

Methamphetamine Use and HIV Risk Among MSM in Broward and Miami-Dade Counties

preliminary results

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Assessing Characteristics of population X In ON-going surveillance



ACXION

Interviewing Van



NHBS-MSM Update

Broward:

- Started: January 2004
- Ended: June 2004
- 747 completed surveys
 - ◆ 698 MSM

Miami-Dade

- Started: July 2004
- Blood collection started: December 2004
- Ended: April 2005
- 1,015 completed surveys
 - ◆ 842 MSM
- 312 completed surveys with blood
 - ◆ 258 MSM

Definition of MSM: Self-reported
oral or anal sex with a man in the past
12 months

Venues Sampled

We sampled a total of 50 venues in Broward and
46 venues in Miami-Dade

	Broward County		Miami-Dade County		Total
B-Bars	14	28%	10	21.7%	24
C-Café/Restaurant	7	14%	1	2.2%	8
D-Dance Club	1	2%	7	15.2%	8
F-Fitness	2	4%	4	8.7%	6
O-Social Organizations	4	8%	1	2.2%	5
P-Parks	5	10%	4	8.7%	9
R-Retail	8	16%	7	15.2%	15
S-Street	2	4%	9	19.6%	11
X-Sex	0	0%	2	4.3%	2
Z-Other	7	14%	1	2.2%	8

Sample Size

- Total MSM sample $N = 1540$
- Local Question: How often have you used crystal methamphetamine (Tina, crystal, crank) in the last 12 months?
- Total meth sample $N = 1040$
 - ◆ Non-meth users $n = 861$ (82.8%)
 - ◆ Meth users $n = 179$ (17.2%)

Demographic Characteristics

	Non-Meth Users	Meth Users
	(861)	(179)
Age (mean)	35.3	35.1
Race		
White	39.4	40.8
Black	13.1	7.3
Hispanic	42.0	45.8
Other	5.5	6.1

Total Meth Sample N = 1040

Demographic Characteristics

	Non-Meth Users	Meth Users
	(861)	(179)
Less than High School	7.1	6.2
High School or GED	17.2	14.0
Some College	30.4	28.5
College Graduate	35.3	38.6
Post Graduate	10.0	12.9

Total Meth Sample N = 1040

Depression

	Non-Meth Users	Meth Users
No	(861) 70.0	(179) 62.6
Yes	30.0	37.4

(CES-D 10 Scale)

P-value .0499

Total Meth Sample N = 1040

HIV Sero Status – Self Report

	Non-Meth Users	Meth Users
	(803)	(176)
Seropositive	14.0	30.1
Seronegative	82.9	67.1
Unknown	3.1	2.8

P-value < .0001

Miami Surveys with HIV Testing

	Non-Meth Users	Meth Users
	(186)	(50)
HIV Positive	17.7	30.0
HIV Negative	82.3	70.0

Total Miami Surveys with HIV
Testing N = 223

Number of Male Sexual Partners in Past 12 Months

*Includes main and non-main partners

	Non-Meth Users	Meth Users
	(861)	(179)
1	21.2	6.2
2-5	38.3	21.2
6-10	17.3	18.4
>10	23.2	54.2

P-value < .0001

Total Meth Sample N = 1040

Unprotected Anal Sex with Male in Past 12 Months

	Non-Meth Users	Meth Users
	(818)	(178)
No	24.0	7.3
Yes	76.0	92.7

*Includes main and non-main partners; receptive and insertive anal sex

P-value < .0001

Knowledge of Sex Partner's HIV Status (at last sex)

	Non-Meth Users	Meth Users
Main Partner	(562)	(118)
No	15.8	14.4
Yes	84.2	85.6
Non-Main Partner	(635)	(160)
No	67.2	60.6
Yes	32.8	39.4

Prevalence of Sexual Risk Behavior with Most Recent Main Partner

	Non-Meth Users	Meth Users
	(861)	(179)
Unprotected Anal Sex	23.5	29.1
Insertive	16.0	21.8
Receptive	13.2	15.6

Total Meth Sample N = 1040

Prevalence of Sexual Risk Behavior with Most Recent Non-Main Partner

Unprotected Insertive Anal Sex	Non-Meth Users	Meth Users
	(861)	(179)
All Participants	5.9	14.0
	(803)	(176)
Self Reported HIV-Negative	4.6	6.3
Self Reported HIV-Positive	0.6	7.4
Unknown	0.1	0.6

Total Meth Sample N = 1040

Prevalence of Sexual Risk Behavior with Most Recent Non-Main Partner

- All participants reporting insertive UAI:

P-value .0002

- Meth users were more likely to report insertive UAI than non-meth users

Prevalence of Sexual Risk Behavior with Most Recent Non-Main Partner

Unprotected Receptive Anal Sex	Non-Meth Users	Meth Users
	(861)	(179)
All Participants	3.7	11.7
	(803)	(176)
Self Reported HIV-Negative	2.2	2.8
Self Reported HIV-Positive	1.3	9.1
Unknown	0.6	0.0

Total Meth Sample N = 1040

Prevalence of Sexual Risk Behavior with Most Recent Non-Main Partner

- All participants reporting receptive UAI: P-value < .0001
- Meth users were more likely to report receptive UAI than non-meth users

Used Internet to Find Sexual Partners

	Non-Meth Users	Meth Users
No	(604) 63.7	(144) 38.9
Yes	36.3	61.1

P-value < .0001

Use of Viagra or Levitra in Past 12 Months

	Non-Meth Users	Meth Users
No	(365) 74.5	(173) 43.3
Yes	25.5	56.7

P-value < .0001

Meth Users in Broward and Miami-Dade Counties Were More Likely to:

- Self report as HIV positive
- Have multiple male partners (more than 10)
- Report having had unprotected anal sex - insertive and receptive
- Report using the Internet to find sexual partners
- Report using Viagra or Levitra

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