

UCSF

UC San Francisco Previously Published Works

Title

Brief Report

Permalink

<https://escholarship.org/uc/item/30221528>

Journal

J AIDS Journal of Acquired Immune Deficiency Syndromes, 74(1)

ISSN

1525-4135

Authors

Onu, Chinwe C
Dworkin, Shari L
Ongeri, Linnet G
[et al.](#)

Publication Date

2017

DOI

10.1097/qai.0000000000001135

Peer reviewed

OPEN

Sexual Violence Against HIV-Positive Women in the Nyanza Region of Kenya: Is Condom Negotiation an Instigator?

Chinwe C. Onu, BS,* Shari L. Dworkin, PhD, MS,† Linnet G. Ongeru, MBChB, MMed (Psych),‡
Patrick Oyaro, MBChB, MPH,§ Thomas C. Neylan, MD,|| Craig R. Cohen, MD, MPH,§¶
Elizabeth A. Bukusi, MBChB, MD, MPH, PhD,‡§# Grace Rota, BEd,§ and Susan M. Meffert, MD, MPH||

Abstract: For people living with HIV, exposure to sexual violence (SV) is associated with decreased adherence to antiretroviral medication, a primary predictor of their survival. Identification of risk factors for SV is a pressing issue in sub-Saharan Africa, where the global majority of HIV-positive women live and the prevalence of SV against women is high. We used qualitative data to examine SV against HIV-positive women enrolled in HIV care in Kenya. Respondents identified husbands as perpetrators of SV in the context of women's efforts to use condoms as directed by HIV care providers.

Key Words: women's HIV, sub-Saharan Africa, gender-based violence, intimate partner violence, sexual violence, condom negotiation, HIV

(*J Acquir Immune Defic Syndr* 2017;74:52–55)

INTRODUCTION

The association between intimate partner violence (IPV) and HIV infection among women is well established¹ and thought to be bidirectional.² Although prospective data show that IPV is a risk factor for subsequent HIV infection among women,^{3,4} the evidence for how HIV infection triggers subsequent IPV is emerging only now. Respondents in qualitative studies of HIV+ women living in South Africa

and Swaziland state that diagnosis and disclosure of HIV to an intimate partner is itself a trigger for IPV.^{5,6}

The objective of this study is to address this research gap, using a qualitative design to explore how HIV+ status might lead to IPV with a focus on sexual violence (SV), a form of violence against women that can occur in partnerships. IPV is known to have a particularly damaging effect on mental and HIV health.^{7–11} We used data from recently published qualitative mental and HIV health care needs assessment¹² to identify the context and potential pathways of SV against HIV+ women receiving HIV care from the Family AIDS Care Education and Services (FACES) program in the Nyanza region of Kenya. Nyanza has a high prevalence of HIV (18.7% in Kisumu County) and SV against women (51.9% lifetime prevalence among ever-married women aged 15–49 years).^{13,14}

METHODS

Study Location

FACES is a Kenya Medical Research Institute and University of California San Francisco collaborative in Kisumu County, Kenya. Established in 2004, FACES is a President's Emergency Plan for AIDS Relief-funded prevention, care, and treatment collaboration serving more than 140,000 HIV+ individuals in western Kenya. This study took place at the FACES Lumumba Clinic.

Study Patients

The parent study, a qualitative mental and HIV health care needs assessment (April–June, 2013), included 30 in-depth interviews and 4 focus group discussions with a total of 61 study participants.¹² Participants were female HIV+ FACES patients, community leaders, and/or clinic staff. Inclusion criteria included age of 18 years or older, ability to give verbal informed consent, attend the duration of the interview, and absence of severe cognitive dysfunction interfering with participation. Interviewers were 2 men and 2 women. Study procedures were approved by the research ethics boards of the University of California San Francisco and Kenya Medical Research Institute.

Interviews and Study Domains

Interviewers followed a structured interview guide consisting of open-ended questions and standardized probes.

Received for publication October 23, 2015; accepted May 13, 2016.

From the *UCSF School of Medicine, San Francisco, CA; †Department of Social and Behavioral Sciences, Global Health Sciences, UCSF School of Nursing, San Francisco, CA; ‡Centre for clinical research, Nairobi, Kenya Medical Research Institute (KEMRI), Kenya; §Family AIDS Care Education & Services, Kenya; ||Department of Psychiatry, UCSF Global Health Sciences, San Francisco, CA; ¶Department of Obstetrics, Gynecology & Reproductive Sciences, UCSF Global Health Sciences, San Francisco, CA; and #Department of Obstetrics and Gynecology, University of Nairobi, Nairobi, Kenya.

Supported in part by the Doris Duke Charitable Foundation through a grant supporting the Doris Duke International Clinical Research Fellows Program at University of California, San Francisco. C.C.O. is a Doris Duke International Clinical Research Fellow. The parent study was supported by a grant to S.M.M. from UC Women's Health and Empowerment Center for Expertise.

The remaining authors have no funding or conflicts of interest to disclose. Correspondence to: Susan M. Meffert, MD, MPH, Department of Psychiatry, UCSF Global Health Sciences, 401 Parnassus Avenue, San Francisco, CA 94143 (e-mail: Susan.Meffert@ucsf.edu).

Copyright © 2016 Wolters Kluwer Health, Inc. All rights reserved. This is an open access article distributed under the terms of the Creative Commons Attribution-NonCommercial-NoDerivatives License 4.0 (CC BY-NC-ND), which permits downloading and sharing the work provided it is properly cited. The work cannot be changed in any way or used commercially.

Respondents were asked to report on the experience of HIV+ women in their community, as opposed to their own personal experiences. Although the parent study was designed to investigate the breadth of violence against HIV+ women and related mental health care needs, SV was a probe for the question: “What kinds of violence do HIV+ women suffer?” with specific follow-up questions focusing on who the typical perpetrator was, when, and in what setting the violence typically occurred. Questions on SV were not added for the substudy.

Data Collection and Analysis

Interviews were audiorecorded with no participant identifiers and were transcribed into Dholuo/Kiswahili and then translated into English. Data analysis was guided by grounded theory,¹⁵ which was used to identify concepts, categories, and propositions and by seeking similarities and differences among interviews. Concepts were grouped to develop broader categories, which were then compared and grouped to develop themes.

Primary and secondary codes were established through a process of open coding on specified domains of all (100%) interviews (S.M.M.) and by comparing results with a separate open coding of a random selection of 15% of interviews (S.L. D.). Discrepancies across coders were discussed and resolved with slight modification of primary and secondary codes. The resulting codebook was applied by another researcher to a randomly selected subsample of 50% of the interviews. Application of codes was discussed with minor modifications

to secondary domains. The remaining 50% of interviews were coded independently. The overall concordance rate was calculated to be 98.5% across the parent study interviews based on the random reliability checks of 50% of interviews. For this study, we analyzed all data excerpts coded as “sexual violence,” without restriction.

RESULTS

Overall, 74% of all interviews (n = 25) in the parent study mentioned SV against HIV+ women (21 individual interviews and all 4 focus groups). All of the substudy’s in-depth interview participants were female (100%); 5 were community health workers (20%), 3 were health care providers (12%), and the remaining were HIV+ women receiving care at the FACES clinic. The 4 focus groups ranged in size from 4 to 10 participants and consisted of (1) community health care workers (9 participants, 6 female); (2) FACES patients (all female, Luo-speaking); (3) FACES patients (all female, Swahili-speaking); and (4) community advisory board members (4 participants, 1 female). Participants’ actual names are replaced with pseudonyms. Categories were grouped to identify key themes regarding the context of SV against HIV+ women. See Table 1 for a summary of findings. Here, we focus on the most common themes. The percentages reported in Table 1 and below are the number of interviews referencing the theme, divided by the total number of interviews from the parent study that referenced SV.

TABLE 1. Overview of Key Themes Regarding the Context of SV Against HIV+ Women in Kisumu, Kenya

Theme	Percent of Interviews	Quotes With Actual Names Replaced
Transmission and superinfection prevention	72	<p>Maybe (women) don’t want to have sex because they know that they are HIV positive. Some of them would like to use a condom but the partner does not want to use protection. They are therefore forced to have sex without protection. Sometimes it is just like rape (Vicki, female FACES patient, in-depth interview).</p> <p>Sometime you are suffering from HIV/AIDS... You can disclose it to your partner leading to violence. This means that you will always use protection when making love.... This is something that your partner might not welcome. It can therefore lead to violence (Catherine, Female FACES patient, in-depth interview).</p>
Disagreement about fertility preferences	24	<p>I told him that we must now use a condom He insisted that he wanted a child. Going by the lessons I learnt here at the clinic that a lady cannot get pregnant when her CD4 is low... I explained all this to him and he didn’t take them kindly. We quarreled on that day... I fear getting pregnant (Maureen, female, primary care provider, in-depth interview).</p> <p>Most men are not for the family planning; some don’t want to take ARVs yet they want children. You are infected yet he wants you to be pregnant; this is a problem on the side of women (Joyce, FACES, female patient, focus group).</p> <p>I always take trust (in) condoms. Whenever we should protect ourselves, there is always problems. I always tell him that we should not give birth so frequently. In the past I had given birth and at 5 months the child died. He is always insisting of getting a baby but I tell him that our life is not healthy to get a child. (Winnie, participant in focus group of female FACES patients).</p>
Infidelity	16	<p>They will insist on making love... You will tell him to use condoms... He will get angry and quarrel you. He will therefore accuse you of being unfaithful (Mary, FACES female patient, focus group).</p> <p>Yes it’s true that some are beaten especially if the man feels that the woman is the one who has brought the disease. Some of them are beaten and thrown out of the house and others are even raped so they suffer (Linda, participant in focus group of health care providers).</p>

CD4, cluster of differentiation 4 immune cell.

Agents and Context for SV Against HIV+ Women

All respondents who identified perpetrators of SV (56%, $n = 14$) stated that husbands of HIV+ women enacted SV against them.

Transmission and Superinfection

As part of HIV management, health care workers advised women to use condoms to reduce the risk of transmission or superinfection. The majority of participants (72%; $n = 18$) stated that SV occurred when HIV+ women requested that their partner use condoms.

A FACES provider stated:

Here at the clinic we encourage and give condoms, that when they go back home they should use them so that it prevent any infection in case it occurs. Then and when they reach home and maybe all of them are positive and there he says that we are all positive and why should we use the condoms or something like this. So the man will end up having sex without using the protection and as the woman will not be willing to give in; it will be like a rape case in such a situation (Akili, participant in focus group of health care providers).

Disagreement About Fertility Preferences

Many respondents stated that local HIV+ women wished to use condoms to prevent pregnancy because of concerns regarding the impact of HIV on the child's health. Some participants (20%; $n = 5$) mentioned their wish to avoid pregnancy was a facilitator of male SV. Multiple interviews (24%; $n = 6$) cited husband's wishes for additional children as an instigator of SV against HIV+ women. FACES patients stated:

Women are being forced to have sex since they (men) say they want children (Esther, female FACES patient, in-depth interview).

DISCUSSION AND RESEARCH IMPLICATIONS

Our study suggests that there may be particular characteristics of SV against HIV+ women that could be leveraged for prevention. Our findings are consistent with prior research demonstrating that relationship inequity and IPV are associated with incident HIV infection among women.^{16–20} To the extent that SV against HIV+ women is informed by the gender norms facilitating violence against all women, gender transformative programs should be investigated for their potential to reduce SV against HIV+ women. Programs such as Now!¹⁹ and Safe Homes and Respect for Everyone²¹ have promising results for decreasing social acceptance of IPV among men and women and reducing IPV, including SV against women.

Condom Negotiation Between Seroconcordant Spouses Superinfection

One prominent characteristic of SV against HIV+ women in our study is that respondents reported the

condom negotiation to be an instigator of SV against HIV+ women. Although research has established that IPV against women is associated with reduction in their confidence to negotiate condom use with their partner,^{22,23} respondents in this qualitative study in Kenya perceived that condom negotiation, itself, led to SV against HIV+ women in their communities.

Condom use is clearly an important public health intervention to prevent HIV transmission in serodiscordant couples. However, condom use continues to be recommended for seroconcordant couples (both partners HIV+) based on the potential risk of “superinfection” (infection with more than 1 strain of HIV), although data from Kenya did not find deleterious health effects among women with superinfection and the use of antiretroviral therapy further limits the concern for superinfection.²⁴ The chain of events leading to SV against HIV+ women commonly described in these interviews is that women were tested for HIV, found to be positive, and were then asked by HIV care providers to disclose their status to their intimate partner/husband and initiate condom use, even if their partner was also known to be HIV+. Efforts to enforce condom use by HIV+ women were met with SV from their husbands.

Although it is not the focus of this report, it is important to note that Kenyan men lag behind women in HIV testing¹³—seroconcordant couples may be more common than current numbers suggest. As we describe elsewhere,¹² HIV+ women who report their status to untested husbands are often accused of bringing HIV into the family and suffer abuse from husbands and in-laws.

Disagreements Regarding Childbearing/Vertical Transmission

A substantial proportion of interviewees stated that HIV+ women requested condoms to prevent pregnancy, reflective of health care provider counseling on the risk of vertical transmission and maintaining health while living with HIV. However, respondents in sub-Saharan Africa qualitative studies stated that men preferred to have more children and/or have children at shorter intervals.

Short-Term Research Recommendations

This study suggests that there may be particular characteristics of SV against HIV+ women in Kenya that could be addressed through improved application of HIV couples testing. Couples-based HIV testing is associated with decreased IPV and better adherence to condom use guidelines. Couples testing may be a promising intervention to mitigate SV against HIV+ women, alone, or as a component of a larger gender transformative program.

To the extent that couples testing improves HIV testing among men, it may help identify more seroconcordant couples, presenting an opportunity for HIV care providers to tailor and adapt risk reduction strategies that promote condom use, including consideration of partnership dynamics, especially the risk of SV. Regardless of whether couples are seroconcordant, couples testing should be used as an opportunity for health care

professionals to discuss SV (and broader IPV) against HIV+ women and contribute to prevention efforts.

In addition, couples testing may provide an opportunity for HIV care providers to review the principles of family planning with both partners, including the protocol necessary to prevent vertical transmission. To the extent that couples testing shifts the burden of negotiating condom use from HIV+ women to the health care system, it may foster understandings of the couple as a partnership, which may lead to decreased SV against HIV+ women. Implementation research on for HIV couples testing is needed.

LIMITATIONS

This is a substudy from an existing qualitative assessment that included 1 question on SV. As such, the frequency and types of SV among HIV+ women in this population might be underrepresented by the available data. However, given the limited data now available on the topic, this study will assist in identifying areas for future research. Second, this is a relatively small study and focused on 1 location within Kisumu County. Although saturation on key themes was reached, as with all qualitative studies, generalizability is not a goal. Third, to prevent retraumatization, study participants were asked to provide information regarding HIV+ women served by FACES, as opposed to their personal experiences. Some participants spontaneously elected to provide personal information. Thus, our data analysis reflects a mix of data focused on perceptions of the self and others, and the “second-hand” information may be less reliable.

CONCLUSIONS

Participants in this study reported that the efforts of HIV+ women to follow health care provider recommendations to use condoms to reduce the risk of superinfection and transmission (sexual and vertical) increased their risk of sexual victimization. We identified 3 key areas for future research, including continued gender transformative research, an analysis on the overall health impact of recommending condoms solely to prevent superinfection for women in sub-Saharan Africa, and implementation research to speed the scale-up of couples testing and counseling.

REFERENCES

- Campbell JC, Baty ML, Ghandour RM, et al. The intersection of intimate partner violence against women and HIV/AIDS: a review. *Int J Inj Contr Saf Promot*. 2008;15:221–231.
- Siemieniuk RAC, Krentz HB, Gill MJ. Intimate partner violence and HIV: a review. *Curr HIV/AIDS Rep*. 2013;10:380–389.
- Jewkes RK, Dunkle K, Nduna M, et al. Intimate partner violence, relationship power inequity, and incidence of HIV infection in young women in South Africa: a cohort study. *Lancet*. 2010;376:41–48.
- Kouyoumdjian FG, Calzavara LM, Bondy SJ, et al. Intimate partner violence is associated with incident HIV infection in women in Uganda. *AIDS*. 2013;27:1331–1338.
- Mulrenan C, Colombini M, Howard N, et al. Exploring risk of experiencing intimate partner violence after HIV infection: a qualitative study among women with HIV attending postnatal services in Swaziland. *BMJ Open*. 2015;5:e006907.
- Hatcher AM, Woollett N, Pallitto CC, et al. Bidirectional links between HIV and intimate partner violence in pregnancy: implications for prevention of mother-to-child transmission. *J Int AIDS Soc*. 2014;17:19233.
- Temple JR, Weston R, Rodriguez BF, et al. Differing effects of partner and nonpartner sexual assault on women’s mental health. *Violence Against Women*. 2007;13:285–297.
- McFarlane J, Malecha A, Watson K, et al. Intimate partner sexual assault against women: frequency, health consequences, and treatment outcomes. *Obstet Gynecol*. 2005;105:99–108.
- Campbell R, Dworkin E, Cabral G. An ecological model of the impact of sexual assault on women’s mental health. *Trauma Violence Abuse*. 2009;10:225–246.
- Sin NL, DiMatteo MR. Depression treatment enhances adherence to antiretroviral therapy: a meta-analysis. *Ann Behav Med Publ Soc Behav Med*. 2014;47:259–269.
- Whetten K, Shirey K, Pence BW, et al. Trauma history and depression predict incomplete adherence to antiretroviral therapies in a low income country. *PLoS One*. 2013;8:e74771.
- Zunner B, Dworkin SL, Neylan TC, et al. HIV, violence and women: unmet mental health care needs. *J Affect Disord*. 2015;174:619–626.
- Kenya National Bureau of Statistics. Ministry of Health, National AIDS Control Council, Kenya Medical Research Institute and National Council for Population and Development. *Kenya Demographic and Health Survey 2014: Key Indicators*. Nairobi, Kenya; 2015.
- National AIDS. Control Council. *Kenya AIDS Response Progress Report 2014: Progress Towards Zero*. Nairobi, Kenya; 2014.
- Strauss A. *Basics of Qualitative Research: Grounded Theory Procedures and Techniques*: Thousand Oaks; London; New Delhi; Sage Publications; 1990.
- Kyegombe N, Abramsky T, Devries KM, et al. The impact of SASA!, a community mobilization intervention, on reported HIV-related risk behaviours and relationship dynamics in Kampala, Uganda. *J Int AIDS Soc*. 2014;17:19232.
- Jewkes R, Flood M, Lang J. From work with men and boys to changes of social norms and reduction of inequities in gender relations: a conceptual shift in prevention of violence against women and girls. *Lancet*. 2015;385:1580–1589.
- Kumar S, Gruskin S, Khosla R, et al. Human rights and the sexual and reproductive health of women living with HIV - a literature review. *J Int AIDS Soc*. 2015;18:20290.
- Abramsky T, Devries K, Kiss L, et al. Findings from the SASA! Study: a cluster randomized controlled trial to assess the impact of a community mobilization intervention to prevent violence against women and reduce HIV risk in Kampala, Uganda. *BMC Med*. 2014;12:122.
- Dworkin SL, Treves-Kagan S, Lippman SA. Gender-transformative interventions to reduce HIV risks and violence with heterosexually-active men: a review of the global evidence. *AIDS Behav*. 2013;17:2845–2863.
- Wagman JA, Gray RH, Campbell JC, et al. Effectiveness of an integrated intimate partner violence and HIV prevention intervention in Rakai, Uganda: analysis of an intervention in an existing cluster randomised cohort. *Lancet Glob Health*. 2015;3:e23–e33.
- Swan H, O’Connell DJ. The impact of intimate partner violence on women’s condom negotiation efficacy. *J Interpers Violence*. 2012;27:775–792.
- Maxwell L, Devries K, Zions D, et al. Estimating the effect of intimate partner violence on women’s use of contraception: a systematic review and meta-analysis. *PLoS One*. 2015;10:e0118234.
- Ronen K, Richardson BA, Graham SM, et al. HIV-1 superinfection is associated with an accelerated viral load increase but has a limited impact on disease progression. *AIDS*. 2014;28:2281–2286.