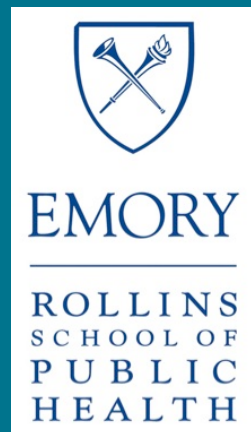


So how MANY South African men have sex with men?

Consensual MSM sex and male-male sexual assault
in a population-based household survey

*Kristin Dunkle, Rachel Jewkes, Daniel Murdock,
Yandisa Sikweyiya and Robert Morrell*



Anova TOP₂BTM

April 7, 2011

How many MSM are there in South Africa?

- **First of all, what do we mean by “MSM”?**
 - Men who have engaged in sexual acts with other men
- **Who do we include?**
 - What acts: Anal? Oral? Thigh? Masturbation?
 - Ever done it? Still doing it? Might do it in future?
 - Influenced or forced by circumstance?
 - Chosen? Coerced? Victims or perpetrators of violent acts?
- Consider also relationships between behavior and...
 - Same-sex sexual attraction
 - Gender identity and self-presentation
 - Identity: straight, gay, bi, trans, queer, moffie, after 9, etc
- **There are *many different* answers and *no right* answer**
- **Just be sure you know *which* answer you are using when**

Men's Health Household Survey *aka the MRC Rape Study*

- Cross-sectional population-based household survey
 - 222 enumeration areas
 - 20 households per ea
 - one man aged 18-49 years per household
- Survey data collected using APDAs
- HIV status assessed using dried blood spots
- Completed interviews in 1,738 of 2,298 (75.6%) of the enumerated and eligible households
- 70.7% provided blood for HIV testing

How did we ask about male-male sex?

- Have you ever had sex or done something sexual with a man? By sex we mean:
 - **Anal sex:** where a man sticks his penis in another man's anus
 - **Oral sex:** when a man sticks his penis in another man's mouth.
 - **Masturbation:** when one or both men play with each others sex organs
 - **Thigh sex:** when a man has sex by putting his penis between another man's closed thighs

Which of the following acts have you done with a man because you wanted to?

Sex Act	%	95% CI
Mutual Masturbation	2.8	2.1-3.7
Thigh Sex	1.8	1.3-2.5
Oral Sex	1.7	1.2-2.5
Anal Sex	1.8	1.3-2.5
Unspecified	1.7	1.2-2.4
Any sex acts	5.4	4.4-6.6
Any oral/anal	2.6	1.9-3.5

Demographics of MSM vs Non-MSM

	MSM	95% CI	Non-MSM	95% CI	P
Race					
Black	86.2	(77.7- 97.8)	84.9	(80.1 - 88.7)	0.74
Non-Black	13.8	(8.2 - 22.3)	15.2	(11.3 - 19.9)	
Age Group					
18-24	47.9	(37.30- 58.6)	51.9	(48.8 - 55.0)	0.68
25-34	35.1	(25.3 - 46.4)	30.7	(28.2 - 33.4)	
35+	17.0	(10.8 - 25.7)	17.4	(15.2 - 19.8)	
Matric+	36.3	(26.9 - 46.7)	40.8	(37.8 - 43.9)	0.03
HH Food Insecurity	63.5	(52.6 - 73.2)	51.1	(48.0- 54.2)	0.03
HH SES Score (range: 6-19)	11.6	(11.1 - 12.2)	12.6	(12.5- 12.8)	0.001

What gender attracts you sexually?

	MSM	95% CI	No MSM	95% CI	P
Women	64.9	(54.8 – 73.8)	87.4	(85.7 – 89.1)	>0.001
Men	14.9	(9.3 – 23.0)	4.4	(3.4 – 5.7)	“ “
Both	6.4	(3.0 – 13.0)	2.4	(1.8 – 3.3)	“ “
Not sure	13.8	(8.3 – 22.2)	5.8	(4.6 – 7.1)	“ “

Sex, Family and Relationships: MSM vs Non-MSM

	MSM	95% CI	Non-MSM	95% CI	P
Ever sex with a woman	98.9	(92.7 – 99.9)	95.3	(94.0 – 96.3)	0.10
Ever married a woman	18.0	(9.6 – 31.3)	14.0	(11.93– 16.4)	0.43
Fathered children	54.8	(44.0 – 65.3)	45.3	(42.6 – 48.1)	0.09
Current female partner	76.3	(66.4 – 84.0)	76.9	(74.1 – 79.4)	0.91
Current male partner	28.6	(20.6 – 38.2)	N/A	N/A	N/A
Both male & female partners	19.15	(12.39 – 28.40)	N/A	N/A	N/A

Note: About 2/3 of men reporting a regular male partner also reported a regular female partner

Experience and Perpetration of Male-on-male Sexual Assault

- Did a man ever persuade or force you to have sex when you did NOT want to?
- Which of the following acts took place with a man when you did not want to?
 - Masturbation
 - Oral
 - Thigh
 - Anal
- Have you ever done anything sexual with a boy or man when he didn't consent or you forced him?
- Have you ever done anything sexual with a boy or man where you put your penis in his mouth or anus when he didn't consent or you forced him?

Experience and Perpetration of Sexual Violence

Among all men	%	95% CI
Any male-male victimization	9.6	8.2-11.3
Oral/anal victimization	3.4	2.7-4.3
Any male-male perpetration	3.0	2.2-4.0
Oral/anal perpetration	1.9	1.3-2.7

	MSM	95% CI	Non-MSM	95% CI	p
Any victimization	34.4	25.5-44.7	8.1	6.8-9.6	<.0001
O/A victimization	22.2	14.9-31.8	2.3	1.7-3.2	<.0001
Any perpetration	10.0	5.5-17.6	2.6	1.9-3.5	<.0001
O/A Perpetration	8.9	4.7-16.3	1.4	0.9-2.2	<.0001

Any male-male Contact Among Men with HIV Test Results

85.0% No MSM
16.9% HIV+

3.8% Consensual
26.5% HIV+

1.4% Cons + Vic
22.2% HIV+

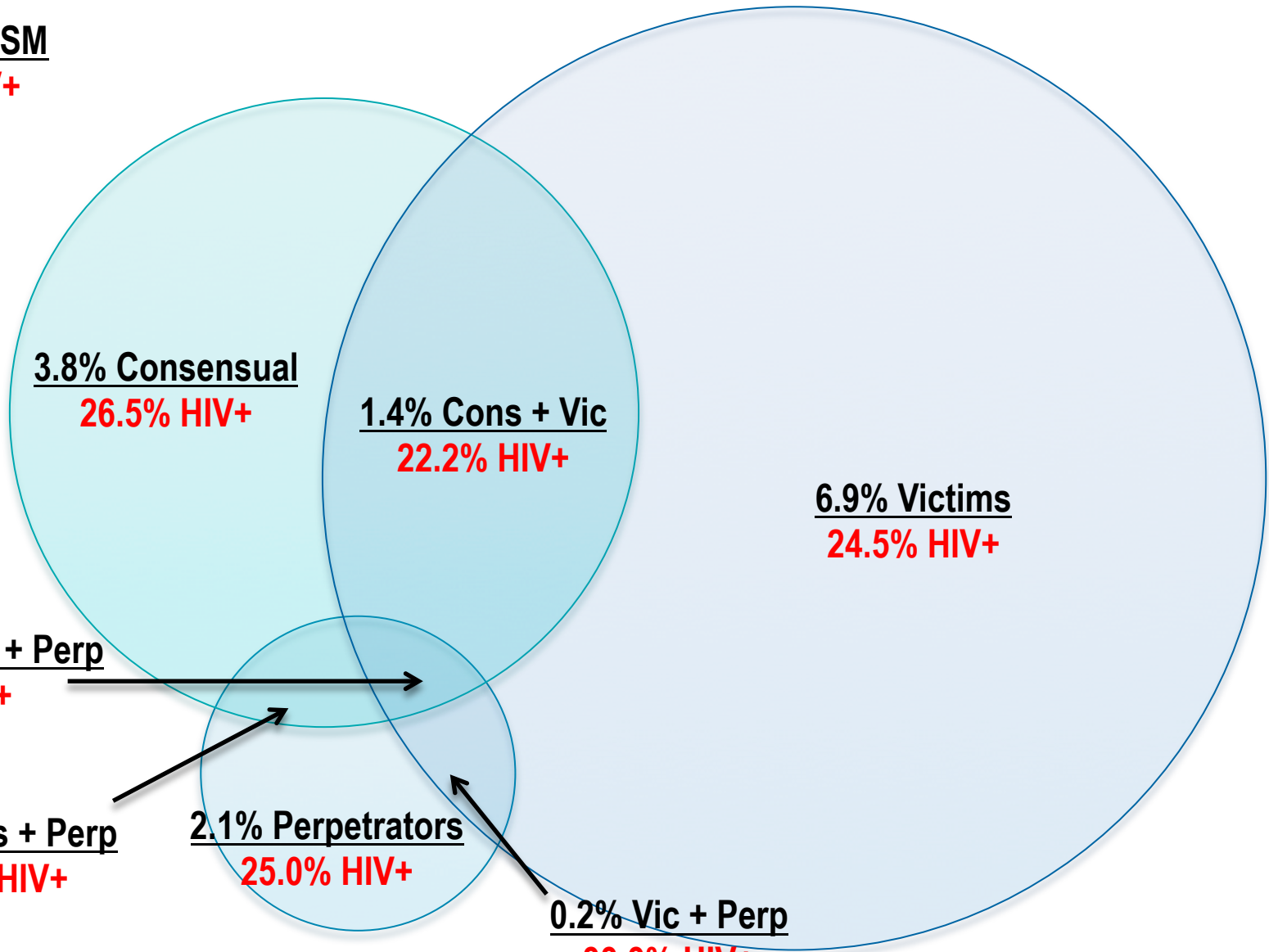
6.9% Victims
24.5% HIV+

0.4% Cons + Vic + Perp
20.0% HIV+

0.2% Cons + Perp
50.0% HIV+

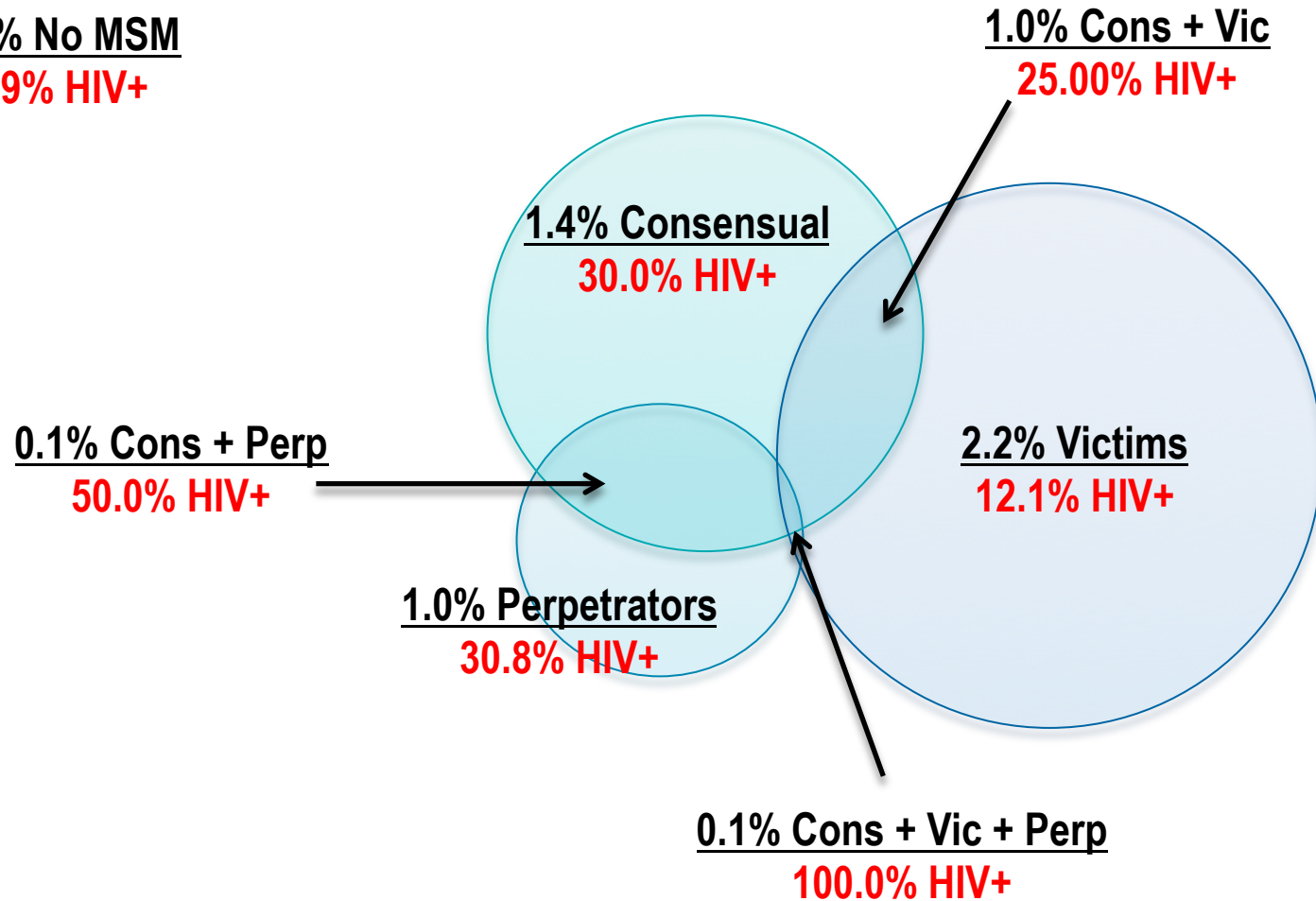
2.1% Perpetrators
25.0% HIV+

0.2% Vic + Perp
33.3% HIV+



Any Oral/Anal Contact Among Men with HIV Test Results

94.2% No MSM
17.9% HIV+



* $n_{\text{perp} + \text{vic}} = 0$

MSM Experience and HIV Status

Type of MSM contact	aOR	95% CI
Consensual oral/anal contact	2.47	1.02 – 5.99
Oral / anal victimization	0.82	0.36 – 1.83
Oral/anal perpetration	3.48	1.53 – 7.96

aORs also adjusted for age, race, and circumcision

Key take home messages

- In this population based household survey:
 - 1 in 20 South African men reported at least one consenting experience with another man
 - 1 in 10 South African men reported being sexually assaulted by another man
 - 3% of South African men report sexually assaulting another man
- Men who report consenting oral or anal sex with men with are more likely to be HIV aOR = 2.47 (1.02 – 5.99)
- Men who report raping another man are more likely to be HIV aOR = 3.48 (1.53 – 7.96)

Preliminary Recommendations

- For service providers
 - Many men who have sex with men also have sex with women
→ some men who have sex with women also have sex with men
 - NEVER assume only female OR only male partners
 - Be alert for the possibility of sexual assault history among ALL male patients
- For surveillance and research
 - Collecting data on same-sex activity in general surveys using anonymous reporting is highly feasible in SA
 - We need to mainstream both queries about same-sex sexual contact and all types of forced sex in surveys
 - We need to better understand male-female sexual concurrency among South African men
 - We MUST add male-male sexual assault to the sexual health research agenda