Empowerment, partner’s behaviours and intimate partner physical violence among married women in Uganda

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Abstract

Background: There is dearth of knowledge and research about the role of empowerment, partners’ behaviours and intimate partner physical violence (IPPV) among married women in Uganda. This paper examined the influence of women’s empowerment and partners’ behaviours on IPPV among married women in Uganda.

Methods: The 2011 Uganda Demographic and Health Survey data were used, selecting a weighted sample of 1,307 women in union considered for the domestic violence module. Cross tabulations (chi-square tests) and multivariate logistic regressions were used to identify factors associated with IPPV.

Results: The prevalence of IPPV among women in union in Uganda is still high (41%). Women’s occupation was the only measure of empowerment that was significantly associated with IPPV, where women in professional employment were less likely to experience IPPV. Women from wealthy households were less likely to experience IPPV. IPPV was more likely to be reported by women who had ever had children and witnessed parental IPPV. IPPV was also more likely to be reported by women whose husbands or partners: accused them of unfaithfulness, did not permit them to meet female friends, insisted on knowing their whereabouts and sometimes or often got drunk. Women who were afraid their partners were also more likely to report IPPV.

Conclusion: In the Ugandan context, women’s empowerment as assessed by the UDHS has limited mitigating effect on IPPV in the face of partners’ negative behaviours and history of witnessing parental violence.

Keywords: Intimate partner violence, Decision-making, Alcohol, Controlling behaviours, Uganda

Background

Sexual and gender-based violence is a major public health problem [1,2] with immediate and long term consequences [3]. These include negative psychological or behavioural outcomes, physical injuries, and poor reproductive health outcomes such as heightened risk of HIV and sexually transmitted infections [4,5] gynaecological and sexual disorders, pregnancy complications, miscarriages and low birth weight [6].

High levels of sexual and gender-based violence exist in Uganda. The 2011 Uganda Demographic and Health Survey (UDHS) findings reveal that 27% of women experienced physical violence, and 16% experienced sexual violence within 12 months prior to the survey [7]. Intimate partner physical violence ( IPPV) which is a form of Intimate Partner Violence (IPV) is among the most common forms of gender-based violence in Uganda [7]. Among women in union, one in four (25%) experienced physical violence and 21% experienced sexual violence from an intimate partner within 12 months prior to the survey. Overall, 45% of ever-married women had experienced at least one form of violence (emotional, physical or sexual) perpetrated by their current or most recent partner in the past year [7].

IPPV has been linked to gender empowerment. Empowerment is a personal, latent phenomenon and multidimensional process [8] that denotes autonomy, power, status, and agency. It entails a process of gaining greater

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control over one's life, with ability and freedom to make strategic life choices, control resources and the power to achieve goals [9-11]. Kabeer (2005) relates empowerment to the concept of agency which is the ability of an individual to make and put into effect choices (even in the face of opposition, thus challenging power relations). Exercising of agency in order to realise intended goals is facilitated by access to and control over resources.

Empowerment is usually used with reference to persons who hitherto lack such power, in this case – women [12]. Consideration of the context or broader setting is important [10] since the various aspects of empowerment are usually applied in social contexts and in relation to other persons. It is assumed that women's empowerment usually results in a better quality of life and in this case, less intimate partner violence. Consequently, economic empowerment of women, for instance is recommended as a protective factor for addressing violence against women by the United Nations [13].

As noted by Simeen et al. (2011), empowerment is often accompanied by responsibilities and sometimes repercussions which could include heightened IPV, neglect or withholding of support. This is particularly the case where putting choices into effect challenges power relations. Some studies have linked women's economic empowerment to IPPV where economically empowered women had increased likelihood of experiencing IPPV compared to those that were not empowered [13-15]. In India, economic empowerment through earning incomes was found not to be the only protective factor for IPV [13]. According to Dalal (2011), in some cases, violence increases as husbands or partners attempt to compensate for women's enhanced status and independence due to employment. In Kenya too, imbalances in status between married men and women, where women's labour force participation and occupational status were higher than the male partners', increased the risk of violence [14]. This calls for analysis of not only individual/micro aspects but also the broader contexts.

Studies have shown that influence of women's empowerment could vary with social contexts and outcomes of interest. With reference to fertility goals for instance, Upadhyay and Karasek [16] established that women's empowerment as assessed on the basis of their participation in household decision making, attitudes towards wife beating, and women's right to refuse sex was not consistently associated with a desire for smaller families or desired fertility in some Sub-Saharan African countries [14,16,17].

Factors that have been associated with increased risk of IPPV include women's low education level [18], unemployment, attitudes justifying physical violence, limited decision making autonomy and partners' behaviours such as excessive drinking [19,20]. With regard to contextual factors, cultures that condone violence, rural residence, poverty/poor wealth status [11] and exposure to war [21] also increased the likelihood of IPPV. In addition, women (and men) who witnessed parental IPV compared to those that did not, were more likely to have supportive attitudes towards IPV and to report IPV victimisation perpetrated by men [17,20]. A study in Ethiopia established that women who witnessed inter-parental violence during childhood, compared to those that did not, were twice more likely to report lifetime IPV and more than one and half times more likely to report current IPV [22].

Controlling behaviours of male partners are a precursor to IPPV. Controlling male partners were more likely to be violent than the less controlling partners according to the WHO multi-country studies of 2006 and 2011 [23,24].

Studies linking gender empowerment and intimate partner physical violence among women in union [10] are yet to be conducted in Uganda. IPPV in this case excludes sexual violence. Although sexual violence is part of physical violence, associated factors could differ and therefore requires separate analysis. This paper assessed the influence of selected aspects of women's empowerment and male partners' behaviours on IPPV among women in union in Uganda, controlling for women's socio-demographic factors.

Methods

The paper uses data from the 2011 Uganda Demographic and Health Survey (UDHS). The UDHS data were accessed with permission from Measure DHS [25]. This was a cross-sectional nationally representative survey that uses stratified two-stage cluster sampling design [7] based on the sampling frame from the 2002 population and housing census [14]. Detailed description of sampling procedures is reported in the UDHS report [7].

The sample for the domestic violence (DV) module was 2,056 ever-married women. From this sample, we extracted 1,447 women (unweighted sample) in union for further analysis [7] (weighted sample was 1307 women in union). In this paper, women in union included those who were married, living together or cohabiting with their partners. The DV module was based on the shortened and modified version of the Conflict Tactics Scale (CTS) [26]. The survey was carried out based on World Health Organization's (WHO) ethical and safety recommendations for research on domestic violence [27].

Measures of outcome variable

In this paper, we operationalized intimate partner physical violence (IPPV) as any physical acts ensuing into abuse by a current or former partner within 12 months prior to the interview [19]. For physical intimate partner violence, women in union were asked the following set of questions:
Does/did your (last) (husband/partner) a) Push you, shake you, or throw something at you?; b) Slap you?; c) Punch you with his fist or with something that could hurt you?; d) Kick you, drag you, or beat you up?; e) Try to strangle you or burn you on purpose?; and e) Threaten or attack you with a knife, gun, or any other weapon?

In the UDHS data, a composite variable for less severe (moderate) violence was created from questions a-c above and severe violence from d-f above. In this paper, both severe and moderate IPPV are combined to form a dichotomous measure of IPPV (0 = did not experience IPPV in the last 12 months, 1 = experienced IPPV in the last 12 months). We merged moderate and severe physical violence to come up with an aggregate IPPV. This is based on the observation that IPPV is stigmatized and is therefore usually under reported or toned down.

Measures of independent variables

In this paper, independent variables are categorised into three: first, women’s empowerment (economic empowerment, participation in decision-making, attitudes justifying physical violence); second, husband/partners’ behaviours (controlling behaviour, attitude towards husband (whether she fears husband/partner) and frequency of getting drunk); and third, contextual factors (socio-demographics) including history of witnessing parental violence as described below. In the rest of the document, “partner” includes husbands. In this paper, measures of empowerment included economic empowerment, participation in decision-making and attitudes justifying physical violence.

Women’s economic empowerment included their occupation and ownership of property (a house). Ownership of a house was recoded into two categories: woman alone/jointly with the partner as the empowered category and partner alone/others as the other. Ownership of a house is included because it is an important and contested asset for women in the Ugandan context.

Participation in household decision making concerning how women’s earning are used, women’s health care, large household purchases, visits to family or relatives and how men’s earnings are used was measured in the DHS. In this paper, we used five measures of decision-making autonomy regarding persons who usually decide: a) how women’s earnings are used; b) on respondent’s healthcare; c) on large household purchases; d) on visits to family or relatives and e) what to do with the money the partner earns. Responses to these questions were re-coded into two categories (1 = woman decides alone/jointly with partner, 0 = partner alone/others).

Attitudes justifying physical violence were measured by questions concerning whether wife beating was justifiable for the following reasons: if the wife a) goes out without telling partner; b) neglects the children; c) argues with the partner and d) refuses to have sex with the partner.

Responses to these variables were dichotomous (1 = “yes” or 0 = “no”). Some studies have used composite variables from these measures [19,28]. We opted to use individual rather than composite or aggregate measures of empowerment [19]. The challenge with composite measures is that it is not possible to determine the contribution of specific measures in influencing IPPV. Individual measures may vary with socio-cultural settings. Our interest was to tease out specific measures of empowerment that are significantly associated with violence.

We also considered partners’ behaviour and controlling tendencies as reported by the women. In this category, three measures were used: controlling behaviour, frequency of partner getting drunk and women’s attitude towards partner. In the UDHS, women in union were asked whether their present partners: a) were jealous if respondents talk with other men; b) accuse respondents of unfaithfulness; c) do not permit respondents to meet female friends; d) tries to limit respondents’ contact with family and e) insist on knowing where respondents were. The responses to these variables were dichotomous (0 = no and 1 = yes). All these control variables were included in the model in order to predict those that significantly predict IPPV. Partner’s frequency of getting drunk was categorised into three groups (0 = never, 1 = sometimes and 2 = often). We also included respondent’s attitude towards partner in this category of variables. Women were asked if they were afraid of their partners. This was categorised as 0 = never at all, 1 = sometimes and 2 = most of the times.

Women’s socio-demographic characteristics included: women’s age group, women’s education level, region, place of residence, wealth index, parity or number of children ever born and current marital status (married or cohabiting). The role of witnessing parental IPPV was examined by including a dichotomous measure of whether the respondent reported ever witnessing his or her father beating his or her mother (yes or no).

Statistical analyses

Frequency distributions were used to describe the characteristics of the respondents. Cross-tabulations were used to investigate associations between IPPV (dependent variable) and women’s empowerment (economic empowerment, attitudes justifying physical violence, decision-making autonomy) and partners’ behaviors and women’s socio-demographic factors. Pearson’s chi-squared ($\chi^2$) tests were used to examine the significant differences between IPPV and independent variables. The level of statistical significance using p-values was set at $p < 0.05$.

Multivariate logistic regression analyses were used to examine the association between IPPV and independent variables whose p-values were less than 0.05 during the chi-square tests. Results are presented in the form of Odds Ratios (OR). The level of statistical significance using
p-values was set at \( p < 0.05 \). All analyses were weighted and performed in STATA version 12.

**Results**

**Distribution of respondents by socio-demographic characteristics and measures of empowerment**

From Table 1, most (84%) of the respondents were rural residents, had primary education (60%) and 40% were from the richer and richest wealth quintiles. More than half (55%) were married and the rest (45%) were cohabiting. Forty one Percent were aged 25–34 years. A half (50%) of the women had given birth to at least one child in their lifetime.

Concerning measures of empowerment, just over half (53%) of the women were engaged in agriculture, more than half (57%) reported ownership of a house either alone or jointly. Participation in decision making among women in union was average. Between four to five women out of ten participated in deciding on: how their earnings were used (44%); their own healthcare (59%); household purchases (56%); visits to family (58%); and how their partners’ earnings were used (46%).

The prevalence of attitudes justifying physical violence varied in proportions. Wife beating was justified if women: went out without telling partners (41%); neglected children (48%); argued with partner (31%); refused sex with partner (24%) and burnt food (15%). Four in ten (41%) of women in union reported experiencing IPPV in the last 12 months preceding the survey. More than half (52%) had witnessed their fathers beat their mothers during childhood.

**Association of IPPV among women in union and partners’ behaviours**

From Table 1, results of the cross tabulations show that all socio-demographic factors with the exception of marital status and age were significantly associated with IPPV (residence, education, wealth index, region, parity).

Economic empowerment factors (women’s occupation and ownership of a house) had significant associations with IPPV. Surprisingly, none of the measures of participation in decision making had a significant association with IPPV among women in Uganda (see Table 1). Measures of attitudes justifying physical violence which were significantly associated with IPPV were: arguing and refusing to have sex with the partner. Witnessing parental violence was significantly associated with IPPV (see Table 1).

**Distribution of respondents by their partners’ behaviours**

Table 2 presents male partners’ behaviour and controlling tendencies and their association with IPPV. Descriptive results show that spouse/partners’ controlling behaviours was high with regard to being jealous if the respondent talked to other men (56%) and insisting on knowing where the respondent was (55%). Controlling behaviours such as limiting respondents’ contact with family, not permitting the respondent to meet female friends, and accusing the respondent unfaithfulness received less emphasis (18%, 26% and 32% respectively). Nearly half (46%) of the women were afraid of their partners. About four in ten (40%) of the women had partners who got drunk.

**Association of IPPV among women in union and partners’ behaviours**

All measures of male partners’ controlling behaviour, alcohol consumption and women’s attitudes towards partner were strongly associated with occurrence of IPPV among women in union in Uganda. IPPV was higher among women whose partners accused them of unfaithfulness (64%), limited contact with family (61%), denied them to meet female friends (58%), insisted on knowing women’s whereabouts (54%), and were jealous when they talked to other men (52%). IPPV was also higher among women who were afraid of their partners and whose partners got drunk (see Table 2).

**Multivariate results**

Three models were fitted to measure the relationship between IPPV and independent variables. The models excluded variables that were not significant at the bivariate level of analysis. In model 1, IPPV was modelled with attitudes justifying wife beating. The only measure of attitudes towards wife beating that had a significant relationship with IPPV was justification of wife beating if a woman argued with her partner. Women who justified wife beating if a woman argued with her partner had increased odds (OR = 1.87; \( p < 0.001 \)) of experiencing IPPV in comparison to those that did not.

In model 2, we added partners’ controlling tendencies to the first model. Three variables were significantly associated with IPPV: beating justified when wife argues with partner, partner accuses woman of unfaithfulness and partner insisting on knowing her whereabouts. IPPV was elevated among women who justified wife beating when women argued with their partners (OR = 1.58; \( p = 0.01 \)); whose partners accused them of unfaithfulness (OR = 2.43; \( p < 0.001 \)) and whose partners insisted on knowing where they were (OR = 2.00; \( p < 0.001 \)). In the second model, justification of wife beating if a woman argues with her partner was weakened by controlling tendencies.

In the final model (model 3), socio-demographic variables, women’s attitude towards partner, witnessing of parental IPPV and partner alcohol consumption are added. In this model, attitudes justifying wife beating become insignificant (see Table 3). IPPV was significantly associated with partners’ controlling tendencies, wealth index, occupation, parity, attitude towards partner (whether the woman was afraid of the partner), alcohol consumption and witnessing parental violence as explained below.
Most measures of male partners’ behaviour as reported by women were significantly associated with IPPV. Women whose partners: accused them of unfaithfulness (OR = 2.23; p < 0.001); did not permit them to meet their female friends (OR = 1.59; p = 0.04) and insisted on knowing where they were (OR = 1.53; p = 0.04) were more likely to experience IPPV within 12 months prior to the survey.

Women’s attitude towards their partner, in terms of whether women were afraid of their partners was significantly associated with IPPV. Women, who were sometimes

### Table 1 Percentage distribution of married women and experience of Intimate Partner Violence (IPPV) in Uganda (DHS 2011) (Continued)

| Variables                        | % of women | % reporting IPPV | Frequency | p-value |
|----------------------------------|------------|------------------|-----------|---------|
| Residence                        |            |                  |           | 0.001   |
| Urban                            | 16.4       | 27.8             | 214       |         |
| Rural                            | 83.6       | 43.6             | 1093      |         |
| Women’s education level          |            |                  |           | 0.002   |
| No education                     | 17.0       | 48.5             | 222       |         |
| Primary                          | 60.1       | 44.2             | 785       |         |
| Secondary                        | 22.9       | 27.2             | 299       |         |
| Wealth index                     |            |                  |           | 0.000   |
| Poorest                          | 18.6       | 55.9             | 243       |         |
| Poorer                           | 19.9       | 48.9             | 260       |         |
| Middle                           | 20.1       | 47.6             | 262       |         |
| Richer                           | 19.5       | 32.6             | 255       |         |
| Richest                          | 21.9       | 22.9             | 287       |         |
| Current marital status           |            |                  |           | 0.046   |
| Married                          | 55.3       | 39.9             | 723       |         |
| Cohabiting                       | 44.7       | 42.5             | 584       |         |
| Women’s occupation               |            |                  |           | 0.000   |
| Not working                      | 23.7       | 43.0             | 310       |         |
| Professional                     | 4.0        | 7.5              | 52        |         |
| Agriculture                      | 53.4       | 44.3             | 698       |         |
| Sales                            | 18.9       | 36.6             | 247       |         |
| Age group                        |            |                  |           | 0.320   |
| 15-24                            | 29.7       | 37.2             | 388       |         |
| 25-34                            | 40.6       | 41.6             | 531       |         |
| 35+                              | 29.7       | 44.1             | 388       |         |
| Region                           |            |                  |           | 0.000   |
| Central                          | 28.0       | 28.5             | 366       |         |
| Eastern                          | 26.3       | 48.9             | 344       |         |
| Northern                         | 19.2       | 50.0             | 251       |         |
| Western                          | 26.4       | 40.0             | 346       |         |
| Parity                           |            |                  |           | 0.000   |
| None                             | 6.7        | 13.4             | 87        |         |
| 1-4                              | 50.0       | 39.9             | 653       |         |
| 5+                               | 43.4       | 46.7             | 567       |         |
| Total                            | 100.0      | 41.1             | 1307      |         |
| Woman owns a house alone or jointly |          |                  |           | 0.000   |
| No                               | 42.7       | 33.7             | 558       |         |
| Yes                              | 57.3       | 46.5             | 749       |         |
| Woman decides alone or jointly on: Spending her income | | | | 0.901 |
| Own healthcare                   |            |                  |           | 0.952   |
| No                               | 40.8       | 41.2             | 533       |         |
| Yes                              | 59.2       | 41.0             | 774       |         |
| Household purchases              |            |                  |           | 0.168   |
| No                               | 43.8       | 43.8             | 572       |         |
| Yes                              | 56.2       | 38.9             | 735       |         |
| Visits to family or friends      |            |                  |           | 0.075   |
| No                               | 42.4       | 44.7             | 555       |         |
| Yes                              | 57.6       | 38.3             | 752       |         |
| What to do with partner’s income |            |                  |           | 0.543   |
| No                               | 54.3       | 42.0             | 710       |         |
| Yes                              | 45.7       | 39.9             | 597       |         |
| Beating justified if wife:       |            |                  |           | 0.078   |
| Goes out without telling husband | No         | 58.9             | 38.5      | 765     |
|                                  | Yes        | 41.1             | 44.8      | 535     |
| Neglects children                |            |                  |           | 0.091   |
| No                               | 52.1       | 38.2             | 680       |         |
| Yes                              | 47.9       | 44.2             | 624       |         |
| Argues with husband              |            |                  |           | 0.000   |
| No                               | 69.5       | 36.4             | 901       |         |
| Yes                              | 30.5       | 52.0             | 395       |         |
| Refuses to have sex with husband | No         | 75.8             | 38.7      | 976     |
|                                  | Yes        | 24.2             | 47.7      | 311     |
| Burns the food                   |            |                  |           | 0.954   |
| No                               | 85.0       | 41.0             | 1106      |         |
| Yes                              | 15.0       | 41.3             | 195       |         |
| Total                            | 100.0      | 41.1             | 1307      |         |
afraid of their partners (OR = 3.17; p < 0.001) and those who were often afraid of their partners (OR = 3.07; p < 0.001) had increased likelihood of experiencing IPPV within 12 months prior to the survey, compared to those who were never afraid.

Partner’s excessive alcohol consumption was significantly associated with IPPV. Women whose partners sometimes (OR = 3.01; p < 0.001) or often (OR = 1.67; p = 0.01) got drunk with alcohol were more likely to report IPPV than those whose partners never got drunk.

One of the economic empowerment indicators – women’s occupation, was significantly associated with IPPV. Women in professional employment had decreased odds of reporting IPPV compared to non-working women (OR = 0.09; p < 0.001).

Among the socio-demographic factors considered, only wealth index and parity were significantly associated with IPPV. Women from richer (OR = 0.49; p = 0.03) and richest (OR = 0.45; p = 0.03) households had decreased odds of experiencing IPPV within 12 months prior to the survey, compared to those from the poorest households. Women who had 1–4 children (OR = 3.6; p = 0.001) and 5 or more children (OR = 4.63; p < 0.001) were more likely to experience IPPV compared to those who had no children.

As part of the contextual factors, model 3 included a history of women (respondents) witnessing parental physical violence. Women who witnessed their fathers beat their mothers were more likely (OR = 2.16; p < 0.001) to be beaten by their partners compared to those who had not witnessed such violence.

Discussion

The prevalence of IPPV among women in union in Uganda remains relatively high (41%), although there is a slight decline from 48% in 2006 [7]. This prevalence level is still high compared to elsewhere in the sub-region, for instance Tanzania [29] and other developing countries [23,24,30-32].

Male partners’ behaviours, including alcohol consumption, controlling tendencies, and fear of male partners by their wives/female partners were significantly associated with IPPV among women in union in Uganda. Such behaviours explain the significant association between women’s fear of their spouses/partners and IPPV. Women, whose partners accused them of unfaithfulness, did not permit their contact with female friends and insisted on knowing where they were, had increased odds of reporting IPPV than those whose partners were less controlling regarding these issues. This finding is in consonance with findings from other sub-Saharan African countries such as Mozambique [33], Nigeria [19], and developing countries like Vietnam [34], Nepal [35] (see also WHO multi-country studies) [23,24]. Male partner controlling behaviours are not only a precursor to violence but could also be evidence that women were already experiencing violence. Controlling behavioural tendencies in this case appear to be closely associated with suspicions of infidelity. Antai’s study of IPV among Nigerian women established that partners’ controlling behavioural tendencies were significantly associated with IPPV. Her analysis aggregates variables addressing controlling behaviour, decision-making and

Table 2 Percentage distribution of women in union by male partners’ behaviour and experience of IPPV in Uganda (DHS 2011)

| Variables | % of women | % reporting IPPV | Frequency | p-value |
|-----------|------------|-----------------|-----------|---------|
| Husband/partner jealous if respondent talks with other men | 0.000 | | | |
| No | 43.6 | 27.3 | 570 | |
| Yes | 56.4 | 51.6 | 737 | |
| Husband/partner accuses respondent of unfaithfulness | 0.000 | | | |
| No | 68.1 | 30.5 | 890 | |
| Yes | 31.9 | 63.5 | 418 | |
| Husband/partner does not permit respondent to meet female friends | 0.000 | | | |
| No | 73.8 | 35.2 | 965 | |
| Yes | 26.2 | 57.6 | 342 | |
| Husband/partner tries to limit respondent’s contact with family | 0.000 | | | |
| No | 81.5 | 36.7 | 1066 | |
| Yes | 18.5 | 60.5 | 241 | |
| Husband/partner insists on knowing where respondent is | 0.000 | | | |
| No | 45.2 | 25.4 | 591 | |
| Yes | 54.8 | 54.0 | 716 | |
| Woman afraid of partner | 0.000 | | | |
| Never | 54.2 | 24.4 | 706 | |
| Sometimes | 27.2 | 58.8 | 354 | |
| Often | 18.6 | 64.4 | 242 | |
| Frequency of getting drunk | 0.000 | | | |
| Never | 59.8 | 30.8 | 782 | |
| Sometimes | 15.2 | 67.5 | 199 | |
| Often | 25.0 | 49.5 | 326 | |
| Respondent’s father ever beat her mother | 0.000 | | | |
| No | 48.2 | 29.7 | 559 | |
| Yes | 51.8 | 52.2 | 600 | |
| Total | 100 | 41.4 | 1307 | |
attitudes justifying physical violence [19]. We opted to consider individual rather than aggregated variables to facilitate identification of specific measures that significantly influence IPPV for purposes of targeted responses by practitioners. With regard to partner controlling behaviour, the results show that in the Ugandan context, accusing the female partner of infidelity is the strongest measure, followed by limiting her contact with female friends and insistence on knowing her whereabouts.

Table 3 Results of logistic regression of IPPV and empowerment indicators controlling for women’s socio-demographic factors and male partners’ behaviours in Uganda (DHS 2011)

| Experienced intimate partner physical violence (IPPV) in the last 12 months | Model 1 | Model 2 | Model 3 |
|--------------------------------------------------------------------------|---------|---------|---------|
| **Beating justified if wife:**                                           |         |         |         |
| Argues with husband                                                      | 2.431   | 0.000   | 2.233   |
| Yes                                                                      | 1.000   | 1.000   | 1.000   |
| No (rc)                                                                  | 1.000   | 1.000   | 1.000   |
| Refuses to have sex with husband                                        | 1.392   | 0.058   | 1.417   |
| Yes                                                                      | 1.000   | 1.000   | 1.000   |
| No (rc)                                                                  | 1.000   | 1.000   | 1.000   |
| **Accuses woman of unfaithfulness**                                      |         |         |         |
| Yes                                                                      | 2.254   | 0.224   | 1.592   |
| No (rc)                                                                  | 1.000   | 1.000   | 1.000   |
| **Doesn’t permit her to meet female friends**                            |         |         |         |
| Yes                                                                      | 1.299   | 0.245   | 1.052   |
| No (rc)                                                                  | 1.000   | 1.000   | 1.000   |
| **Limits her contact with family**                                       |         |         |         |
| Yes                                                                      | 1.228   | 0.401   | 0.437   |
| No (rc)                                                                  | 1.000   | 1.000   | 1.000   |
| **Insists on knowing where she is**                                      |         |         |         |
| Yes                                                                      | 2.003   | 0.000   | 1.532   |
| No (rc)                                                                  | 1.000   | 1.000   | 1.000   |
| **Residence**                                                            |         |         |         |
| Rural                                                                    | 0.906   | 0.709   | 1.000   |
| Urban (rc)                                                               | 1.000   | 1.000   | 1.000   |
| **Women’s education level**                                              |         |         |         |
| None (rc)                                                                | 1.000   | 1.000   | 1.000   |
| Primary                                                                  | 1.228   | 0.401   | 0.437   |
| Secondary or higher                                                      | 1.299   | 0.437   | 0.437   |
| **Woman owns a house alone or jointly**                                  |         |         |         |
| Yes                                                                      | 1.227   | 0.333   | 1.000   |
| No (rc)                                                                  | 1.000   | 1.000   | 1.000   |
| **Women’s occupation**                                                   |         |         |         |
| Not working (rc)                                                         | 1.000   | 1.000   | 1.000   |
| Professional                                                             | 0.098   | 0.000   | 0.000   |
| Agriculture                                                              | 0.803   | 0.306   | 0.306   |
| Sales                                                                    | 0.815   | 0.451   | 0.451   |

Bold means p-value < 0.05.

Wealth index

|            | Model 1 | Model 2 | Model 3 |
|------------|---------|---------|---------|
| Poorest (rc) | 1.000   | 0.711   | 0.194   |
| Poorer      | 0.880   | 0.661   | 0.026   |
| Middle      | 0.849   | 0.187   | 0.027   |
| Richer      | 0.452   | 0.072   | 0.111   |
| Richest     | 1.549   | 0.142   | 1.000   |

Region

|       | Model 1 | Model 2 | Model 3 |
|-------|---------|---------|---------|
| Central (rc) | 1.000   | 1.413   |
| Eastern   | 1.708   | 0.187   |
| Northern  | 1.549   | 0.111   |
| Western   | 1.000   | 1.000   |

Parity

|       | Model 1 | Model 2 | Model 3 |
|-------|---------|---------|---------|
| None (rc) | 1.000   | 3.603   |
| 1-4 children | 3.012   | 0.000   |
| 5+ children  | 4.631   | 0.000   |

Frequency of getting drunk

|       | Model 1 | Model 2 | Model 3 |
|-------|---------|---------|---------|
| Never (rc) | 1.000   | 3.012   |
| Sometimes | 3.169   | 0.000   |
| Often    | 3.067   | 0.010   |

Respondent’s father ever beat her mother

|       | Model 1 | Model 2 | Model 3 |
|-------|---------|---------|---------|
| Yes   | 2.163   | 0.000   |
| No (rc) | 1.000   | 1.000   |

Wealth index

|            | Model 1 | Model 2 | Model 3 |
|------------|---------|---------|---------|
| Poorest (rc) | 1.000   | 0.711   | 0.194   |
| Poorer      | 0.880   | 0.661   | 0.026   |
| Middle      | 0.849   | 0.187   | 0.027   |
| Richer      | 0.452   | 0.072   | 0.111   |
| Richest     | 1.549   | 0.142   | 1.000   |

Region

|       | Model 1 | Model 2 | Model 3 |
|-------|---------|---------|---------|
| Central (rc) | 1.000   | 1.413   |
| Eastern   | 1.708   | 0.187   |
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| Western   | 1.000   | 1.000   |

Parity

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|-------|---------|---------|---------|
| None (rc) | 1.000   | 3.603   |
| 1-4 children | 3.012   | 0.000   |
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Frequency of getting drunk

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| Never (rc) | 1.000   | 3.012   |
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Respondent’s father ever beat her mother

|       | Model 1 | Model 2 | Model 3 |
|-------|---------|---------|---------|
| Yes   | 2.163   | 0.000   |
| No (rc) | 1.000   | 1.000   |

Bold means p-value < 0.05.
drunk. The fact that about 40% of the partners got drunk is a major cause for concern (Table 2). Recent studies in Uganda using the 2006 UDHS data [31,32,37] reported a similar finding. Studies elsewhere in: South Africa [38], Ethiopia [22,39], Rwanda [30], Botswana [39], China [40], Nepal [35], Indonesia [41], Poland [42], USA [43] and WHO multi-country study [23] confirmed the relationship between alcohol drinking and intimate partner physical violence.

Economic empowerment in form of women's occupation was significantly associated with IPPV, where women in professional employment had decreased odds of experiencing IPPV compared to those who were not working. Professional employment may not only entail access to better incomes and therefore improvement in wealth, but is also accompanied by exposure, and enhancement of social status, which can mitigate the risk of IPPV. The results show that increase in wealth at household level reduces the odds of experiencing IPPV. A WHO multi-country study reported that higher socio-economic status protected women from IPPV [23].

Some studies have asserted that economic empowerment is not the sole protector of women against IPPV [13]. For instance, better incomes and therefore, access and control over economic resources does not necessarily protect women from IPPV as the case of Mexico [9] and USA [44]. In this study, ownership of resources (house) and decision making concerning spending women's incomes were not significantly associated with IPPV (see Table 3). Qualitative sources of an urban based study among business women revealed that business women of higher economic status experienced IPPV more than their lower economic status counterparts [15]. The fact that professional employment reduces the risk of IPPV implies that incomes have to be combined with social status. It is also important to consider the socio-economic status of the spouse [14].

In contrast with other studies [19], agency in terms of decision making autonomy regarding health care, major purchases, daily expenditures and attitudes justifying physical violence and economic empowerment in terms of ownership of resources were not associated with IPPV (see Table 3). An index for decision making measures (and one for women's attitudes) was developed and fitted with IPPV with no significant association. This is contrary to the findings of Antai's study of IPV among Nigerian women which reported that women's decision making autonomy was significantly associated with IPPV, where decision making autonomy reduced the risk of IPPV [11,15,44]. This highlights the importance of analysis of the socio-economic context specific population under study.

Socio-demographic factors namely women's wealth index, parity and witnessing of parental violence were associated with IPPV. Parity has been associated with increase in IPPV [46]. Our findings too show that the odds of experiencing IPPV among women in union increase with increase in number of children. A US facility based study also revealed that the odds of occurrence of IPPV increased with each additional pregnancy [47,48]. Increase in number of children implies divided attention due to childcare, and in some cases emotional and economic strain. It also coincides with advancement in age which often results in extra marital relations, among other conflicts, that can result in IPPV.

As established in Uganda [17] and elsewhere [20,22] witnessing of parental IPPV perpetrated by fathers on the part of the respondents, is significantly associated with reports of experience of IPPV. Such experiences become part of socialization that nurtures attitudes that tolerate or accept IPPV, which contributes to actual occurrence of IPPV. This leads to intergenerational transmission of IPPV [49].

Conclusions

The analysis reveals that factors associated with IPPV in Uganda are mainly related to male partners' behaviours specifically, control behaviours associated with suspicion of infidelity; and getting drunk. These factors explain the significance of women's fear of their partners which could also be a consequence of IPPV. In such a context, women's empowerment has limited mitigating effect on IPPV, reflected only in relation to professional employment. Whereas household wealth had a mitigating effect on IPPV, witnessing of parental IPPV and parity increased the likelihood of IPPV. It is apparent that factors associated with IPPV vary depending on the social context of the women and their partners.

Based on these findings, analyses of empowerment and IPPV should consider social contexts. We recommend qualitative inquiry into the socio-economic issues surrounding IPPV in Uganda. Addressing IPPV in Uganda requires concerted efforts that target men to address excessive alcohol consumption and raise awareness and instil security in relationships. Problem drinking and insecurities in relationships are indicators of disempowerment! Consciousness raising and programmes geared towards countering perpetuation and tolerance of violence in the domestic sphere should be promoted. Empowerment programs should not only address women but men as well.

Competing interests

The authors declare that they have no competing interests.
Authors’ contributions

BK and SOW conceived and designed the study. BK wrote the background and SOW analysed the data. Both SOW and BK were involved in the interpretation of the results and drafting of the manuscript. PN was involved in drafting and reviewing the manuscript. PN, AK, BK and SOW read and reviewed the manuscript. All authors read and approved the manuscript.

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Acknowledgements

We thank Measure DHS for granting us permission to use the UDHS data. We would like to thank the School of Statistics and Planning and the College of Business and Management Sciences (COBAMS) for funding the two days retreat where this manuscript was developed. Great thanks to Professor James Ntozi, Gideon Rutaremwa, Abel Nzabona, Michael Mugisha and John Mushomi for their comments to this paper.

Received: 2 April 2013 Accepted: 25 November 2013
Published: 1 December 2013

References

1. Garcia-Moreno C, Watts C. Violence against women: An urgent public health priority. Bull World Health Organ 2011, 89:2–2.
2. Koening MA, et al. Individual and contextual determinants of domestic violence in North India. J Int J 2006, 96(1):132–138.
3. Diop-Sidibé N, Campbell JC, Becker S. Domestic violence against women in Egypt—wife beating and health outcomes. Soc Sci Med 2006, 62(5):1260–1277.
4. Silverman JG, et al Intimate partner violence and HIV infection among married Indian women. JAMA 2008, 300(6):703–710.
5. Osinde MO, Kaye DK, Kakaire O: Intimate partner violence among women with HIV infection in rural Uganda: Critical implications for policy and practice. BMC Womens Health 2011, 11(Suppl 2):57.
6. Andersson N, et al Male responsibility and marital morbidity: A cross-sectional study in two Nigerian states. BMC Health Serv Res 2011, 11(Suppl 1):57.
7. UBOs and ICF International: Uganda Demographic and Health Survey 2011. Kampala, Uganda: UBOs and Calverton, Maryland: ICF International Inc. 2012.
8. Kasturirangan A: Empowerment and programs designed to address domestic violence. Violence Against Women 2008, 14(12):1665–1675.
9. Castro R, Casique I, Brindis CD: Empowerment and physical violence throughout women’s reproductive life in Mexico. Violence Against Women 2008, 14(6):655–677.
10. Sineen M, Niral M, Stan B: Measurement of women’s empowerment in rural Bangladesh. World Dev 2011, 39(3):610–619.
11. Hindin MJ, Adair LS: Who’s at risk? Factors associated with intimate partner violence in the Philippines. Soc Sci Med 2002, 55(8):1385–1399.
12. Kalber N: Gender equality and women’s empowerment: A critical analysis of the third millennium development goal 1. Gend Dev 2005, 13(1):13–24.
13. Dalal K: Does economic empowerment protect women from intimate partner violence? J Int Violence Res 2011, 5(1):35–44.
14. UBOs. The 2002 Uganda Population and Housing Census in Main Report. Kampala, Uganda: Uganda Bureau of Statistics; 2002.
15. Kwagala B: Integrating women’s reproductive roles with productive activities in commerce: The case of businesswomen in Kampala, Uganda. Urban Stud 1999, 36(9):1535–1550.
16. Upadhyay UD, Karasek D: Women’s empowerment and ideal family size: An examination of DHS empowerment measures in Sub-Saharan Africa. Int Perspect Pop Reprod Health 2012, 38(2):78–89.
17. Speizer IS: Intimate partner violence attitudes and experience among women and men in Uganda. J Interpers Violence 2010, 25(7):1224–1241.
18. Boyle ME, et al: Community influences on intimate partner violence in India: Women’s education, attitudes towards mistreatment and standards of living. Soc Sci Med 2009, 69(5):691–697.
19. Antai D: Controlling behavior, power relations within intimate relationships and intimate partner physical and sexual violence against women in Nigeria. BMC Public Health 2011, 11:51.
20. Haringer JA, Hindin M: Like parent, like child: Intergenerational transmission of partner violence in Cebu, the Philippines. J Adolesc Health 2009, 44(4):363–371.
21. Patel S, et al. In the face of war: Examining sexual vulnerabilities of Acholi adolescent girls living in displacement camps in conflict-affected Northern Uganda. BMC Int Health Hum Rights 2012, 12:138.
22. Abyea S, Afterwo M, Yalew A: Intimate partner violence against women in western Ethiopia: Prevalence, patterns, and associated factors. BMC Public Health 2011, 11(9):191.
23. Abramsky T, et al: What factors are associated with recent intimate partner violence? Findings from the WHO multi-country study on women’s health and domestic violence. BMC Public Health 2011, 11(1):109.
24. Garcia-Moreno C, et al.: Prevalence of intimate partner violence: Findings from the WHO multi-country study on women’s health and domestic violence. Lancet 2005, 368(9543):1262–1269.
25. MeasureDHS: Measure DHS: Demographic and Health Surveys 2013 [cited 2013 1st January], 2013. Available from: http://measuredhs.com/data/dataset/UGanda_Standard-DHS_2011.dml?flag=0.
26. Straus MA, et al. The revised Conflict Tactics Scales (CTS2) development and preliminary psychometric data. J Fam Issues 1996, 17(2):283–318.
27. WHO. Putting women first: Ethical and safety recommendations for research on domestic violence against women. Geneva: World Health Organization; 2001.
28. Lee-Rife SM. Women’s empowerment and reproductive life experiences over the life course. Soc Sci Med 2010, 71a:634–642.
29. Lasser R, et al: Community perceptions of intimate partner violence - a qualitative study from urban Tanzania. BMC Womens Health 2011, 11(1):13.
30. Ntaganira J, et al: Community perceptions of intimate partner violence in Rwanda. BMC Womens Health 2008, 8(1):17.
31. Tumwineyige N, et al: Problem drinking and physical intimate partner violence against women: Evidence from a national survey in Uganda. BMC Public Health 2012, 12(1):399.
32. Wandera SO, Ntsoi JPM, Kwagala B: Spousal sexual violence, sexual behavior and sexually transmitted infections among ever-married women in Uganda, African Popul Stud 2010, 24(1):72–80.
33. Zacarias AE, et al: Intimate partner violence against women in Maputo city, Mozambique. BMC Int Health Hum Rights 2012, 12(1):35.
34. Krantz G, Vuong N: The role of controlling behaviour in intimate partner violence and its health effects: A population based study from rural Vietnam. BMC Public Health 2009, 9(1):143.
35. Adhikari R, Tamang J: Sexual coercion of married women in Nepal. BMC Womens Health 2010, 10(1):31.
36. El-Bassel N, et al: Fear and violence: Raising the HIV stakes. AIDS Education and Prevention 2000, 12(2):154–170.
37. Karamagi C, et al: Intimate partner violence against women in eastern Uganda: Implications for HIV prevention. BMC Public Health 2006, 6(1):284.
38. Jiwaraes R, Levin J, Penn-Kennkela L: Risk factors for domestic violence: Findings from a South African cross-sectional study. Soc Sci Med 2002, 55(9):1603–1617.
39. Feseha G, G’marian A, Gerbaba M: Intimate partner physical violence among women in shimelba refugee camp, Northern Ethiopia. BMC Public Health 2012, 12(1):125.
40. Tang CS-K, Lai BP-Y: A review of empirical literature on the prevalence and risk markers of male-on-female intimate partner violence in contemporary China, 1987–2006. Aggression Violent Behav 2008, 13(1):10–28.

41. Hayati E, et al: Behind the silence of harmony: Risk factors for physical and sexual violence among women in rural Indonesia. BMC Womens Health 2011, 11(1):52.

42. Makara-Studzinska M, Gustaw K: Intimate partner violence by men abusing and non-abusing alcohol in Poland. Int J Environ Res Public Health 2007, 4(1):76–80.

43. Cunradi CB: Neighborhoods, alcohol outlets and intimate partner violence: Addressing research gaps in explanatory mechanisms. Int J Environ Res Public Health 2010, 7(3):799–813.

44. Perez S: The attenuating effect of empowerment on IPV-related PTSD symptoms in battered women living in domestic violence shelters. Violence Against Women 2012, 18(1):102–117.

45. Lamichhane P, et al: Women’s status and violence against young married women in rural Nepal. BMC Womens Health 2011, 11(1):19.

46. Lipsky S, et al: Police-reported intimate partner violence during pregnancy: Who is at risk? Violence Vict 2005, 20(1):69–86.

47. Gee RE, et al: Power over parity: intimate partner violence and issues of fertility control. Am J Obstet Gynecol 2009, 202(1):48.e1–48.e7.

48. Rickert VI, et al: The relationship among demographics, reproductive characteristics, and intimate partner violence. Am J Obstet Gynecol 2002, 187(4):1002–1007.

49. Stith SM, et al: The intergenerational transmission of spouse abuse: A meta-analysis. J Marriage Fam 2000, 62(3):640-654.

doi:10.1186/1471-2458-13-1112
Cite this article as: Kwagala et al: Empowerment, partner’s behaviours and intimate partner physical violence among married women in Uganda. BMC Public Health 2013 13:1112.