Research Article

Physical Violence and Associated Factors among Housemaids Living in Debre-Tabor Town, Northwest Ethiopia: Does Employer Alcohol Intake Increase Housemaid Violence?

Kefyalew Amogne Azanaw,1 Abebaw Addis Gelagay,2 Ayenew Molla Lakew,3 and Destaw Fetene Teshome3

1Department of Nursing, Debre Tabor Health Science College, Ethiopia
2Department of Reproductive and Child Health, College of Medicine and Health Sciences, University of Gondar, Gondar, Ethiopia
3Department of Epidemiology and Biostatistics, College of Medicine and Health Sciences, University of Gondar, Gondar, Ethiopia

Correspondence should be addressed to Ayenew Molla Lakew; mayenew15@gmail.com

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Background. Violence against women and girls continues to be a global epidemic, including Ethiopia. Housemaids are a neglected segment of the population, and there are no sufficient findings in our country. This study aimed to assess the magnitude of physical violence and associated factors among housemaids aged 15 years and above living in Debre Tabor town, northwest Ethiopia. Methods. A community-based cross-sectional study was conducted in Debre Tabor town, northwest Ethiopia from April 1 to 30, 2018. A total of 634 housemaids were selected using cluster sampling method. Data were entered into Epi info version 7.2.2.6 and analyzed with SPSS version 20 using descriptive and analytic statistics. Binary logistic regression analysis was carried out to identify independent significant factors. Adjusted odds ratio (AOR) with 95% confidence interval (CI) was used to report the strength of associations. Results. From 634 housemaids that participated in the study, 235 (37.1%, 95% CI: 33.1−41.0) of them experienced at least one type of physical violence in their lifetime. Housemaids who previously lived in rural areas (AOR = 2.82, 95% CI: 1.61, 4.94), had high working experience (AOR = 2.17, 95% CI: 1.27, 3.71), not having parents (AOR = 2.02, 95% CI: 1.18, 3.46), being divorced (AOR = 2.23, 95% CI: 1.31, 4.20), employer alcohol consumption (AOR = 4.97, 95% CI: 2.81, 8.79), and presence of extended family with employers (AOR = 2.26, 95% CI: 1.42, 3.59) were independently associated with the probability of housemaid physical violence. Conclusion. High prevalence of housemaid physical violence has been reported. Socio-demographic characteristics of both employers and employees and the behavioral characteristics of employers contributed to physical violence. It is important to give special attention to housemaids who came from rural areas and do not have parents. It is also important to make work experience of housemaids as short as possible.

1. Introduction

According to the World Health Organization (WHO) definition, violence against women is any act of Gender-Based Violence (GBV) 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 [1]. Universally, all types of violence overlap in a relationship and a significant public health problem, but the level and pattern of violence greatly vary between setting, culture, and segment of the population [2]. Ethiopia is one of the countries where the highest prevalence of both physical and sexual violence against women by an intimate partner is documented [3].

Most studies conducted on violence against women agreed that lower educational status, abuse of alcohol, khat and smoke, and younger women are more likely to increase the experience of violence against women [4–6].

Globally, 10–69 percent of women suffered from physical violence by their intimate partners [7]. In sub-Saharan Africa, the experience of women with physical and/or sexual violence by their intimate partner ranges from 27–59% [8]. In Ethiopia, the prevalence of housemaid physical violence was 16.3% [6].
Gender-based violence is an insidious human right issue and has public consequences [8]. The impact of violence is beyond physical injuries; it also accounts for disability, depression, physical, and reproductive problems, and risky sexual behavior [9].

Worldwide within its informal nature, domestic workers are still challenged to regulation and policy implementation which leads to limited opportunities for access to social and legal protection [10]. Violence often goes unrecognized and unreported, and also masked in a culture of silence. Due to less reportable nature of violence, reliable information on the prevalence of the various forms of violence remains scarce.

Even though there are studies conducted on violence globally and also in the country of Ethiopia, there is a lack of sufficient information about the magnitude and associated factors of physical violence against housemaids. Housemaids are neglected segment of the population, and there is no sufficient information identified as a priority in the national planning documents in Ethiopia. Thus, this study aimed to assess the magnitude and associated factors of physical violence against housemaids.

The finding of the research will provide valuable information to labor and social affairs, health professionals, and policymakers to plan their resource and implementation.

2. Materials and Methods

A community-based cross-sectional study was conducted in the Debre Tabor town from April 1 to 30, 2018. The town is located 666 km north of Addis Ababa, the capital city of Ethiopia. All housemaids aged 15 years and above who were living in the Debre Tabor town were considered as the source population. The sample size was calculated using the single population proportion formula assuming 16.3% prevalence of physical violence against housemaids [6], 95% confidence level, and 4% margin of error. Considering a 5% nonresponse rate and using the design effect of 2, the total sample size was 626. Since cluster sampling was employed, 634 individuals were finally sampled.

A cluster sampling technique was employed to select the participants. In the study area, there are four Kebeles (the smallest administrative unit) from which 50% of ketenas (also known as villages) were selected using the simple random sampling technique. The sample size was proportionally allocated for each Kebele, and clusters of households were enumerated from selected ketenas. Then, an eligible participant from each household was selected. All housemaids aged 15 years and above who were living for at least 6 months in the town preceding the data collection period were included.

The dependent variable was physical violence, defined as any acts of slapped or thrown something that could hurt, kicked, pushed or shoved her or pulled her hair, dragged her or beaten her up, hit her with his fist or with something else that could hurt her, choked or burnt her on purpose, and threatened to use or actually used a gun, knife or other weapon against her [11]. Socio-demographic and behavioral characteristics of employers (age, previous resident, marital status, educational status, religion, occupation, family size, khat chewing, and alcohol drinking) and socio-demographic characteristics of housemaids (age, previous resident, marital status, educational status, religion, family life situation, salary, and working experience as a housemaid in current home) were included as independent variables.

A pretested structured interviewer-administered questionnaire, adopted from the WHO multicountry study, was used to collect data. The questionnaire was written in English and then translated to the local language Amharic. The data were collected by eight trained health extension workers and supervised by four master holder individuals. To ensure data quality, training was given for data collectors and supervisors, and a close follow up and supervision were made.

Data were entered into Epi-info version 7.2.2.6 and exported into SPSS version 20 for analysis. Descriptive analysis was done to describe the data, binary logistic regression analysis was used to identify the associated independent factors. The Adjusted Odds Ratio (AOR) with 95% confidence interval (CI) was used to report the strength of associations of variables. Finally, a significant association was declared at a p-value of less than 0.05. The Hosmer and Lemeshow goodness of fit test was also made to check the model fitness. Ethical approval was obtained from the University of Gondar, Institute of Public Health Ethical Review Committee. An official letter was obtained from the Debre Tabor town administration, mayors’ office. Verbal informed consent was obtained from participants whose age was 18 years and above. Participants whose age was less than 17 years, verbal assent was obtained from their employers after describing the purpose, benefit, and risk of the study and their right on the decision to participate in the study. Their names were omitted to ensure confidentiality and privacy. The interview was performed at a suitable and secure place. Finally, the questionnaire was cleaned, stored and analyzed at a secured place.

3. Results

3.1. Socio-Demographic Characteristics of Housemaids. A total of 634 housemaids participated in the study with a 100% response rate. Among the participants, 386 (60.9%) were in the age group of 15−19 years with a median age of 18.5 (IQR: 17, 21) years. Of the total participants, 519 (81.9%) previously lived in a rural area, and 574 (90.5%) were single. Concerning work experience, 491 (71.4%) of housemaids had 1−4 years of work experience, only 251 (39.6%) housemaids had both father and mother, and 141 (22.2%) had no parents (Table 1).

3.2. Socio-Demographic Characteristics of Employers. One-fourth, 162 (25.6%), of the employers were in the age group of 30−34 years with a median age of 35 (IQR: 30−40) years. Around half, 325 (51.3%), of the employers had a certificate and above educational level, majority, 538 (84.9%) were married, and 297 (46.8%) were government employees (Table 2).

3.3. Prevalence of Physical Violence. From the participants, 235 (37.1%) (95% CI: 33.1, 41.0) have experienced physical violence during their lifetime while they became housemaids, and 105 (16.6%) (95% CI: 13.7, 19.5) experienced in the last
12 months. For those who experienced lifetime violence, 164 (56.9%) were from their female employers (Figure 1).

3.4. Factors Associated with Housemaid Violence. Housemaid’s previous resident, working experience, family living situation, employer’s marital status, employer alcohol consumption, and extended family living with employers were independently associated with housemaid physical violence.

Accordingly, the odds of physical violence were almost three folds among housemaids who previously lived in rural areas compared to urban ($AOR = 2.82, 95% CI: 1.61, 4.94$). The housemaid who had neither father nor mother was about two times more likely to experience physical violence compared to those who had both father and mother. Either of the male or female employer is an alcohol user increases the likelihood of housemaid physical violence by five folds ($AOR = 4.97, 95% CI: 2.81, 8.79$) (Table 3).

4. Discussion

In this study, it is tried to estimate the prevalence of physical violence and identify associated factors among housemaids at the Debre Tabor town, northwest Ethiopia. The prevalence of physical violence during their lifetime, while they became housemaid, was (37.1%) (95% CI: 33.1, 41.0). The finding was consistent with a finding in Bangladesh [12]. However, it is slightly higher compared to a study conducted in the Gondar zuria district, northwest Ethiopia [13], and Germany [14], and significantly higher than a study conducted in the Mekele town, northern Ethiopia [6]. This could partly be due to the

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**Table 1:** Socio-demographic characteristics of housemaids, Debre Tabor town, Ethiopia, 2018.

| Variables                  | Frequency (%) |
|----------------------------|---------------|
| Previous residence         |               |
| Urban                      | 115 (18.1)    |
| Rural                      | 519 (81.9)    |
| No education               | 317 (50.0)    |
| Educational status         |               |
| Primary education          | 181 (28.5)    |
| Secondary above education  | 136 (21.5)    |
| 15–19                      | 386 (60.9)    |
| Age of housemaid           |               |
| 20–24                      | 164 (25.9)    |
| 25+                        | 84 (13.2)     |
| Orthodox                   | 588 (92.7)    |
| Housemaid’s religion       |               |
| Protestant                 | 8 (1.3)       |
| Muslim                     | 38 (6.0)      |
| Married                    | 34 (5.4)      |
| Marital status of housemaid|               |
| Single                     | 574 (90.5)    |
| Divorced + widowed         | 26 (4.1)      |
| 100–300                    | 282 (44.5)    |
| Salary of housemaid        |               |
| 301–500                    | 306 (48.3)    |
| 501+                       | 46 (7.3)      |
| Both alive                 | 251 (39.6)    |
| Family living situation    |               |
| Only father alive          | 112 (17.7)    |
| Only mother alive          | 130 (20.5)    |
| Both dead                  | 141 (22.2)    |
| 0.5–2 years                | 212 (33.4)    |
| Work experience            |               |
| [2–4) years                | 269 (42.2)    |
| 4+ years                   | 153 (24.1)    |

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**Table 2:** Socio-demographic and behavioral characteristics of employers, Debre Tabor town, Ethiopia 2018.

**Figure 1:** Housemaid physical violence with perpetrators at Debre Tabor town, Ethiopia 2018.
The housemaid who had no or less family support could increase the risk of housemaid violence. In this finding, housemaids who had neither father nor mother or both were about two times more likely to have lifetime physical violence compared to those who had both father and mother. This finding was consistent with another study in northern Ethiopia [6]. The possible reason might be parents’ support could increase the confidence in housemaid, and this helps to protect them from any violence. This might also make employers understand that conflict may happen with the parents of the housemaids. Hence, employers may refrain from causing violence.

Divorced or widowed employers increased the odds of housemaid physical violence by a factor of 2.34 compared to married employers. This finding is supported by other studies [12, 18, 19]. This is because divorced or widowed employers might have different problems like psychosocial problems that may lead to envy and depression. A study in 53 countries conducted by the WHO showed that divorced or widowed individuals increased the likelihood of depression [20]. These groups of individuals most likely to be aggressive due to their incompetence in their marriage may be an additional reason.

The odds of physical violence were five times higher among either male or female alcoholic employers. The finding was similar to that of studies conducted in Slovenia, Ghana, Uganda, eastern Sudan, Shimelba refugee camp northern

### Table 3: Logistic regression analysis to identify factors associated with lifetime physical violence among housemaid, Debre Tabor town, Ethiopia 2018.

| Variables                      | Housemaid violence |       |       |
|-------------------------------|--------------------|-------|-------|
|                               | Yes | No | COR (95% CI) | AOR (95% CI) |
| Previous residence            |     |    |       |        |
| Urban                         | 21  | 94 | 1.00  | 1.00   |
| Rural                         | 214 | 305| 3.14 (1.89, 5.20) | 2.82 (1.61, 4.94) |
| [0.5–2 years]                 | 51  | 161| 1.00  | 1.00   |
| Work experience               |     |    |       |        |
| [2–4 years]                   | 99  | 170| 1.84 (1.23, 2.75) | 1.35 (0.86, 2.13) |
| 4+ years                      | 85  | 68 | 3.95 (2.52, 6.18) | 2.17 (1.27, 3.71) |
| 15–19                         | 132 | 254| 1.00  | 1.00   |
| Age of housemaid in years     |     |    |       |        |
| 20–24                         | 71  | 93 | 1.47 (1.01, 2.14) | 1.00   |
| 25+                           | 32  | 52 | 1.18 (0.73, 1.93) | 1.00   |
| 100–300                       | 86  | 196| 1.00  | 1.00   |
| Salary housemaid              |     |    |       |        |
| 301–500                       | 132 | 174| 1.73 (1.23, 2.42) | 1.00   |
| 501+                          | 17  | 29 | 1.34 (0.69, 2.56) | 1.00   |
| Family living situation       |     |    |       |        |
| Both alive                    | 59  | 192| 1.00  | 1.00   |
| Only father alive             | 53  | 59 | 2.92 (1.82, 4.69) | 2.02 (1.18, 3.46) |
| Only mother alive             | 60  | 70 | 2.79 (1.78, 4.38) | 1.97 (1.18, 3.28) |
| Both dead                     | 63  | 78 | 2.63 (1.69, 4.09) | 1.95 (1.20, 3.18) |
| 1–3                           | 59  | 90 | 1.00  | 1.00   |
| Family size of employer       |     |    |       |        |
| 4–6                           | 161 | 264| 0.93 (0.64, 1.36) | 1.00   |
| 7+                            | 15  | 45 | 0.51 (0.26, 0.99) | 1.00   |
| Married                       | 190 | 348| 1.00  | 1.00   |
| Marital status of employer    |     |    |       |        |
| Single                        | 11  | 17 | 1.19 (0.54, 2.58) | 1.62 (0.67, 3.91) |
| Divorced + widowed            | 34  | 34 | 1.83 (1.10, 3.04) | 2.34 (1.31, 4.20) |
| Extended family               |     |    |       |        |
| No                            | 164 | 341| 1.00  | 1.00   |
| Yes                           | 71  | 58 | 2.54 (1.72, 3.77) | 2.26 (1.42, 3.59) |
| Employer alcohol consumption  |     |    |       |        |
| No                            | 164 | 378| 1.00  | 1.00   |
| Yes                           | 71  | 21 | 7.79 (4.63, 13.11) | 4.97 (2.81, 8.79) |

**COR**: crude odds ratio, **AOR**: adjusted odds ratio.

The housemaid who had no or less family support could increase the risk of housemaid violence. In this finding, housemaids who had neither father nor mother or both were about two times more likely to have lifetime physical violence compared to those who had both father and mother. This finding was consistent with another study in northern Ethiopia [6]. The possible reason might be parents’ support could increase the confidence in housemaid, and this helps to protect them from any violence. This might also make employers understand that conflict may happen with the parents of the housemaids. Hence, employers may refrain from causing violence.

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The odds of physical violence were five times higher among either male or female alcoholic employers. The finding was similar to that of studies conducted in Slovenia, Ghana, Uganda, eastern Sudan, Shimelba refugee camp northern
Tigray, Mekele, and Gondar town which revealed that alcohol consumption of employers increased the likelihood of physical violence [5, 6, 13, 19, 21–23]. Many victims of housemaids reported that when the employers took excess alcohol than usual, they assaulted the housemaids. A qualitative study in Debre Tabor town also supported this finding [24]. This is because alcohol has a depressive mental impairment and thus, human beings are encouraged to undertake violence.

An employer having extended family was 2.56 times more likely to increase the probability of housemaids’ physical violence. This is because when there are a number of families in the household, the possible sources of violence increased as well, and this increases the likelihood of housemaid violence. Besides, employers with extended family may not have sufficient material assets and income for their expenditure and became more aggressive on their employees.

Though the study did its best to determine the magnitude of physical violence and associated factors in the study setting, it is not free from some limitations. The study was quantitative, and it was better if the qualitative approach was also employed to investigate attitudes of study subjects towards gender-based violence. It may also be exposed to recall bias due to the nature of the cross-sectional design.

**5. Conclusion**

The magnitude of physical violence among housemaids was high. Housemaids coming from rural areas, having more than four years working experience, not having either a mother or a father or both, and employers’ alcohol use, having extended family, and being divorced or widowed are the independent factors for housemaid physical violence.

The labor and social affair office and women and children’s office have to give special attention and develop strategies to prevent violence of housemaids. It is also important to interrupt the contract of housemaids and employers, and change the behavior of employers so that they do not use alcohol. Further research is needed to address the psychological, sexual, and economic violence of housemaids.

**Abbreviations**

AOR: Adjusted odds ratio  
CI: Confidence interval  
COR: Crude odds ratio  
GBV: Gender based violence  
SPSS: Statistical package for social science  
WHO: World health organization.

**Data Availability**

All relevant information is within the manuscript. The data upon which the result was based will be available on request.

**Conflicts of Interest**

The authors declare that they have no conflicts of interest.

**Authors’ Contributions**

Kefyalew Amogne Azanaw designed the study, developed the proposal, participated in data collection, performed analysis, and interpretation of data and drafted the paper. Abebaw Addis Gelagay, Ayenew Molla Lakew, and Destaw Fentene Teshome assisted in the design of the study, proposal writing, data analysis, and interpretation of the study. Ayenew Molla Lakew carried out the manuscript preparation. All authors reviewed and approved the final manuscript.

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