Postpartum nurses’ perceptions of barriers to screening for intimate partner violence:

A cross-sectional survey

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Barriers to Screening for Intimate Partner Violence

Abstract

Background

Intimate partner violence (IPV) is a human rights violation that is pervasive worldwide, and is particularly critical for women during the reproductive period. IPV includes physical, sexual and emotional abuse. Nurses on in-patient postpartum units are well-positioned to screen women for IPV, yet low screening rates suggest that barriers to screening exist. The aim of this study was to explore perceptions of barriers to screening for IPV on postpartum units in a non-representative sample of Canadian nurses.

Methods

In 2008, we conducted a cross-sectional survey of 96 nurses from postpartum inpatient units in three Canadian urban hospitals. The survey included the Barriers to Abuse Assessment Tool (BAAT) adapted for postpartum nurses (PPN), and an item about language fluency as a barrier to screening. Multiple regression models were used to predict barriers to screening for each type of IPV.

Results

With socio-demographic covariates controlled, the variances in screening for physical, sexual, and emotional abuse explained by the BAAT-PPN were 10%, 11%, and 11%, respectively. Adding the language fluency item to the regression models, increased the variances explained in screening for physical, sexual, and emotional abuse to 24%, 15%, and 31%, respectively.

Conclusions

Our findings support an inverse relationship between rates of screening for IPV and nurses’ perceptions of barriers. Barriers to screening for IPV, particularly related to language fluency, need to be addressed to increase rates of screening on postpartum units.
Background

Intimate partner violence (IPV) is a human rights violation that is pervasive worldwide, and crosses all social, economic, racial, ethnic, and cultural boundaries [1]. In a Canadian sample estimated to represent 653,000 women, 7% reported IPV of such severity that they feared for their lives, suffered serious injuries, and sought medical assistance [2]. Women who experience IPV can suffer a variety of long term health consequences, including depression [3-5] anxiety [6], and physical harm [4, 7-9]. In Canada, health care costs for IPV-related injuries are estimated to be $4.2CDN billion annually [2]. IPV that occurs during the reproductive period creates additional risks for the mother and foetus. In a representative Canadian sample (N = 6,421) of biological mothers 15 years and older who gave birth in 2006, 10.9% experienced IPV within the last 2 years, and 3.3% reported one or more occurrences during their pregnancy [5]. IPV-related injuries result in increased reproductive health risks including placental abruption [10], preterm labour [5, 6, 10-13], preterm birth [14], antepartum haemorrhage [15], delivery of a low birth weight infant [10, 16], and chorioamnionitis [17]. Pregnant women incurring kicks or blows to the abdomen from their partner are sufficiently injured to be admitted to hospital [16, 18]. However, not all women seek treatment when injured. In a US study of 3,542 women who experienced and reported IPV during the postpartum period, 77% were injured, but only 23% received medical treatment for their injuries [19]. Women who experience IPV are more likely to be identified during health care encounters if screening occurs [7, 20, 21].

Barriers to screening for IPV in health care settings

Generally, screening for IPV is conducted in physician offices [22, 23], clinics [22-24], outpatient areas [25], and emergency departments [20, 22, 26-29]. In these health care settings, reported barriers to screening for IPV included (a) lack of privacy to screen [26, 30], (b)
language barriers [15, 29-32], (c) cultural barriers [31, 32], (d) lack of knowledge about IPV [26, 29], (e) lack of information about screening tools, personal perceptions and feelings about domestic violence, (f) lack of time to screen [26, 29], (g) lack of instruction on how to ask questions about abuse [29], (h) a personal or family history of abuse [29], (i) not knowing what to do in the event of disclosures, and (j) fear of shocking the patient [32]. Nurses on inpatient postpartum units are well-positioned to screen women for IPV due to the one-to-one, intimate care provided. The trust relationship developed between nurses and postpartum women can be an important precursor to women’s willingness to disclose IPV [33]. In spite of professional responsibility to screen for IPV [34], [35], screening rates are low [28, 36], suggesting that barriers exist that prevent nurses from screening for IPV. The aim of this study was to explore perceptions of barriers to screening for IPV on postpartum units in a sample of Canadian nurses.

Risk factors associated with IPV during the reproductive period

IPV is cyclical and may be misunderstood or unrecognized by the victimized woman [37]. During the reproductive period, risk factors for IPV include minority status [38], young maternal age [38], single, separated or divorced marital status [38], unstable partner relationship [32], low education [38, 39], and low income [39].

Variation in rates of IPV during the reproductive period

Pregnancy may trigger higher rates of IPV for some women [40], while acting as a protective mechanism for others [41]. In a representative sample of Canadian women (N = 6,421), 47% of women who were exposed to IPV during pregnancy reported a decrease in abuse, 5.4% reported an increase while the remainder reported that amount of abuse stayed the same [5]. This finding is similar to others [10] that reported that IPV did not increase during pregnancy. In other
Barriers to Screening for Intimate Partner Violence

studies, IPV is reported to escalate during the postpartum period [19, 42]; [43, 44], and for up to 33 months post delivery [39]. Peaks of IPV in the reproductive period vary by the type of abuse (i.e., physical, sexual, and psychological) [41]. In a sample of low-income women, IPV victims (n = 31) and comparison participants (n = 45) reported that rates of physical abuse peaked for victims of IPV during the first 3 months of pregnancy and then declined [41]. Rates of physical abuse were lower in the comparison group than the IPV victim group, with the highest rates occurring 12 months before pregnancy and during the 7 to 12 months after infant delivery [41]. In both the victim and comparison groups, rates of sexual and emotional abuse were highest during the month following infant delivery [41]. In another study, physical abuse peaked during the first 6 months of pregnancy, while sexual and psychological abuse peaked in the month after delivery [45]. Thus, there is some indication that screening during the postpartum period may be an opportune time to identify current sexual and emotional abuse. However, emotional abuse frequently accompanies physical abuse [37, 44] and any abuse during the perinatal period was found to be predictive of later abuse [41]. While there are inconsistencies in the literature about risk for IPV during pregnancy [38], it is clear that there is a substantially increased risk for IPV during the reproductive period for some women.

Screening for IPV during the postpartum period may be a timely opportunity to prevent subsequent abuse and poor outcomes; yet screening rates are low [28, 36]. This suggests that there are barriers that need to be addressed to enable nurses conduct appropriate screening. The purpose of this study was to determine (a) the frequency of screening for IPV on postpartum units, (b) the most important barriers to screening for IPV as identified by postpartum nurses, (c) the relationship between the barriers to screening for IPV and the frequency of screening for
types of abuse, and (d) and to identify other factors that contribute to the frequency of screening for IPV by PPNs.

METHODS

Participants
A cross-sectional survey was conducted with nurses from the postpartum units in the three hospitals that provide maternity care for 17,500 births annually [46] in a large Canadian city. Nurses from any practice position (staff nurse, educator, and managers) were eligible to participate if they were employed (full-time, part-time, or casual) on one of the units in 2008. Of the 291 nurses who were eligible to participate, 96 returned a completed survey (33% response rate). To maintain nurses’ anonymity, minimal socio-demographic data were collected. See Table 1. There were 76 Registered Nurses (RNs) and 20 Licensed Practical Nurses (LPNs) who participated. The average age of nurses in the study was 41.7 years (SD 12.93), which was similar to the average age of RNs (58% were > 41 years) [47] and LPNs (41.2 years) [48] practicing in the province in 2008. Of the 76 RNs, half held a diploma and half held a baccalaureate degree, which is similar to the average educational levels of practicing RNs in the same year [47].

[Insert Table 1 about here.]

Measures
The Barriers to Abuse Assessment Tool (BAAT) was adapted with permission from the author [49] for use with nurses on postpartum units (BAAT-PPN). Minor adaptations included changes to (a) the name of the nursing practice setting (i.e., postpartum versus labor and delivery), (b)
nursing skill mix (i.e., addition of LPNs), and (c) titles for nursing practice licensing
organizations. The BAAT-PPN consisted of 31 items grouped into six subscales: Systemic (nine
items, e.g., inadequate administrative and management support), Ethical (two items; e.g., should
not assess for abuse if necessary support and resources are lacking), Knowledge (four items;
e.g., inadequate knowledge about the phenomenon of pregnancy abuse), Personal (six items;
e.g., pregnancy abuse is a private problem), Fear (four items; e.g., retaliation by the partner that
is directed at me), and Nursing Role Barriers (six items; e.g., the issue should be left to the
experts and is not the domain of nursing practice). Each item was rated on a 4-point Likert scale
ranging from 1 (strongly disagree) to 4 (strongly agree). The theoretical range of scores was 31
to 124, with higher scores indicating greater barriers to screening for IPV. Items for each
subscale were summed to create a subscale score; subscale scores were summed to create a total
score. For this study, the internal consistency reliability (Cronbach’s alpha) for the BAAT-PPN
total score was .81. Cronbach’s alphas for the subscale scores ranged from .50 (Ethical Barriers)
to .83 (Systemic Barriers). The Spearman-Brown Prophecy stating that Cronbach’s alpha
increases with increasing number of items on the scale may explain the low alpha (.50) for the
Ethical Barriers subscale that contained only two items[50].
The BAAT-PPN was pilot tested with 10 PPNs from a variety of practice positions (e.g., staff
nurses, patient care managers, and nurse educators). During the pilot test, language fluency was
identified as a barrier to screening for IPV in a multicultural context, and was added as a separate
item to the survey. The item, I do not assess a woman for abuse if she does not speak and
understand a language in which I am fluent, was rated on a 4-point Likert scale ranging from 1
(strongly disagree) to 4 (strongly agree).

**Procedure**
Ethical and administrative approvals were obtained from the Conjoint Health Research Ethics Board (ID #21471). Following information sessions, PPNs were invited to complete a survey. The unit clerk placed an envelope containing an information sheet about the study and an anonymous survey in each PPN’s mailbox on the postpartum unit. Consent to participate was implied by return of a completed survey to a locked drop-box near the nursing station. Surveys were collected several times per week between March and May 2008.

Data Analyses

Data were examined for outliers; two outliers were retained because of their potential clinical significance. Means/standard deviations and frequencies/percentages were calculated to describe the sample, scores on the BAAT-PPN, and the frequency of screening for types of abuse. There were no significant differences between RN and LPN in their frequency of screening for any type of IPV, $F(1,94) = .80, p = .49$; RN and LPN data were combined for analyses. PPN age and years of practice were significantly correlated with frequency of screening for physical and sexual abuse, and employed as covariates in analyses of these variables. No PPN characteristics were correlated with frequency of screening for emotional abuse. Controlling for covariates, multiple regression models were used to predict frequency of PPN screening for physical, sexual and emotional abuse. Data were analyzed using the Statistical Package for the Social Sciences (SPSS) version 19.0. The level of significance was set at $p < .05$.

RESULTS

Frequency of screening for IPV
A minority of PPNs reported that they never screened for physical (7.3%), sexual (45.8%), or emotional (7.3%) abuse. The majority screened sometimes for physical (59.4%), sexual (42.7%), or emotional (56.3%) abuse. The remainder of PPN’s reported that they screened always or often for physical (33.4%), sexual (11.5%), and emotional (36.5%) abuse.

**Barriers to screening for IPV**

The means and standard deviations for the BAAT-PPN subscales and total score are presented in Table 2. PPNs were asked to identify the most important barrier to screening for IPV. Over one-third (37.6%) reported that Knowledge was the most important barrier. The second most important barrier was Systemic (29.0%), followed by Ethical (10.8%) and Nursing Role (10.8%). Few PPNs reported that Personal (5.4%) and Fear (6.5%) barriers were the most important barriers to screening for IPV on a postpartum unit.

[Insert Table 2 about here.]

**Barriers to Screening for IPV and Frequency of Screening for Type of Abuse**

The BAAT-PPN Total score was negatively correlated with screening for physical, sexual, and emotional abuse (see Table 3). Ethical and Personal barriers on the BAAT-PPN were not correlated with the frequency of screening for any type of abuse. Systemic barriers, such as lack of hospital protocols and screening tools, were related to the frequency of screening for physical and emotional, but not sexual abuse. Knowledge and Fear barriers were related to the frequency of screening for each type of abuse. Nursing Role barriers were related to the frequency of screening for emotional abuse only.

[Insert Table 3 about here.]

**Barriers to Screening for IPV**
Three forward stepwise, hierarchical multiple regression models were developed to predict screening for each type of abuse. In Step 1, demographic control variables were inserted. In Step 2, the BAAT-PPN total score was added to determine the amount of variance explained by BAAT-PPN. Controlling for PPN socio-demographic covariates, the variance (Adjusted $R^2$) in PPN screening for physical, sexual, and emotional abuse explained by the BAAT-PPN was 10%, 11%, and 11%, respectively.

**Other Factors Related to Screening for IPV**

PPNs were asked about other factors contributing to the frequency of screening for types of abuse. These factors included fluency in the patient’s language, reading journal articles about IPV, and history of abuse in either professional or personal settings. Only the nurse’s fluency in the patient’s language was correlated with screening for physical ($r = -.43$), sexual ($r = -.32$), and emotional ($r = -.55$) abuse. Three additional hierarchical multiple regression models were developed to explore the contribution of language as a barrier to screening for IPV in Step 3 (see Table 4). With the addition of the language barrier item to the regression models, the variance explained in screening for physical, sexual, and emotional abuse by the BAAT-PPN increased to 22%, 15%, and 32%, respectively.

[Insert Table 4 about here.]

**DISCUSSION**

This study is among the first to report screening practices and barriers to screening for IPV by Canadian nurses on post-partum units. In this study, the majority of PPNs reported screening their patients for physical or emotional abuse at least sometimes. Screening rates for
sexual abuse were much lower; nearly half of PPNs never screened for this type of abuse. Rates of screening for IPV vary across contexts and health care professionals [32, 51-54]. In a US study of emergency department medical records, [51] reported that only 9% of health care professionals documented screening for IPV. However, this rate conflicted with registered nurses’ self-reported rates (45%) of screening in the same emergency department. Others have suggested that 12% of all adult patients in the emergency department were screened for IPV [52]. In a chart review to assess clinician screening practices for domestic violence in a US Emergency Department, only 29% of women ($N = 527$) aged 18 to 65 had ever been screened [54]. Of those women who were screened using the single item question embedded in the medical history, 15% were identified as being victims of IPV. In population-based telephone survey, only 7% of women reported ever having been screened for IPV [53]. In a European study involving 56 healthcare practitioners (social workers, gynaecologists and midwives) in an obstetrical clinic, the researchers found that 4 health care providers routinely screened pregnant women for IPV, while the remaining 52 screened only if they suspected abuse given physical evidence or recurrent complaints of physical or somatic symptoms by the patient. Although the rates of screening for IPV appear to be higher in this study than others, there is no documented evidence to corroborate this self-reported rate of screening. A unique contribution of this study is that rates of screening for IPV may vary by the type of abuse—emotional, physical or sexual.

**Barriers to Screening for IPV**

Findings from this study suggest that systemic barriers contributed to low rates of screening for IPV. PPNs indicated that they did not have an appropriate hospital protocol or screening tools available to assist them in (a) knowing how and when to screen or (b) what to do in the event of disclosure of IPV. PPN’s reported a lack of privacy and time to develop trusting
relationships as a barrier to screening, which is consistent with other reports [15, 29, 30, 55-60]. For example, a study of barriers to screening for IPV in nurses from 10 US sites reported that 91.7% of maternity nurses ($N = 385$) ranked lack of privacy as being the number one barrier [57]. Time constraints and being unsure of actions to take in the event of disclosure were ranked second by 50% of respondents.

Similar to findings in this study, lack of knowledge was a barrier to screening for IPV in other studies [26, 29, 32, 51, 52, 55, 57, 61]. For example, lack of knowledge prevented nurses from completing the implementation of a screening program for domestic violence [26]. These researchers reported that knowledge barriers existed, and needed to be addressed prior to any implementation of a screening program. Lack of knowledge of IPV may be partially attributable to deficiencies in content offered in nursing school curricula. Haagbloom, Hallberg, and Moller [62] found that very few nurses received any kind of formal education about IPV in their educational programs. Others recommended that nurses are well-positioned to take a leadership role to ensure the inclusion of this content in undergraduate curricula [26, 63].

In this study, few PPNs reported that Personal and Fear barriers prevented them from screening for IPV on postpartum units. However, these PPNs were reluctant to mislabel the situation and some expressed fear of reprisal from patients’ partners, also similar to other findings [15, 60, 64, 65].

While the majority of PPNs believe that there may be more appropriate times to screen for IPV (i.e., prenatally or in the community), they also believed that screening for IPV was within the scope of their nursing practice. However, there appear to be inconsistencies in PPN beliefs about screening for IPV and subsequent screening practices. Given that PPNs do not routinely screen for IPV appears to contradict their reported belief that screening for IPV is
within the scope of their nursing practice. These findings concur with the results of a United States study of 1,265 occupational health RNs and LPNs [61]. Both nursing groups considered screening for domestic violence was part of their nursing role, yet 71% were unaware or unsure of the existence of a written IPV policy in their workplace.

**Relationship between Barriers to Screening for IPV and Frequency of Screening**

A unique finding in this study was that barriers to screening for IPV varied depending on the type of abuse. Systemic barriers were negatively related with frequency of screening for physical and emotional, but not sexual abuse. Knowledge and Fear barriers were negatively related to the frequency of screening for each type of abuse. Nursing Role barriers were negatively related to the frequency of screening for emotional abuse only. Programs supporting nurses’ screening for IPV should consider that there may be different barriers related to screening for each type of abuse.

**Other Factors Related to the Frequency of Screening for IPV**

In this study, lack of fluency in the patient’s language affected PPNs frequency of screening for all types of abuse. Language was a stronger predictor of the frequency of screening than any PPN characteristics and the BAAT-PPN barriers. This finding is consistent with those of other researchers who have reported that nurses’ lack of fluency in the language of their patients was a barrier to screening for abuse [15, 30, 57].

Nearly two-thirds of PPNs reported knowing a close friend or family member who experienced IPV. In the current study however, there were no significant correlations between professional or personal experiences with abuse and the frequency of screening for any type of abuse. In contrast, other researchers have found that a personal experience with abuse increased
rates of reporting IPV [29, 60]. Contrasting results may be related to the measurement tool or variations in practice settings.

LIMITATIONS

This study is limited by a small sample of convenience, and a modest response rate. Future studies with larger samples and verification of screening practices using chart audits should be considered. The BAAT-PPN has limited psychometric evaluation. While it shows promise as a tool to assess barriers to screening for IPV during the reproductive period, it may be strengthened by the addition of a language fluency subscale.

IMPLICATIONS

Inability to overcome the barriers to screening means a loss of opportunity to intervene and to break the cycle of IPV. IPV can be repeated throughout generations [66, 67]. The barrier between fluency in the language of the patient and screening for IPV affects PPN nurses’ decisions to screen. Along with nursing staff, hospital translator services and immigrant serving agencies should be involved in any discussions or plans to address the language fluency issue. Other strategies to overcome language barriers include the use of pictures, and other materials depicting IPV in various languages.

According to professional nursing associations, routine screening for IPV is considered a standard of competency for any nursing assessment [34, 35]. Despite the expectations, PPNs in this study reported that they did not routinely screen for IPV. Therefore, there is a contradiction
between expectations identified in nursing practice standards and actual nursing practice. Continuing education is required to address the lack of knowing how and when to assess for IPV and how to respond in the event of disclosure [63]. Nurse managers may wish to consider educational opportunities that include awareness of IPV policies, workshops, in-service training, and clinical practice time to rehearse screening procedures [26, 56, 68].

There have been numerous studies conducted of educational interventions to promote screening [30, 69-72]. However, in these studies, barriers to screening for IPV were not identified until after the initial intervention had been implemented and low frequency of screening remained. According to Davis and Harsh [26], barriers to screening for IPV must be explored prior to implementation of a program to promote universal screening. This finding suggests that the presence of a screening tool and protocols are insufficient to ensure screening. Barriers affecting screening practices must first be identified and then addressed prior to implementing new screening policies and procedures.
Competing interests

The authors declare that they have no competing interests.

Authors’ contributions

MG, KB, CM, and SE designed the study. MG, KB, and CM analyzed the data, led the writing of the manuscript, and approved the final version. Due to her retirement, SE was unable to read or approve the final version.

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REFERENCES

Barriers to Screening for Intimate Partner Violence


Table 1

*Socio-Demographic Characteristics of Nurses (N = 96)*

<table>
<thead>
<tr>
<th></th>
<th>M (SD)</th>
<th>n (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Age (years)</td>
<td>41.7 (12.93)</td>
<td></td>
</tr>
<tr>
<td>Years of Practice</td>
<td>17.4 (14.0)</td>
<td></td>
</tr>
<tr>
<td>Marital Status</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Partnered</td>
<td>64 (68.1%)</td>
<td></td>
</tr>
<tr>
<td>Not partnered</td>
<td>28 (31.9%)</td>
<td></td>
</tr>
</tbody>
</table>
Table 2

*Number of Items, Range of Scores, and Means and Standard Deviations for BAAT-PPN Subscale and Total Scores (N = 96)*

<table>
<thead>
<tr>
<th>BAAT-PPN</th>
<th>Number of Items</th>
<th>Range of Scores</th>
<th>M (SD)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Systemic Barriers</td>
<td>9</td>
<td>14 - 36</td>
<td>25.54 (4.50)</td>
</tr>
<tr>
<td>Ethical Barriers</td>
<td>2</td>
<td>2 - 8</td>
<td>4.21 (1.25)</td>
</tr>
<tr>
<td>Knowledge Barriers</td>
<td>4</td>
<td>5 - 16</td>
<td>10.53 (2.02)</td>
</tr>
<tr>
<td>Fear Barriers</td>
<td>4</td>
<td>5 - 16</td>
<td>10.53 (2.02)</td>
</tr>
<tr>
<td>Personal Barriers</td>
<td>6</td>
<td>2 - 15</td>
<td>10.18 (2.71)</td>
</tr>
<tr>
<td>Nursing Role Barriers</td>
<td>6</td>
<td>4 - 23</td>
<td>12.49 (3.15)</td>
</tr>
<tr>
<td>Total Score</td>
<td>31</td>
<td>32 - 95</td>
<td>73.32 (9.76)</td>
</tr>
</tbody>
</table>

*Note.* a N = 95 due to missing value. BAAT-PPN = Barriers to Abuse Assessment Tool-Postpartum Nurses.
Table 3

Pearson’s Correlation between Barriers to Screening for IPV and Frequency of Screening for Type of Abuse (N = 96)

<table>
<thead>
<tr>
<th>PPN Characteristic</th>
<th>Physical Abuse</th>
<th>Sexual Abuse</th>
<th>Emotional Abuse</th>
</tr>
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<tbody>
<tr>
<td>Systemic</td>
<td>-.269*</td>
<td>-.183</td>
<td>-.222*</td>
</tr>
<tr>
<td>Ethical</td>
<td>-.076</td>
<td>.005</td>
<td>-.093</td>
</tr>
<tr>
<td>Knowledge</td>
<td>-.271*</td>
<td>-.260**</td>
<td>-.287**</td>
</tr>
<tr>
<td>Fear</td>
<td>-.271*</td>
<td>-.260**</td>
<td>-.287**</td>
</tr>
<tr>
<td>Personal</td>
<td>-.063</td>
<td>-.056</td>
<td>-.147</td>
</tr>
<tr>
<td>Nursing Role</td>
<td>-.187</td>
<td>-.198</td>
<td>-.221*</td>
</tr>
<tr>
<td>Total BAAT-PPN</td>
<td>-.328**</td>
<td>-.275**</td>
<td>-.351***</td>
</tr>
</tbody>
</table>

Note. BAAT-PPN = Barriers to Assessment Tool – Postpartum Nurses

* p < .05. ** p < .01. *** p < .001.
Table 4

*Regression Models for Variables Predicting Frequency of Screening for Types of Abuse Using the BAAT-PPN and Language Barrier*

<table>
<thead>
<tr>
<th>Predictor</th>
<th>Physical</th>
<th>Sexual</th>
<th>Emotional</th>
</tr>
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<tbody>
<tr>
<td></td>
<td>$\Delta R^2$</td>
<td>$\beta$</td>
<td>$\Delta R^2$</td>
</tr>
<tr>
<td><strong>Step 1</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Control variables</td>
<td>.04</td>
<td>.08</td>
<td>-</td>
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<tr>
<td><strong>Step 2</strong></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>BAAT-PPN</td>
<td>.06</td>
<td>-.26*</td>
<td>.03</td>
</tr>
<tr>
<td><strong>Step 3</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Language Barrier</td>
<td>.12</td>
<td>-.38**</td>
<td>.04</td>
</tr>
<tr>
<td>Total Adjusted $R^2$</td>
<td>.22***</td>
<td>.15**</td>
<td>.32***</td>
</tr>
<tr>
<td>$n$</td>
<td>77</td>
<td>77</td>
<td>95</td>
</tr>
</tbody>
</table>

*Note.* BAAT-PPN = Barriers to Abuse Assessment Tool – Postpartum Nurse.

*a Control variables include nurse age and years of practice.

*p < .05. ** p < .01. *** p < .001.*