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# REVIEW ARTICLE

# **Intimate Partner Violence: A Literature Review**

Erick D.A. Yonfa<sup>1,\*</sup>, Malinda Fasol<sup>2</sup>, Camila M. Cueva<sup>3</sup> and Anna C. Zavgorodniaya<sup>3</sup>

#### Abstract:

#### Background:

Intimate Partner Violence (IPV) is a complex issue that appears to be more prevalent in developing nations. Many factors contribute to this problem.

#### Objective:

This article aimed to review and synthesize available knowledge on the subject of Intimate Partner Violence. It provides specific information that fills the knowledge gap noted in more global reports by the World Health Organization.

#### Methods:

A literature search was conducted in English and Spanish in EBSCO and Scopus and included the keywords "Intimate, Partner, Violence, IPV." The articles included in this review cover the results of empirical studies published from 2004 to 2020.

#### Results:

The results show that IPV is associated with cultural, socioeconomic, and educational influences. Childhood experiences also appear to contribute to the development of this problem.

#### Conclusion:

Only a few studies are focusing on empirically validated interventions to solve IPV. Well-implemented cultural change strategies appear to be a solution to the problem of IPV. Future research should focus on examining the results of strategies or interventions aimed to solve the problem of IPV.

Keywords: Intimate, Partner, Violence, IPV, Interventions, Health, Psychological, Physical.

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# 1. INTRODUCTION

Intimate Partner Violence (IPV) is the most prevalent type of violence against women worldwide. It is defined as a "behavior by an intimate partner or ex-partner that causes physical, sexual or psychological harm, including physical aggression, sexual coercion, psychological abuse, and controlling behaviors" [1]. The United Nations has defined violence against women as "any act of gender-based violence that results in or is likely to result in, physical, sexual or psychological harm or suffering to women, including threats of

such acts, coercion or arbitrary deprivation of liberty, whether occurring in public or in private life" [2].

The percentage of women experiencing violence in various parts of the world has been recorded. Different factors appear to influence the incidence of this worldwide problem. However, there are no single studies that summarize findings on the subject. The aim of this article was to review available knowledge regarding Intimate Partner Violence. There is a need to understand this problem so that viable solutions and or preventive measures could be implemented.

<sup>&</sup>lt;sup>1</sup>Universidad San Francisco de Quito, Avenida Diego de Robles y Vía Interoceánica, Quito, Ecuador

<sup>&</sup>lt;sup>2</sup>LeTourneau University, 2100 S. Mobberly Ave Longview, TX 75602, USA

<sup>&</sup>lt;sup>3</sup>Universidad Internacional SEK, Campus Miguel de Cervantes, Calle Alberto Einstein s/n y 5ta. Transversal, Quito, Ecuador

<sup>\*</sup> Address correspondence to this author at the Universidad San Francisco de Quito, Avenida Diego de Robles y Vía, Interoceánica; Tel: 593 2297 1700; E-mail: erickdavidarguello@gmail.com

# 2. METHODOLOGY

#### 2.1. Searching Strategy

The literature search was conducted in English and Spanish using EBSCO (Psychology and Behavioral Sciences Collection, Academic Search Premier, and Fuente Academica Premiere) and Scopus. It included the keywords "Intimate, Partner, Violence, IPV" and thematic issues on the subject, such as "depression, anxiety, body, ache." Only the findings of empirical studies were considered. The articles ranged from 2004 to 2020. The analysis of full texts of articles was carried out several times and data were extracted according to the aim of this study.

#### 3. RESULTS

# 3.1. Percentage of Women Experiencing Violence

Data presented by Women UN (2019) indicates that approximately 35 percent of women worldwide have experienced some form of violence in their lifetime [3]. One-third of women worldwide who have ever been involved in a relationship have experienced physical or sexual violence inflicted by an intimate partner [4].

With a focus on the Americas, the percentage of women who have experienced physical or sexual IPV in the past 12 months progressively increases as one examines data from North, Central and South America (1.1% in Canada, 6.6% in the United States, 7.8% in Costa Rica, and 27.1% in Bolivia) [5]. Compared to countries in Central and South America, Bolivia reports the highest percentage (52.3%) of women ever experiencing physical violence by an intimate partner. However, the percentage of women reporting ever experiencing sexual violence by an intimate partner was similar across nations (i.e., Bolivia 15.2%, Nicaragua 13.1%, Guatemala 12.3%, Colombia 11.8%, Ecuador 11.5%, El Salvador 11.5%, Haiti 10.8%, and Peru 9.4%). Moreover, the percentage of women who reported ever experiencing IPV in the form of emotional abuse (insults, humiliation, intimidation, and threats of harm) also occurred relatively equally across nations (e.g., Nicaragua 47.8%, El Salvador 44.2%, Guatemala 42.2%, Colombia, 41.5%, Ecuador 40.7%), with a few exceptions (Haiti 17.0%, Dominican Republic 26.1%) [6].

Data from Colombia indicates that 31.1% of women in that country reported experiencing economic or patrimonial violence from an intimate partner, 7.6% experienced IPV in the form of sexual violence, and 64% experienced psychological violence from a partner [7]. Similar numbers have been recorded in Ecuador. The National Institute of Statistics and Censuses (INEC 2019) notes that 43 out of 100 women in the country have experienced some form of IPV. Of this group, 40.8% of women reported experiencing psychological violence (e.g., humiliation, insults, being threatened with a weapon), 25% said they were victims of physical violence and 8.3% were victims of sexual violence [8].

# 3.2. Social Norms and Sociodemographic Factors

Women must contend with societal norms related to domestic violence. For example, in some countries, male dominance or patriarchal systems in which the wife is considered a possession or property of the husband are considered the societal norm. Some studies have shown that social attitudes justifying and or accepting IPV in some developing nations or specific localities increase the incidence of this problem in those areas. Women in these places are likely more tolerant of this problem if it were to happen to them and are less likely to leave a violent relationship [9 - 12]. Likewise, exposure to violence perpetrated by political groups (e.g., police, armed forces) also seems to increase the prevalence of IPV in nations [13 - 15].

Sociodemographic factors also appear to affect the prevalence of IPV. Studies around the globe indicate that a low level of education in women may put them at a higher risk for IPV [16 - 19]. This low level of educational attainment could be related to existent socioeconomic disadvantages, a culturally upheld belief that women do not need education because their assigned role is to stay at home and take care of household duties, including the raising of children, and a lack of a network of support that could potentially encourage their educational advancement. For example, a recent study suggested that Latinas who experience IPV "tend to be younger, have more socioeconomic disadvantage, and are fearful of seeking help from authorities" [20].

The marital status of female victims of IPV has been extensively studied, with common findings of IPV appearing to happen less often to married women in comparison to divorced or separated women in most countries [21, 22]. However, the findings must be considered within cultural contexts. As previously stated, in some countries, married women are viewed as property of the husband, and physical aggression or violence towards the wife is tolerated or accepted within the culture. In general, cohabitating couples worldwide report higher rates of IPV. The higher rates could be related to socioeconomic status or to the perception that the relationship is less permanent. More studies need to address the contributing factors as to why cohabitating women tend to have a higher rate of IPV compared to married women, as well as examine the norms by varying cultures and their effect on IPV. Single women typically report less rates of IPV in comparison to married, divorced or separated women. However, this trend appears to vary by country. Single women in Canada and Australia, for example, report higher rates of IPV in comparison to married women in these two nations [22]. Possible contributing factors for the increase in IPV among single women in Canada and Australia could be related to age or to lifestyle choices. Riskier lifestyles could potentially expose younger women to a greater chance of experiencing intimate partner violence. Latin American and Caribbean nations, data indicate that IPV typically occurs more often among urban women in comparison to rural women [23]. Nonetheless, some studies in the United States suggest that IPV typically occurs more often in rural settings and small towns [24, 25]. Further studies are needed to address the underlying causes of the link between sociodemographic factors and IPV.

## 3.3. Childhood Victimization

In addition to possible social factors influencing the rates of IPV, women impacted by childhood victimization can experience long term negative effects, and data suggest that "childhood victimization and domestic violence are highly correlated" [26]. For example, women who witnessed IPV

during their childhood are more prone to experiencing IPV as adults [27 - 30]. Similarly, studies suggest that women who have been physically abused [31 - 34] or sexually abused [35 - 38] in childhood also are more likely to experience IPV in adulthood.

# 3.4. Mental Health

Research has shown that women who experienced IPV report increased levels of mental health symptomatology. For example, women who were abused by an intimate partner reported increased symptoms of depression, anxiety [39, 40], and obsessive-compulsive characteristics [40]. Similarly, women exposed to IPV and who present depressive symptoms exhibit significant weight gain [41]. Low-income post-partum women in Brazil who experienced IPV are at a greater risk of presenting suicidal ideation [42], and women living in poverty in Nicaragua who were victims of IPV and perceived they did not receive social support from their families were more likely to indicate they had attempted suicide at some point in their lives [43]. There appears to be a bidirectional relationship between IPV and mental health problems. More specifically, at least one study has shown that women who experienced child abuse and subsequently developed mental health illnesses (i.e., Post Traumatic Stress Disorder, symptoms of depression, binge drinking) were more likely to experience IPV during adulthood

# 3.5. Health Complains and Illnesses

In addition to mental health ailments, women victims of intimate partner violence (IPV), in its many forms, have selfreported having frequent health complaints and illnesses. Because of the complexity of physical ailments and symptoms, research studies are limited in addressing the specific correlations of physical health and IVP [45]. For example, Onur et al. (2020) wrote that women diagnosed with Syndrome (characterized by Fibromyalgia musculoskeletal pain) also reported being victims of partner violence (physical, social, economic, and emotional) [46]. Raya et al. (2004) observed that Andalusian women victims of IPV perpetration were more likely to suffer from hypertension and asthma [47]. More recently, Soleimania et al. (2017) observed that Iranian women who had experienced IPV in the form of psychological abuse had a greater incidence of somatic symptoms than women who had not experienced any form of abuse [48]. There appears to be an additive effect on the body when it comes to experiencing abuse. Women who have experienced various forms of abuse in their life (e.g., child abuse, past IPV, present IPV, and financial problems) have reported higher levels of somatic complaints in comparison to women who had only experienced IPV [49]. At least one study noticed that there was a greater incidence of type 2 diabetes in women who reported experiencing physical intimate partner violence [50].

# 3.6. Utilization of Health Care Providers

Aside from the various somatic complaints that are being described by women who have experienced IVP, Lo Fo Wong, et al. (2007), observed that women who had been physically and psychologically abused by their partners used healthcare providers more often and were also prescribed pain medication more frequently [51]. Also, Comeau, et al. (2012) noticed that

women who had been abused by their intimate partners used antidepressants to deal with symptoms of depression [52]. Lastly, higher use of anxiolytics and antidepressants also has been observed in women who had suffered intimate partner violence [53].

# 3.7. Use of Cigarettes

Aside from using various types of medications, Sullivan *et al.* (2015) noticed that women who had been victims of IPV tend to smoke greater quantities of cigarettes in comparison to women who have not experienced violence [54]. Furthermore, it has also been observed that women who experienced perinatal IPV were twice as likely to smoke cigarettes in comparison to women without a history of IPV [55]. It is worth noting that smoking during pregnancy is a strong predictor of low birth weight [55 - 57] and preterm birth [58]. Children born under these circumstances are more prone to being described as having more social problems, attention problems, as well as anxiety and depression by age 7 [59] and low birth weight adolescents show increased levels of mental health problems (emotional symptoms, social problems, and attention deficit) [60].

#### 3.8. Current Scenario

Many contributing factors impact women suffering from intimate partner violence. These influences could be cultural, socioeconomic, political, and educational, to name a few. Major findings support the notion that women, who are less educated, socioeconomically disadvantaged, reside in patriarchal societies, or cohabitate are at greater risk of IPV. Another contributing factor is mental health symptomology. Further analysis is needed to better understand the correlation between mental health issues and IPV. Is poor mental health a precursor to IPV, or is IPV a potential cause for poor mental health? Various cultures have differing views pertaining to the topic of mental health and address this problem differently. Without proper treatment and proper advocacy for mental health, some women may feel caught in a cycle of hopelessness, stay in abusive relationships, and contribute to the social perception that IPV is an acceptable way of life.

With the current global crisis of COVID-19 and governments issuing stay-at-home orders, psychologists predict an increase in intimate partner violence. The Secretary-General of the United Nations stated the orders have led to a "horrifying global surge" in IPV [61]. Because of the difficulty to flee from the abusers, women may be at an even higher risk of "IPV-related health issues" [61]. The global pandemic is a major contributing factor to job loss, economic stress, and evictions. Economic crisis can potentially negatively impact relationships, regardless of marital status. With the looming effects of the pandemic, the World Health Organization will need to consider the level of depression, anxiety, stress, marital status, and socioeconomic status in women across varying cultures, and how the pandemic may have contributed to an increase in IPV.

# 3.9. Interventions

Empirically validated interventions aimed to address IPV are scarce. One study observed positive results through the implementation of a culturally relevant program with immigrants of Mexican origin. Specifically, the study observed

that Latino men benefited from attending group sessions aimed to address, among others, their histories of childhood maltreatment, their challenges encountering different gender roles as they moved to the United States, their sense of control over their wives, and the development of "unequal but nonabusive relationships". The program included teaching men non-aggressive strategies and problem-solving skills through role-plays. Through these interventions, men became more understanding of their wives' experiences, as they transition to the United States, learned the impact of their aggressive behavior, and also learned to cooperate more within the home [62]. In addition to this report, another study focused on the empowerment of Latino women through the Moms' Empowerment Program. This intervention included providing advocacy services and social support to women. It targeted women's self-blame for experiencing IPV and helped women set forth goals to promote change in their lives while focusing on preserving their children's safety. Overall, the program appeared to be successful in helping reduce women's exposure to mild violence and physical assaults [63]. Another recent study carried out in Brazil observed positive results with the implementation of cognitive-behavioral interventions in women victims of IPV. Thirteen sessions with a weekly frequency, which included, among others, psychoeducation, problem-solving, and cognitive restructuring, showed effectiveness in reducing women's anxiety and depression and increasing their life satisfaction [64]. Aside from individual or group interventions, one study carried in Ghana examined the utilization of community-based structures (i.e., police, health and welfare organizations, and religious leaders) to raise awareness to the problem of violence against women, to guide talks about gender equality, challenge social norms that endorse violence, provide counseling services to couples experiencing IPV, and create referral structures to help victims.. The prevalence of IPV in the communities that received these types of interventions was lower than that of those areas that did not receive these services [65].

# CONCLUSION

IVP is a complex issue that needs continued research and attention to provide better interventions. Global findings indicate that certain cultural groups are more tolerant of this problem and that they may tend to normalize it and/or accept it. Overall, IPV is more widespread in developing nations, especially those experiencing political-related-violence. Considering these findings, World Health Organization surveys and future studies should consider assessing the incidence of IPV among immigrants to the United States with histories of having experienced political violence. A study in 2008 showed that eleven percent of immigrant Latinos to the United States had experienced political violence in their countries of origin. Latino women who had lived this type of violence also reported experiences of feeling discriminated [66]. Future studies should focus their attention on clarifying these findings and their possible relationship with IPV, so that prompt interventions with immigrant populations could be developed.

A recent study shows that Hispanics and Blacks in the United States constantly worry about possibly experiencing violence perpetrated by police, a form of political violence. Hispanics worry about police violence four times more than Whites and Blacks worry about this type of violence five times more than Whites [67]. Considering these results, the WHO

should also explore if reports of police brutality in black or immigrant communities in the United States correlate to rates of IPV in these communities.

Although there is ample information about the various factors associated with IPV, only a few studies have focused on examining empirically validated interventions to address it. Without this knowledge, it would be impossible to truly know if available interventions work or not. Research findings suggest that women, and in particular women from marginalized groups, should receive assistance and guidance to gain access to higher education institutions. Their educational attainment likely will become a protective factor in their life that could prevent them from ever experiencing IPV. Parity in access to higher-paying jobs likely could help reduce the prevalence of IPV. Well-implemented cultural change strategies also appear to be a solution to the problem of IPV. Societal structures (e.g., law, religion) and organizations (e.g., welfare) seem to be key participants in the development of respectful and nonviolent relationships between men and women that likely could prevent IPV from ever taking place. Early detection of violence within the home and follow-up interventions could prevent children from normalizing such behavior. Health care system screenings could detect early signs and symptomatology of IPV. These screenings could potentially ensure that multisystem interventions implemented to disrupt the development of IPV and provide survivors with needed support. Lastly, research suggests that governments and their officials should refrain from endorsing politically violent acts. Governmental acts of violence likely could endorse or ignite the problem of IPV in nations.

#### CONSENT FOR PUBLICATION

Not applicable.

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#### CONFLICT OF INTEREST

The authors declare no conflict of interest, financial or otherwise.

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#### REFERENCES

- The World Health Organization Violence Against Women. 2017.https://www.who.int/news-room/fact-sheets/detail/violence-again st-women
- United Nations. Resolution Adopted by the General Assembly 1994.https://documents-dds-ny.un.org/doc/UNDOC/GEN/N94/095/05/ PDF/N9409505.pdf?OpenElement
- [3] United Nations Women. 2019. https://www.unwomen.org/en/whatwe-do/ending-violence-against-women/facts-and-figures
- [4] The World Health Organization Violence Against Women. 2017.https://www.who.int/news-room/fact-sheets/detail/violence-again st-women
- [5] Bott S, Guedes A, Ruiz-Celis AP, Mendoza JA. Intimate partner violence in the Americas: A systematic review and reanalysis of national prevalence estimates. Rev Panam Salud Publica 2019; 43e26 [http://dx.doi.org/10.26633/RPSP.2019.26] [PMID: 31093250]
- [6] Pan American Health Organization; Centers for Disease Control and Prevention. 2012. Violence Against Women in Latin America and the Caribbean: A comparative analysis of population-based data from 12

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- https://www.paho.org/hq/dmdocuments/2014/Violence1.24-WEB-25-f ebrero-2014.pdf
- [7] de Salud M. Social P. Oficina de Promoción Social 2018.https://www.minsalud.gov.co/sites/rid/Lists/BibliotecaDigital/RI  $DE/DE/PS/sala\text{-}situacion\text{-}violencia\text{-}genero.pdf}$
- Instituto Nacional de Estadísticas y 2019.https://www.ecuadorencifras.gob.ec/documentos/web-inec/Estadi sticas Sociales/Violencia de genero 2019/Principales%20resultados %20ENVIGMU%202019.pdf
- Schuler SR, Islam F. Women's acceptance of intimate partner violence [9] within marriage in rural Bangladesh. Stud Fam Plann 2008; 39(1): 49-58 [http://dx.doi.org/10.1111/j.1728-4465.2008.00150.x]
- [10] Boy A, Kulczycki A. What we know about intimate partner violence in the Middle East and North Africa. Violence Against Women 2008; 14(1): 53-70.
- $[http://dx.doi.org/10.1177/1077801207311860]\ [PMID:\ 18096859]$ Tiruye TY, Harris ML, Chojenta C, Holliday E, Loxton D. [11] Determinants of intimate partner violence against women in Ethiopia: A multi-level analysis. PLoS One 2020; 15(4)e0232217 [http://dx.doi.org/10.1371/journal.pone.0232217] [PMID: 32330193]
- Daruwalla D, Machchhar SP, D'Souza V, Gram L, Copas A, Osrin D. [12] Community interventions to prevent violence against women and girls in informal settlements in Mumbai: the SNEHA-TARA pragmatic cluster randomized controlled trial. Trials 2019; 20(1): 1-12. [http://dx.doi.org/10.1186/s13063-019-3817-2] [PMID: 30606236]
- Gupta J, Acevedo-Garcia D, Hemenway D, Decker MR, Raj A, [13] Silverman JG. Premigration exposure to political violence and perpetration of intimate partner violence among immigrant men in Boston. Am J Public Health 2009; 99(3): 462-9.  $[http://dx.doi.org/10.2105/AJPH.2007.120634]\ [PMID:\ 18703450]$
- [14] Clark CJ, Everson-Rose SA, Suglia SF, Btoush R, Alonso A, Haj-Yahia MM. Association between exposure to political violence and intimate-partner violence in the occupied Palestinian territory: A crosssectional study. Lancet 2010; 375(9711): 310-6. [http://dx.doi.org/10.1016/S0140-6736(09)61827-4] 201099581
- [15] Gilbert L, Michalopoulos L, Ma X, et al. How do risk environment factors influence perpetration of partner violence among male migrant and non-migrant market workers in central asia? J Urban Health 2019;
- [http://dx.doi.org/10.1007/s11524-018-0312-0] [PMID: 30232690] [16] Pan American Health Organization; Centers for Disease Control and Prevention. 2012. Violence Against Women in Latin America and the Caribbean: A comparative analysis of population-based data from 12 https://www.paho.org/hq/dmdocuments/2014/Violence1.24-WEB-25-f
  - ebrero-2014.pdf
- [17] Ruiz-Pérez I, Vives-Cases C, Escribá-Agüir V, Rodríguez-Barranco M, Nevot-Cordero A. How does intimate partner violence differ depending on level of rurality of residential area in Spain? Health Soc Work 2015; 40(2): 108-19. [http://dx.doi.org/10.1093/hsw/hlv024] [PMID: 26027419]
- Ahmadi R, Soleimani R, Jalali MM, Yousefnezhad A, Roshandel Rad M, Eskandari A. Association of intimate partner violence with sociodemographic factors in married women: A population-based study in Iran. Psychol Health Med 2017; 22(7): 834-44. [http://dx.doi.org/10.1080/13548506.2016.1238489] [PMID:
- [19] Yuan W, Hesketh T. Intimate partner violence against women and its association with depression in three regions of China: A crosssectional study. Lancet 2019; 394: S5. [http://dx.doi.org/10.1016/S0140-6736(19)32341-4]
- [20] Ponting C, Chavira D, Ramos I, Christensen W. Postpartum depressive symptoms in low-income Latinas: Cultural and contextual contributors. American Psychological Association 2020.
- Bernards S, Graham K. The cross-cultural association between marital status and physical aggression between intimate partners. J Fam Violence 2013; 28(4): 403-18. [http://dx.doi.org/10.1007/s10896-013-9505-1] [PMID: 24039342]
- [22] Pan American Health Organization; Centers for Disease Control and Prevention. 2012. Violence Against Women in Latin America and the Caribbean: A comparative analysis of population-based data from 12 https://www.paho.org/hq/dmdocuments/2014/Violence1.24-WEB-25-f

- [23] Pan American Health Organization; Centers for Disease Control and Prevention. 2012. Violence Against Women in Latin America and the Caribbean: A comparative analysis of population-based data from 12 countries
  - https://www.paho.org/hq/dmdocuments/2014/Violence 1.24-WEB-25-febrero-2014.pdf
- Peek-Asa C, Wallis A, Harland K, Beyer K, Dickey P, Saftlas A. Rural disparity in domestic violence prevalence and access to resources. J Womens Health (Larchmt) 2011; 20(11): 1743-9. [http://dx.doi.org/10.1089/jwh.2011.2891] [PMID: 21919777]
- DuBois K, Rennison CM, DeKeseredy WS. Intimate partner violence [25] in small towns, dispersed rural areas, and other locations: Estimates using a reconception of settlement type. Rural Sociol 2019; 84(4): 826-52. [http://dx.doi.org/10.1111/ruso.12264]
- Riedl D, Beck T, Exenberger S, et al. Violence from childhood to [26] adulthood: The influence of child victimization and domestic violence on physical health in later life. J Psychosom Res 2019; 116: 68-74. [http://dx.doi.org/10.1016/j.jpsychores.2018.11.019] [PMID:
- Uthman OA, Moradi T, Lawoko S. Are individual and community acceptance and witnessing of intimate partner violence related to its occurrence? Multilevel structural equation model. PLoS One 2011; 6(12)e27738 [http://dx.doi.org/10.1371/journal.pone.0027738] [PMID: 22194791]
- [28] Makayoto LA, Omolo J, Kamweya AM, Harder VS, Mutai J. Prevalence and associated factors of intimate partner violence among pregnant women attending Kisumu District Hospital, Kenya. Matern Child Health J 2013; 17(3): 441-7. [http://dx.doi.org/10.1007/s10995-012-1015-x] [PMID: 22569943]
- [29] Burnette CE, Cannon C. "It will always continue unless we can change something": Consequences of intimate partner violence for indigenous women, children, and families. Eur J Psychotraumatol 2014; 5: 1-8. [http://dx.doi.org/10.3402/ejpt.v5.24585] [PMID: 25279104]
- Madruga CS, Viana MC, Abdalla RR, Caetano R, Laranjeira R. Pathways from witnessing parental violence during childhood to involvement in intimate partner violence in adult life: The roles of depression and substance use. Drug Alcohol Rev 2017; 36(1): 107-14. [http://dx.doi.org/10.1111/dar.12514] [PMID: 28134495]
- McClure MM, Parmenter M. Childhood trauma, trait anxiety, and anxious attachment as predictors of intimate partner violence in college students. J Interpers Violence 2020; 35(23-24): 6067-82. [http://dx.doi.org/10.1177/0886260517721894] [PMID: 29294890]
- [32] Gómez AM, Speizer IS. Intersections between childhood abuse and adult intimate partner violence among Ecuadorian women. Matern Child Health J 2009; 13(4): 559-66. [http://dx.doi.org/10.1007/s10995-008-0387-4] [PMID: 18649129]
- Zhan W, Shaboltas AV, Skochilov RV, Krasnoselskikh TV, Abdala N. History of childhood abuse, sensation seeking, and intimate partner violence under/not under the influence of a substance: A crosssectional study in Russia. PLoS One 2013; 8(7)e68027 [http://dx.doi.org/10.1371/journal.pone.0068027] [PMID: 23844148]
- [34] Afifi TO, Mota N, Sareen J, MacMillan HL. The relationships between harsh physical punishment and child maltreatment in childhood and intimate partner violence in adulthood. BMC Public Health 2017;
- [http://dx.doi.org/10.1186/s12889-017-4359-8] [PMID: 28535755] [35] Ramos BM, Carlson BE, McNutt L. Lifetime abuse, mental health,
- and African American Women. J Fam Violence 2004; 19(3): 153-64. [http://dx.doi.org/10.1023/B:JOFV.0000028075.94410.85]
- Shields M, Tonmyr L, Hovdestad WE, Gonzalez A, MacMillan H. Exposure to family violence from childhood to adulthood. BMC Public Health 2020; 20(1): 1673. [http://dx.doi.org/10.1186/s12889-020-09709-y] [PMID: 33167904]
- [37] Abramsky T, Watts CH, Garcia-Moreno C, et al. MC. Public Health 2011; 11(1): 2-17. [PMID: 21337924]
- Ogum Alangea D, Addo-Lartey AA, Sikweyiya Y, et al. Prevalence and risk factors of intimate partner violence among women in four districts of the central region of Ghana: Baseline findings from a cluster randomised controlled trial PLoS One 2018: 13(7)e0200874 [http://dx.doi.org/10.1371/journal.pone.0200874] [PMID: 30024948]
- [39] Blasco-Ros C, Sánchez-Lorente S, Martinez M. Recovery from depressive symptoms, state anxiety and post-traumatic stress disorder in women exposed to physical and psychological, but not to psychological intimate partner violence alone: A longitudinal study.

- BMC Psychiatry 2010; 10: 98-109. [http://dx.doi.org/10.1186/1471-244X-10-98] [PMID: 21108834]
- [40] Vilariño M, Amado BG, Vázquez MJ, Arce R. Psychological harm in women victims of intimate partner violence: Epidemiology and quantification of injury in mental health markers. Interv Psicosoc 2018; 27(3): 145-52. [http://dx.doi.org/10.5093/pi2018a23]
- [41] Mason SM, Ayour N, Canney S, Eisenberg ME, Neumark-Sztainer D. Intimate partner violence and 5-year weight change in young women: A longitudinal study. J Womens Health (Larchmt) 2017; 26(6): 677-82.
- [http://dx.doi.org/10.1089/jwh.2016.5909] [PMID: 28075656]
   [42] Tabb KM, Huang H, Valdovinos M, et al. Intimate partner violence is associated with suicidality among low-income postpartum women. J Womens Health (Larchmt) 2018; 27(2): 171-8.
   [http://dx.doi.org/10.1089/jwh.2016.6077] [PMID: 28537476]
- [43] Guillén AI, Panadero S, Rivas E, Vázquez JJ. Suicide attempts and stressful life events among female victims of intimate partner violence living in poverty in Nicaragua. Scand J Psychol 2015; 56(3): 349-56. [http://dx.doi.org/10.1111/sjop.12207] [PMID: 25727343]
- [44] Machisa MT, Christofides N, Jewkes R. Mental ill health in structural pathways to women's experiences of intimate partner violence. PLoS One 2017; 12(4)e0175240 [http://dx.doi.org/10.1371/journal.pone.0175240] [PMID: 28384241]
- [45] Alhalal E, Ford-Gilboe M, Wong C, AlBuhairan F. Factors mediating the impacts of child abuse and intimate partner violence on chronic pain: a cross-sectional study. BMC Womens Health 2018; 18(1): 160. [http://dx.doi.org/10.1186/s12905-018-0642-9] [PMID: 30285706]
- [46] Onur OS, Cesur E, Donmezler FG, Aydin FY, Vural M, Guru M. Evaluation of Partner Violence in Female Patients with Fibromyalgia Syndrome. Medical Journal of Bakirkoy 2020; 16(2): 190-6.
- [47] Raya Ortega L, Ruiz Pérez I, Plazaola Castaño J, et al. Intimate partner violence as a factor associated to health problems. Aten Primaria 2004; 34(3): 117-24. [http://dx.doi.org/10.1016/S0212-6567(04)79480-9] [PMID:
- [48] Soleimani R, Ahmadi R, Yosefnezhad A. Health consequences of intimate partner violence against married women: A population-based study in northern Iran. Psychol Health Med 2017; 22(7): 845-50. [http://dx.doi.org/10.1080/13548506.2016.1263755] [PMID: 279773916]
- [49] Mcnutt LA, Carlson BE, Persaud M, Postmus J. Cumulative abuse experiences, physical health and health behaviors. Ann Epidemiol 2002; 12(2): 123-30. [http://dx.doi.org/10.1016/S1047-2797(01)00243-5] [PMID: 118802201
- [50] Mason SM, Wright RJ, Hibert EN, et al. Intimate partner violence and incidence of type 2 diabetes in women. Diabetes Care 2013; 36(5): 1159-65.
  [http://dx.doi.org/10.2337/dc12-1082] [PMID: 23248189]
- [51] Lo Fo Wong S, Wester F, Mol S, Römkens R, Lagro-Janssen T. Utilisation of health care by women who have suffered abuse: A descriptive study on medical records in family practice. Br J Gen Pract 2007; 57(538): 396-400. [PMID: 17504591]
- [52] Comeau J, Davies L. Patterns of depressive symptoms and antidepressant use among women survivors of intimate partner violence. Social Psychiatry and Psychiatric Epidemiology 2012; 47(9): 1527-37.
- [53] Crespo M, Soberón C, Fernández-Lansac V, Gómez-Gutiérrez MM. Alcohol and psychotropic substance use in female Spanish victims of intimate partner violence. Psicothema 2017; 29(2): 191-6. [PMID: 28438241]
- [54] Sullivan TP, Flanagan JC, Dudley DN, Holt LJ, Mazure CM, McKee

- SA. Correlates of smoking status among women experiencing intimate partner violence: Substance use, posttraumatic stress, and coping. Am J Addict 2015; 24(6): 546-53. [http://dx.doi.org/10.1111/ajad.12261] [PMID: 26249027]
- [55] Alhusen JL, Geller R, Jellig J, Budhathoki C, Decker M. Intimate partner violence, small for gestational age birth and cigarette smoking in the pregnancy risk assessment monitoring system. J Womens Health (Larchmt) 2018; 27(4): 458-65. [http://dx.doi.org/10.1089/jwh.2017.6322] [PMID: 28841089]
- [56] Jackson DJ, Batiste E, Rendall-Mkosi K. Effect of smoking and alcohol use during pregnancy on the occurrence of low birthweight in a farming region in South Africa. Paediatr Perinat Epidemiol 2007; 21(5): 432-40.
  [58] Phys. Med. 2007, 20
  - [http://dx.doi.org/10.1111/j.1365-3016.2007.00847.x] [PMID: 17697073]
- [57] Bailey BA, Byrom AR. Factors predicting birth weight in a low-risk sample: the role of modifiable pregnancy health behaviors. Matern Child Health J 2007; 11(2): 173-9. [http://dx.doi.org/10.1007/s10995-006-0150-7] [PMID: 17091398]
- [58] Jaddoe VW, Troe EJ, Hofman A, et al. Active and passive maternal smoking during pregnancy and the risks of low birthweight and preterm birth: The generation R study. Paediatr Perinat Epidemiol 2008; 22(2): 162-71. [http://dx.doi.org/10.1111/j.1365-3016.2007.00916.x] [PMID: 18298691]
- [59] Wadsby M, Nelson N, Ingemansson F, Samuelsson S, Leijon I. Behaviour problems and cortisol levels in very-low-birth-weight children. Nord J Psychiatry 2014; 68(8): 626-32. [http://dx.doi.org/10.3109/08039488.2014.907341] [PMID: 24802123]
- [60] Indredavik MS, Vik T, Heyerdahl S, Kulseng S, Brubakk AM. Psychiatric symptoms in low birth weight adolescents, assessed by screening questionnaires. Eur Child Adolesc Psychiatry 2005; 14(4): 226-36. [http://dx.doi.org/10.1007/s00787-005-0459-6] [PMID: 15981134]
- [61] Zero O, Geary M. COVID-19 and Intimate Partner Violence: A Call to Action. R I Med J (2013) 2020; 103(5): 57-9.
- [PMID: 32481784]
   [62] Hancock T, Siu KA. Culturally Sensitive Intervention with Domestically Violent Latino Immigrant Men. Fam Viol 2009; 24(2): 123-32.
- [http://dx.doi.org/10.1007/s10896-008-9217-0]
  [63] Clark HM, Grogan-Kaylor A, Galano MM, Stein S, Montalvo-Liendo N, Graham-Bermann S. J Fam Violence 2018; 33: 257-68.
  [http://dx.doi.org/10.1007/s10896-018-9957-4]
- [64] Habigzang LF, Aimèe Schneider J, Petroli Frizzo R, Pinto Pizarro de Freitas C. Evaluation of the impact of a Cognitive-Behavioral intervention for women in domestic violence situations in Brazil. Universitas Psychologica 2018; 17(3): 1-11. [http://dx.doi.org/10.11144/Javeriana.upsy17-3.eicb]
- [65] Ogum Alangea D, Addo-Lartey AA, Chirwa ED, et al. Evaluation of the rural response system intervention to prevent violence against women: findings from a community-randomised controlled trial in the Central Region of Ghana. Glob Health Action 2020; 13(1)1711336 [http://dx.doi.org/10.1080/16549716.2019.1711336] [PMID: 31935166]
- [66] Fortuna LR, Porche MV, Alegria M. Political violence, psychosocial trauma, and the context of mental health services use among immigrant Latinos in the United States. Ethn Health 2008; 13(5): 435-63.
  - [http://dx.doi.org/10.1080/13557850701837286] [PMID: 18850369]
- [67] Graham A, Haner M, Sloan MM, Cullen FT, Kuling TC, Jonson C. Race and Worrying About Police Brutality: The Hidden Injuries of Minority Status in America. Vict Offenders 2020; 15(5): 549-73. [http://dx.doi.org/10.1080/15564886.2020.1767252]

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