Interpersonal And Structural Factors Of Non-condom Use With Intimate Partners Among Sex Workers In Conflict-affected Northern Uganda

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Introduction and Objectives

- Women sex workers (SWs) in sub-Saharan Africa have among the highest HIV burden, and similar pregnancy intentions to the general population of women of reproductive age.
- Yet, we know less about male condom use with intimate non-paying partners than with clients.
- Understanding the social and structural contexts of non-condom use in intimate partnerships is critical given shared pathways for HIV and pregnancy, particularly in the absence of other biomedical interventions (e.g. antiretroviral therapy, and hormonal contraceptives).



Methods

- Community-based project in partnership with The AIDS Support Organization (TASO) Gulu, SWs, and other community organizations.
- Conducted interview-administered questionnaires embedded in SW/ peer-led outreach to bars, hotels, and truck stops across Gulu, and voluntary HIV testing with 400 women SWs between 2011 and 2012.
- Multivariable logistic regression was used to examine factors associated with non-condom use at last sex with SWs' main/most recent intimate partner.

Results

- Of the 379 women SWs with an intimate partner:
 - Reported non-condom use at last sex with their most recent intimate partner = 150 (39.6%)
 - Median age = 21 years (IQR= 19.0 26.0)
 - Completed less than primary education = 63.3%
 - Living with HIV = 32.5%
 - Were mothers supporting one or more children = 69.9%
- In multivariable analysis, the following were independently associated with non-condom use with intimate partners:
 - Having low sexual relationship power (AOR 3.40, 95% CI 1.05 - 2.68)
 - Harassment by agents of the state (police or military) (AOR 1.96, 95% CI 1.23 - 3.15)
 - Hormonal contraceptive use

(AOR 1.68, 95% CI 1.77 - 6.53)

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TABLE 1. Sample characteristics and bivariate associations (unadjusted odds ratios [OR]) and 95% confidence intervals (CIs) for the associations between individual, interpersonal and structural factors and inconsistent condom use with intimate partners of female sex workers in Gulu, Northern Uganda (2011-2012)

Variable	Total (%)	Inconsistent condom use last sex, with main/most recent intimate partner		p - value
	(n = 379)	Yes (39.6%) (n = 150)	No (60.4%) (n = 229)	
Individual, Behavioural, and	Biological Facto	ors		
Age (at baseline) med (IQR)	21.0 (19.0 – 25.0)	21.0 (19.0 – 26.0)	21.0 (19.0 - 25.0)	0.559
Tribe: Luo/Acholi	354 (93.4)	143 (95.3)	211 (92.1)	0.226
Tribe: All others	25 (6.6)	7 (4.7)	18 (7.9)	
Religion: Catholic	294 (77.6)	115 (76.7)	179 (78.2)	0.732
Religion: Not Catholic	85 (22.4)	35 (23.3)	50 (21.8)	
Marital status: Married/ Cohabitating	2 (0.5)	1 (0.7)	1 (0.4)	0.764
Marital status: Single/widowed	377 (99.5)	149 (99.3)	228 (99.6)	
Education: Less than primary	240 (63.3)	91 (60.7)	149 (65.1)	0.385
Education: Completed primary	139 (36.7)	59 (39.3)	80 (34.9)	
Single Mother	265 (69.9)	109 (72.7)	156 (68.1)	0.587
Not a single mother	100 (26.4)	38 (25.3)	62 (27.1)	
Living with HIV	123 (32.5)	56 (37.3)	67 (29.3)	0.120
Not living with HIV	253 (66.8)	94 (62.7)	159 (69.4)	
Hormonal contraceptives*	109 (28.8)	52 (34.7)	57 (24.9)	0.041
nterpersonal Factors	100 (20.0)	02 (0)	0. (2)	0.011
Physically/sexually assaulted by				
intimate partner*	48 (12.7)	20 (13.3)	28 (12.2)	0.752
No physical/sexual violence by intimate partner*	331 (87.3)	130 (86.7)	201 (87.8)	
High Sexual Relationship Power	303 (80.0)	135 (90.0)	168 (73.4)	<0.001
Low Sexual Relationship Power	71 (18.7)	13 (8.7)	58 (25.3)	
WHO IPV Scale	, ,	` '	, ,	
(Physical, Sexual,	231 (61.0)	137 (60.0)	94 (62.7)	0.579
Emotional violence)*	` ′	, ,	` '	
Alcohol/drug use while working*	245 (64.6)	99 (66.0)	146 (63.8)	0.655
No alcohol/drug use while	` ′	` '	` '	
working*	134 (35.4)	51 (34.0)	83 (36.2)	
Norkplace and Structural Factor	ors			
Unstable housing*	192 (50.7)	78 (52.0)	114 (49.8)	0.673
Stable housing*	187 (49.3)	72 (48.0)	115 (50.2)	0.070
Moved to Gulu for SW	137 (36.2)	60 (40.0)	77 (33.6)	0.200
Did not move to Gulu for SW	240 (63.3)	89 (59.3)	151 (65.9)	0.200
Avg. monthly income (per	210 (00.0)	00 (00.0)	101 (00.0)	
10,000 UgX increase) median	12.0 (6.0 – 24.0)	12.0 (6.0 – 20.0)	15.0 (7.0 – 28.0)	0.090
Have a pimp/manager	93 (24.5)	40 (26.7)	53 (23.1)	0.436
Do not have a pimp/manager	286 (75.5)	110 (73.3)	176 (76.9)	
Police harassment*	124 (32.7)	64 (42.7)	60 (26.2)	0.001
No police harassment*	255 (67.3)	86 (57.3)	169 (73.8)	3.001
Lived in IDPa camp: Yes	253 (66.6)	97 (64.7)	156 (68.1)	0.485
Lived in IDPa camp: No	126 (33.3)	53 (35.3)	73 (31.9)	3. 100
Abducted by the LRAb: Yes	122 (32.2)	49 (32.7)	73 (31.9)	0.872
Abducted by the LRAb: No	257 (67.8)	101 (67.3)	156 (68.1)	5.012
* In last 6 months	_3, (3, .3)	(070)	. 30 (00.1)	
† In last year				

Discussion and Conclusions

Internally Displaced Persons Camp

b Lords Resistance Army

- While non-condom use may be reflective of pregnancy intentions and a higher degree of intimacy within intimate partnerships, this study highlights how gendered power dynamics, both at the interpersonal (low sexual power and decision-making with intimate partners) and structural levels (harassment by policy and military), shape condom use with intimate partners of SWs in a post-conflict setting.
- Policy reforms to ensure the protection of SWs' health and human rights, and monitoring and redress of abuse in conflict-settings remain critical, alongside gender transformative approaches to HIV prevention, treatment, and care.
- Laws and responses to gendered violence which protect women from violence by agents of the state and domestic violence remain critical in East Africa.







