gender was not listed in the table*

HIV Testing History

	Male (n=319) %	Female (n=36) %	Transgender (n=75) %	Total (N=431)¹ %
<i>Ever Tested</i>				
Yes	87	83	92	87
No	13	17	8	13
<i>Tested in Past 12 Months</i>				
Yes	60	53	67	60
No/Refused/Uk	40	47	33	40
<i>Self-Reported HIV Status</i>				
Positive	5	0	7	5
Negative	74	83	77	75
Refused/Unknown	21	17	16	20

¹*One self-identified other gender was not listed in the table*

HIV Prevalence - Demographics

	Total Tested (N)	HIV+ (%)	% HIV+ Unaware of Infection
Total	428	77 (18)	57 (74)
<i>Gender</i>			
Male	317	64 (20)	48 (75)
Female	35	0 (0)	0 (0)
Transgender	75	13 (17)	9 (69)
<i>Age</i>			
15 - 19	137	14 (10)	11 (79)
20 - 29	220	32 (15)	23 (72)
30 - 39	54	20 (37)	16 (80)
40 +	17	11 (65)	7 (64)
<i>Race/Ethnicity</i>			
Black	224	62 (28)	52 (84)
Hispanic	185	13 (7)	4 (31)
White/Other	19	2 (10)	1 (50)

MSM Demographics (%)

	CABS (n=137)	HBS (n=319)	NHBS-MSM (n=504)
Age			
<25	<1	70	30
25 – 29	2	12	21
30 – 34	6	8	17
35 – 39	13	6	15
40+	79	4	17
Race			
White	4	3	40
Latino	36	44	27
Black	41	52	23
Asian/PI	<1	1	4
Other/Uk	19	1	5

HIV Prevalence Among MSM by Age, Race

	HBS % (n tested)	NHBS-MSM % (n tested)
Age		
<25	13 (220)	9 (106)
25 – 29	16 (38)	12 (76)
30 – 34	33 (27)	22 (64)
35 – 39	53 (19)	39 (44)
40+	77 (13)	25 (57)
Race		
White	0 (7)	14 (136)
Latino	7 (139)	14 (97)
Black	32 (164)	36 (78)
Asian/PI	0 (4)	0 (16)
Other/Uk	33 (3)	19 (16)
Total	20% (317)	18% (347)

HIV Testing History of MSM (%)

	HBS	NHBS-MSM
HIV Prevalence	20	18
Ever Tested	87	91
Test past year	60	60
Self reported +	5	10
Total (n)	319	503

Sexual Risk Behaviors Among MSM in Past 12 Months (%)

	CABS	HBS	NHBS-MSM
Unprotected Anal Intercourse (UAI)	41	30	53
Multiple Partners			
1-5 partners	78	70	54
>5 partners	22	30	46
Exchange for Sex	12	6	9
STD Diagnosis	16	20	10
Total (n)	137	319	503

Non-Injection Drug Use Among MSM in Past 12 Months by Age, Race

	CABS % (n)	HBS % (n)	NHBS-MSM % (n)
Age			
<25	– (0)	43 (222)	60 (151)
25 – 29	50 (8)	47 (38)	62 (106)
30 – 34	39 (18)	37 (27)	65 (86)
35 – 39	48 (23)	32 (19)	67 (77)
40+	22 (88)	0 (13)	52 (83)
Race			
White	27 (11)	25 (8)	67 (199)
Latino	33 (54)	47 (139)	59 (138)
Black	30 (50)	37 (165)	54 (117)
Asian/PI	– (0)	25 (4)	59 (22)
Other/Unk	50 (2)	33 (3)	63 (27)
Total	30% (137)	41% (319)	60% (503)

Non-Injection Drug Use Among MSM in Past 12 Months (%)

	CABS	HBS	NHBS-MSM
Marijuana	18	40	51
Cocaine	9	10	32
Ecstasy	4	13	21
Poppers	6	3	23
Amphetamines*	4	8	14
Crack	9	1	4
Total (n)	137	319	503

*Includes crystal meth

Amphetamine (Crystal) Use Among MSM in Past 12 Months by Age, Race (%)

	CABS	HBS	NHBS-MSM
Age			
<25	0	4	7
25 – 29	13	21	17
30 – 34	0	15	17
35 – 39	9	0	18
40+	2	0	13
Race			
White	9	25	17
Latino	4	9	13
Black	4	3	7
Asian/PI	0	25	9
Other/Uk	0	0	0
Total %(n)	4% (137)	8% (319)	14% (503)