



Related Factors of Domestic Violence: A Population-Based Research on Iranian Women

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Abstract

Objectives: The domestic violence rate is increasing. It is influenced by many factors. The present study aimed to determine the domestic violence level among Iranian women in Bandar Abbas in 2015.

Materials and Methods: The present study is an analytical cross-sectional research based on non-random sampling. The study was performed on 400 women who referred to the health centers in Bandar Abbas, from January to the end of September 2015. The study data were collected using demographic, obstetric and domestic violence questionnaires and were analyzed using SPSS version 22.0.

Results: The total degree of domestic violence was 54%. The most prevalent physical, psychological and sexual violence were shouting and swearing (41.4%) followed by request to have intercourse without your consent (30.8%) and slapping (25.7%). A significant relationship was observed between domestic violence and husband's age, marital duration, the wife's independent income as well as the family's income, wife's educational degree and wife's job, husband's addiction, marital satisfaction, a record of criminal conviction, and experience of violence in childhood ($P < 0.05$).

Conclusions: The most frequent type of violence against women was psychological violence in Bandar Abbas. Therefore, screening is recommended for women to improve their health condition.

Keywords: Domestic violence, Violence against women, Torturing wife

Introduction

The World Health Organization (WHO) defined domestic violence as “the range of physically, psychologically and sexually coercive acts used against adult and adolescent women by current or former male intimate partners” (1). Domestic violence is an important health problem in the countries, which devastates the configuration of communities and threatens the individual's life, health and happiness (2,3) Therefore, evaluation of the association between the different types of domestic violence and health consequences is required (4). In general, almost 40% to 50% of women reported some levels of domestic violence in their lives (5). Domestic violence threatens the psychological and physical health and sometimes leads to suicide (6). According to a statement by the WHO, preventing domestic violence against women has been presented as one of the most important health priorities (1). According to a national plan conducted in 28 provinces in Iran, 66% of the studied households reported experiencing violence at least once after marriage and the violence was severe and serious in 30% and 10% of the cases, respectively. The study also showed that violence caused a temporary or permanent damage to women (7). Among the main causes of domestic violence are low

occupation level, low-income level of families and low education level (8) as well as addiction and criminal conviction of the spouse (9). Other causes of violence may include inadequate family support, substandard dowry given to the bride, smoking, women's lack of an independent source of income, marital dissatisfaction and the absence of consanguineous marriage (10). Furthermore, duration of marriage and being away from family (11), unwanted pregnancy (12), pregnancy more than 6 times, having 4 or more female children and being forced to give birth to a son were reported to be related to violence (11). Among other factors contributing to violence against women are sexual dysfunction, history of psychiatric disorders and experience of violence in childhood (5,11). Domestic violence causes a turbulent relationship between husband and wife which may harm the family relationship and impair psychological health and marital satisfaction (13).

Based on the family systems theory, family members can both influence each other and be affected by other members. Therefore, any problem related to a member causes a challenge and a change in the family system (14). Violence and abuse in families occur frequently with significant impact on children of all ages (15). Studies have

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shown that stressful factors lead to feelings of helplessness and lack of control in couples which eventually result in marital crisis (16). Imperfect communication skills also provide an essential contribution to the vulnerability of marital relations (17). The present study aimed to evaluate the domestic violence level and related factors on Iranian women in Bandar Abbas. The findings of this study also provide suitable strategies for preventing, screening, and increasing the awareness of health professionals to identify women at risk and prevent its consequences. These findings are suitable to prevent violence against women, especially pregnant women and promote physical and psychological health in pregnancy and empower women by informing them of their rights. Finally, this research purposed to evaluate the degree of domestic violence and its related factors among women in 2015.

Materials and Methods

This study is an analytical cross-sectional research conducted from January to the end of September in 2015. The participants of this study were all women who referred to health centers of Bandar Abbas. Subjects were selected from 4 health centers that had the most clients. Subjects were selected using systematic random sampling. The sample size was calculated using the below formula which resulted in 400 subjects:

$$n \geq \left[\frac{(z_{1-\alpha/2} + z_{1-\beta})^2}{0.5 \times \ln \left[\frac{(1+r)}{(1-r)} \right]} \right] + 3$$

The researcher attended the research centers, presented a written introduction and obtained a written informed consent from the eligible subjects without any coercion, threats, or seduction. Subjects were informed about the research procedure, objective and duration of data collection. Subjects were preferably chosen among the married women who had the ability to understand the questions and were from Bandar Abbas. Systematic random and purposive sampling methods were applied in this study. Thus, the researcher went to the selected health centers and completed the questionnaires for the eligible individuals who were willing to take part in the study.

The data collection tools included demographic and reproductive characteristics as well as the Domestic Violence Questionnaire. The Domestic Violence Questionnaire defines violence as any kind of violent act committed by a husband that is measured in three forms of physical, psychological, and sexual abuse. The women who gave at least one positive response to the questions of the Domestic Violence Questionnaire were regarded as abused.

A questionnaire which was prepared by Iranian researchers was used to collect information on violence. The questionnaire was developed according to the social and cultural conditions of Iranian society and its validity and reliability were assessed previously (18,19). The

questionnaire included 26 items (the first 10 items on physical violence, 5 items on sexual violence, and 11 items on psychological violence) based on the 5-point Likert scale (never, one time, 2 times, 3-5 times, more than 5 times). Since the questions were adjusted according to the specific conditions and requirements of the target group in the current study, the validity and reliability of the questionnaire were tested again. The content validity of the questionnaire was approved by a panel of experts in the field and the face validity was confirmed in a pilot study on 15 women. The internal reliability of the questionnaire was acceptable (Cronbach $\alpha = 0.85$).

Statistical Analysis

Finally, the data were extracted and analyzed using descriptive statistics (mean, SD, frequency, and percentage) and analytical statistics (logistic regression) by the Statistical Package for Social Sciences (SPSS) software version 22.0 (IBM® Corp., Armonk, NY USA). A *P* value less than 0.05 was considered significant.

Results

All women were interviewed. The response rate was 100%. The mean age of subjects was 32.74 ± 8.39 years and the mean spousal age was 36.25 ± 9.26 years. Consanguineous marriage was observed in 27% of the subjects. Most of the subjects (50.3%) had academic education, 49.7% had a diploma or lower levels of education, and 44.3% of the subjects had husbands with academic education, 55.7% had a diploma or lower levels of education. The average marital duration was 10.76 ± 9.8 years. Housewives comprised 55.10% of the subjects. Family income of the majority of subjects (58%) was more than 10 million Rials monthly. Most of the subjects (54.70%) lived in their own houses and the others lived in organizational houses, rented houses, or with their spouse parents (with their in-laws). The average household size in this study was 3.49 ± 1.41 and the average number of children was 1.54 ± 1.56 .

The prevalence of violence is reported in Table 1. The majority of violence experience was related to psychological violence (54.5%) followed by physical violence (39.8%), and sexual violence (35%). The most prevalent physical, psychological and sexual violence was shouting and swearing (41.4%) followed by the request to have intercourse without your consent (30.8%) and slapping (25.7%).

The results of logistic regression test indicated that there was a significant association between domestic violence and husband's age ($P=0.012$, odds ratio [OR]=0.91), duration of marriage ($P=0.001$, OR=1.11), wife's economic independence ($P=0.032$, OR=0.65), family's income ($P=0.005$, OR=0.54), wife's educational level ($P=0.028$, OR=1.51), wife's occupation ($P=0.02$, OR=0.34), spousal addiction ($P=0.041$, OR=0.48), marital satisfaction ($P=0.0025$, OR=0.97), record of criminal conviction ($P=0.05$, OR=0.21), and experience

Table 1. Distribution of Violence Against Women in Bandar Abbas in 2015

Type of Violence		Violence Intensity				
		Very Intense	Intense	Average	Slight	Never
		No. (%)	No. (%)	No. (%)	No. (%)	No. (%)
Physical	Pushing	37 (3.9)	13 (3.3)	17 (4.3)	26 (6.5)	370 (76.8)
	Slapping	30 (7.5)	29 (7.2)	14 (3.5)	30 (7.5)	297 (74.3)
	Kicking	39 (9.8)	13 (3.3)	11 (2.8)	16 (4)	321 (80.3)
	Throwing objects towards you	36 (9)	18 (4.5)	10 (2.5)	32 (8)	304 (76)
	Punching	31 (7.8)	12 (3)	13 (3.3)	6 (1.5)	338 (84.5)
	Pulling hair or arm	15 (3.8)	7 (1.8)	16 (4)	16 (4)	346 (86.5)
	Hitting with a whip	9 (2.3)	6 (1.5)	2 (0.5)	8 (2)	375 (93.8)
	Burning or singeing your body	0 (0)	0 (0)	0 (0)	3 (0.8)	397 (99.3)
	Threatening with a knife	9 (2.3)	0 (0)	3 (0.8)	9 (2.3)	379 (94.8)
Sexual	Abstinence from sexual intercourse to punish you	9 (2.3)	6 (1.5)	7 (1.8)	2 (0.5)	376 (94)
	Expressing dissatisfaction with sexual intercourse with you	9 (2.3)	7 (1.8)	11 (2.8)	14 (3.5)	359 (89.8)
	Request for sexual intercourse without your consent	51 (12.8)	36 (9)	22 (5.5)	14 (3.5)	277 (69.3)
	Use of force and coercion to sexual intercourse	19 (4.8)	10 (2.5)	5 (1.3)	6 (1.5)	360 (90)
	Request unusual sex without your consent	24 (6)	10 (2.5)	11 (2.8)	13 (3.3)	342 (85.5)
Psychological	Shouting or swearing	65 (16.3)	43 (10.8)	15 (3.8)	42 (10.5)	235 (58.8)
	Humiliating you before the others	57 (14.2)	18 (4.5)	17 (4.3)	11 (2.8)	297 (74.3)
	Limiting your relationship with family/friends	18 (4.5)	9 (2.3)	27 (6.8)	26 (6.5)	320 (80)
	Limiting your rest, food or clothing	16 (4)	10 (2.5)	18 (4.5)	21 (5.3)	335 (83.8)
	Continuous obliging or humiliating	32 (8)	7 (1.8)	7 (1.8)	29 (7.2)	325 (81.3)
	Destruction or sale of furniture	14 (3.5)	7 (1.8)	4 (1)	15 (3.8)	360 (90)
	Preventing from working outside or continuing education	7 (1.8)	0 (0)	15 (3.8)	32 (8)	346 (86.5)
	Monitoring your phone calls and daily communications	15 (3.8)	6 (1.5)	19 (4.8)	8 (1)	352 (88)
	Locking you up at home	8 (2)	0 (0)	8 (2)	2 (0.5)	382 (95.5)
	Suspecting your loyalty or accusing about issues of honor	18 (4.5)	6 (1.5)	7 (1.8)	4 (1)	365 (91.3)
	The threat of divorce or remarriage	10 (2.5)	9 (2.3)	10 (2.5)	9 (2.3)	362 (90.5)

of violence in childhood by wife or husband ($P= 0.001$, $OR= 0.44$) (Table 2).

Based on the obtained results, most of the subjects (62.7%) chose logically speaking to their husbands and appeasement toward their husbands (35.8%) in facing with the spousal violence (Table 3).

Discussion

The prevalence of domestic violence among women is increasing and is affected by many factors. The findings of the present study showed that the majority of violence experience was related to psychological violence (54.5%) followed by physical violence (39.8%), and sexual violence (35%). However, findings of another study in Bandar Abbas indicated that domestic violence among women was 92%, which was much higher than the global statistics (11,13,20). A probable reason for the difference between the findings of this study and the previous studies might be the sampling context. The sampling of this study was done based on the referrals from nearby cities to a training hospital in Bandar Abbas. The incidence of domestic violence against women was reported to be 27% in Karaj (21), 35.7% in Tehran (22), 36% in Babol (23), 83.3% in Tonekabon (24), 47.3% in Khouzestan (18), 46% in

Kerman (19) and 49.4% in Jahrom (4).

In the present study, the most prevalent applied violence against women in Bandar Abbas was psychological violence (45%) which is in line with the results of a study by Derakhshanpour (25) on a similar statistical population. Nearly 54% of women experienced psychological violence. In the studies carried out by Malek Afzali et al in Isfahan (26), Narimani and Aghamohammadian in Ardebil (27), and Salehi and Mehralian in Shahre Kord, the most prevalent type of violence was psychological violence (10). In a study conducted by Hesami et al, the most common violence before pregnancy was the sexual and psychological (emotional) violence (28).

In a study carried out by Arefi on women in Urmia, the most prevalent type of domestic violence against women was physical violence. The most prevalent psychological violence was shouting and swearing, which can result in more serious problems, including family breakdown and different physical violence (29). The findings of the current research were in accordance with some other studies (18,20,21,25). It seems that physical violence decreases in line with the cultural and social changes while psychological violence increases (26). However, it is difficult to separate the different types of violence

Table 2. The Results of Logistic Regression for Determining the Factors Influencing Domestic Violence

Variables	OR	95% CI of OR		P
		Lower	Upper	
Age	0.99	0.93	1.06	0.823
The husband's age	0.91	0.85	0.98	0.012*
Marital duration	1.11	1.05	1.18	0.001*
Family relationship with husband	1.25	0.79	1.98	0.332
Wife's educational level	0.47	0.30	0.73	0.001*
Husband's educational level	0.84	0.62	1.14	0.287
Wife's job	0.34	0.01	0.76	0.02*
Husband's job	1.30	0.71	2.38	0.386
Wife's independent income	0.65	0.33	0.86	0.032*
Family income	0.54	0.38	0.98	0.005*
Housing status	1.11	0.88	1.41	0.363
Husband's addiction	0.48	0.32	0.89	0.041*
Living with other family members	0.95	1.11	0.87	0.679
Giving dowry	0.93	0.54	1.61	0.820
Marital satisfaction	0.97	0.96	0.99	0.002*
Unwanted pregnancy	0.92	1.22	0.89	0.052
Husband's record of criminal conviction	0.21	0.45	0.98	0.05
Distance from family	1.09	0.63	1.87	0.744
Experience of violence in childhood of wife or husband	0.44	0.58	0.78	0.001*

Abbreviations: OR, odds ratio.

df = 1.

* Significant at P = 0.05.

Table 3. The Frequency Distribution of the Women's Reaction Against Violence

Action Against Violence	Yes	No	Sometimes
	No. (%)	No. (%)	No. (%)
Silence and appeasement	143 (35.8)	128 (32)	129 (32.3)
Counterclaim	89 (22.3)	176 (44)	135 (33.8)
Logical speaking to husbands to solve the problem	251 (62.7)	57 (14.2)	90 (22.5)
Consulting with her family to solve the problem	94 (23.5)	220 (55)	84 (21)
Consulting with her husband's family to solve the problem	87 (21.8)	231 (57.8)	82 (20.5)
Consulting with the friends and Acquaintances to solve the problem	82 (20.5)	264 (66)	54 (13.5)
Huff and leaving home	34 (8.5)	323 (80.8)	43 (10.8)
Complain to the family courts	25 (6.3)	349 (87.3)	26 (6.5)

because almost all types happen at the same time; for example, physical and sexual violence set the scene for psychological violence, or vice versa (25).

Houry et al in the United States estimated the prevalence of violence to be 36%. The prevalence rate of various types of the domestic violence was different. The emotional violence was the most prevalent. The physical and sexual violence were 22% and 9%, respectively. The prevalence of domestic violence in Bosnia and Herzegovina was reported to be 75.9% and the prevalence rates of emotional, physical and sexual violence were 69.6%, 63.2% and 43.5%, respectively (30).

Researchers believe that the cultural and social differences between societies, difference in terms of wife, husband, law and researcher's instances of violence, differences in data collection tools, differences in the profile of subjects, the level of awareness among women about their rights and laws in the various societies, and the presence or absence of organizations supporting

women could be among the reasons for differences in the prevalence of violence and its variants.

The findings of the current research indicated that there was a significant association between domestic violence and husband's age, marital duration, the wife's economic independence, family income, wife's education level, wife's occupation, spousal addiction, marital satisfaction, a record of criminal conviction, and experience of violence in childhood. However, there was not any significant relationship between age, family connection with the husband, the husband's educational level, the spousal occupation, housing status, giving dowry, unwanted pregnancy, and being far from family and domestic violence. In general, the findings of this study revealed factors that influence husband violence against women. In fact, violence in women is an innate social problem that arises from a patriarchal family structure.

In a research by Balali Meibodi and Hassani, it was observed that there was relationship between domestic

violence and husband and wife's educational level ($P < 0.05$), spouse's occupation ($P = 0.001$), being raised in a village up to the age of 20 ($P = 0.023$), spousal addiction ($P = 0.001$), and living with the other family members ($P = 0.001$) (19). Another study suggests that the prevalence of domestic violence was more common in women whose spouses were alcoholic, had lower literacy levels, were poor or had a record of prison or detention or were drug addicts. There was a negative strong association between the domestic violence and the individual's educational level (10).

In the present study, no association was observed between spouse's levels of education and domestic violence but there was a significant relationship between the wife's educational level and the domestic violence. In a study, the researchers found a significant relationship between the husband's educational level ($P = 0.016$) and the degree of domestic violence in a way that the amount of domestic violence in the illiterate men or men with educational level lower than diploma were significantly more than the other two groups (diploma, associate, bachelor's degree, and higher) (10).

In the current research, it was shown that there is a significant relationship between the monthly income of family (economic status) and the domestic violence. Bonomi et al found that only low income (less than \$25000 each year) had a significant relationship with the domestic violence (31). However, in another study, no significant relationship was observed between the family's economic status and domestic violence (32). The differences in the results of these studies can be due to the different data collection instruments as in the present study, the level of income was calculated based on Tooman (Rials). In the current study, the association between the domestic violence, alcohol abuse and addiction of the husband was demonstrated, however, this relationship was not significant in a study by Taherkhani, but smoking was related to the husband's violence ($P = 0.002$) (33).

Cooker et al showed that excessive alcohol consumption by an intimate partner was associated with the violence experience (34). The research by Kazemie Navai showed that there was a relationship between violence, smoking and drug using by husbands (35). There was a significant association between marital satisfaction and the domestic violence in this research. The findings of our study were in line with the findings of a study by Lawrence and Bradbury in which 70% of aggressive couples reported marital dissatisfaction, while only 28% of non-aggressive couples reported marital dissatisfaction (36). In addition, in the study of Nayak et al, the satisfaction rate was lower in the abused women (20).

The results of this research demonstrated that the most common reaction among women to the violence was logically speaking to the husband (62.7%) followed by appeasement (35.8%), which were in line with the results of a research by Kargar Jahromi et al (4). Madhani et al

reported that women's tolerance was the most frequent reaction and referral to counseling centers and legal complaints as the least frequent cases (37). In the present study, complain to the court was also the least frequent case. In fact, domestic violence in the family is a private affair and women rarely resort to the outsiders help and the abused women usually refrain from referring to the judicial centers. Hence, despite the dissatisfaction with life for various reasons, many women are forced to continue living with their abusive husband due to many reasons such as economic dependence on their husbands, fear of loneliness and child loss, lack of social protection and respect for cultural traditions based on the fact that women are responsible for the quality of relationships after marriage (36).

Lack of autonomy among women further decreases their ability to act against violence. While social standards, especially male-controlled opinions and women's dependence to husbands, likely clarify women's resistance to abuse, their recognition of physical abuse as violence shows that they do not essentially believe it is constantly justified (37).

Although we tried to use a valid tool to measure the degree of violence, the study had some limitations. One of the restrictions of the present study was lack of cooperation by subjects due to their embarrassment and fear of disclosing the completed questionnaire. Furthermore, reporting by the subjects, which has the possibility of recall bias, can result in non-disclosure of violence. On the other hand, obtaining information from only one of the partners can influence the validity of the findings. Due to the fact that violence had been reported in the city of Bandar Abbas, like many other cities, it is suggested that providing suitable strategies for preventing, screening, and increasing awareness among health personnel to identify women at risk of domestic violence and preventing its outcomes would help us deal with domestic violence against women, especially in pregnancy. Preventing violence among women can promote their mental and physical health during pregnancy and empower them by introducing their legal rights. Finally, acculturation is taking place for the individuals' rights and respecting these rights takes place in the society, and thus, the social position of women would be improved by increasing their participation in social and individual affairs. Therefore, acculturation and respecting the women rights are among the preventive strategies suggested in the present study.

Conclusions

The most common type of violence against women was the psychological violence in this research and a significant association was observed between domestic violence and some related factors. Therefore, routine screening is recommended for women, especially women at risk to improve their health condition at each obstetrics

and gynecology visit, family planning consultation and prenatal, natal and post-natal assessments. Furthermore, it is recommended that medicine and health sciences students and personnel, especially midwives should be trained regarding screening the domestic violence among women and its major effects, especially in reproductive age. Students and personnel of medicine and health sciences field should be educated regarding the identification of physical and psychological symptoms of the victims of violence and to provide counseling, treat and refer victimized women to legal authorities.

Conflict of Interests

Authors declare that they have no conflict of interests.

Ethical Issues

The ethical committee of Shahid Beheshti University of Medical Sciences approved this research design (IR.SBMU.PHNM.1395.517) and permission was obtained from Hormozgan University of Medical Sciences.

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