Bullying victimization among school-going adolescents in Iraq

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Abstract:

Background: Bullying victimization is a major public health problem. Interest in bullying in Arab world is a recent phenomenon. Publication on victimization in Iraq is scares. Therefore this study was conducted to report bullying among students of Iraqi schools.

Methods: A total of 302 students from Baghdad was selected by a cluster random sample to include in this study. An Arabic version of standardized questionnaire was obtained from the International (ISPCAN). Identification of bullying (bullies, victims and sexual victims) was done by using a cutoff for the scoring of bullying manifestation in the questionnaire depending on three repeated action at least to consider as bullies. P value less than 0.05 was considered significant for meeting the criteria of bullying.

Results: Out of the total 39.1% were bullied pupils (victims) there was a significant association between bullying and victim with sex (P=0.001). Bullying and victimization was significantly associated with smoking, drug abuse, and failure in school (P=0.001 for each).

Conclusion: High prevalence of victimization (bully, victims and sexual victim was revealed among students in schools as a predictor for smoking and drug abuse.

Keywords: Bullying, victimization, sexual victim, Iraq.

Introduction:

Bullying victimization is a major adolescent’s health problem. Adolescents of low affluent families  or lower socioeconomic position (expressed as educational level or economic affluence ), with sedentary habits (more than 3 hours per day), and live in communities with frequent unrest. In the last 4 decades, Iraq exposed to wars, civil war, widespread violence and sectarian violence which in turn means unrest community, internal displaced families (low affluence) and high exposure to trauma. Literature documented high prevalence of bullying victimization in communities with frequent unrest conditions and/or with community violence. Interest in school bullying among Arab world is a recent phenomenon. Published articles on bullying in Iraq is scarce, therefore, this work was carried out to report on bullying victimization in Baghdad.

Materials and methods:

A total of 302 students from the secondary schools in Al-Karkh side of Baghdad was participated in the study. Their age was 15.7 ± 1.9 years with male to female ration of 1.3:1. Participated students were recruited by multistage random sampling (one directorate of education out of four directorates in Al- Karkh, and 10 schools out of in the directorate, the students were selected by the systemic random sampling). An Arabic version of standardized questionnaire was obtained from the international society for prevention of child abuse and neglect (ISPCAN). The Arabic version was translated and validated for previous use in Arab world. A minor modification was adapted to the Iraqi culture and local vocabulary. The questionnaire was self-completed. The researcher was in the field to explain the aim of the study and to show the participants how to complete questionnaire. Enough space for privacy was tried as possible. Detailed sections concerning all types of bullying were in the questionnaire e.g. physical bullying (hitting, kicking, pushing, shoving, tripping, spitting …etc); verbal bullying (teasing, name calling, taunting, threatening …etc); and relational bullying (making offensive sexual jokes, sexual comments …etc i.e. sexual bullying).

Students were bullied, adolescents bullying victim were the victim of sexual bullying. Demographic characteristics of the students (age, sex, family information …etc) were requested also. Smoking and drug abuse were sections in the questionnaire. Chi square was used to examine the association of victimization and sexual victimization (dependent variable) with sex, smoking and drug abuse (independent variable). Student’s t test was used to examine the difference in age between victims and others, also, between sexual victims and the others. P value < 0.05 was considered as significant.
Results:
Out of the total, 118 (39.1%) students reported bullying victimization and 65 (21.5%) reported relational victimization (sexual victimization). Age of students reported bullying victimization was $15.5 \pm 1.8$ years, and of those reported no bullying victimization was $15.9 \pm 2.1$ years. No significant differences in age between victims and others ($t = 1.7$, d.f.=300, $p = 0.08$). Age of students reported sexual victimization was $15.2 \pm 1.7$ year and those reported no sexual victimization was $15.9 \pm 2.03$ year. A significant difference was noticed in age between those reported sexual victimization and those reported no sexual victimization ($t = 2.3$, d.f.= 300, $p = 0.02$) (Table 1).

Table 1 Age distribution of victim and sexual victim students

| Variable | Frequency | Age |
|----------|-----------|-----|
|          | No. | % | mean | SD |
| Victim   |     |   |      |    |
| Yes      | 118 | 39.0 | 15.5 | 1.8 |
| No       | 184 | 61.0 | 15.9 | 2.1 |
| Sexual   |     |   |      |    |
| Yes      | 65  | 21.5 | 15.2 | 1.7 |
| No       | 237 | 78.5 | 15.9 | 2.03 |

Out of total, 105 (61.8%) male students and 13 (9.8%) female students reported bullying victimization. A significant association between sex and bullying victimization was observed ($\chi^2 = 84.8$, d.f.= 1, $p = 0.001$). Sixty one (35.9%) male students and 4 (3%) female students reported sexual bullying. A significant association of sex with sexual bullying was noticed ($\chi^2 = 47.6$, d.f.= 1, $p = 0.001$) (Table 2).

Table 2 Sex distribution and sexual victim students

| Variable | Yes | No |
|----------|-----|----|
|          | %   | %  |
| Male     | 105 | 61.8| 65  | 38.2|
| Female   | 13  | 9.8 | 120 | 90.2|
| Total    | 118 | 38.9| 185 | 61.1|
| Sexual   |     |     |     |     |
|          | %   | %  |
| Male     | 61  | 35.9| 109 | 64.1|
| Female   | 4   | 3.0 | 129 | 97.0|
| Total    | 65  | 21.5| 238 | 78.5|

Table 3 shows distributions of smoking and drug abuse among students according to reporting bullying victimization and sexual bullying. Twenty nine (24.6%) victims were smoking and 4 (3.4%) victims were abusing drugs. Being victim and smoking was significantly associated ($\chi^2 = 31.8$, d.f.= 1, $p = 0.001$). Nineteen (29.2%) sexual victims were smokers and 3 (4.6%) sexual victims were abusing drugs. Significant association between sexual bullying and both smoking and drug abuse ($\chi^2 = 25.1$, d.f.= 1, $p = 0.001$ and $\chi^2 = 6.8$, d.f.= 1, $p = 0.009$).

Table 3 Distribution of smoking and drugs abuse among victims and sexual victims

### Smoking

| Victim | Yes | No |
|--------|-----|----|
|        | %   | %  |
| Total  | 35  | 11.6| 267 | 88.4|
|        | 4   | 1.3 | 298 | 98.2|

### Sexual victim

| Victim | Yes | No |
|--------|-----|----|
|        | %   | %  |
| Total  | 35  | 11.6| 267 | 88.4|
|        | 4   | 1.3 | 298 | 98.7|

Discussion:
The prevalence of bullying victimization was 39.1%. It is higher than that reported in Arabic world e.g. Egypt (34.2%), Yemen (21.5%), Jordan (18.3%), Tunisia (12.3%) and Morocco (10.3%). Variations in the prevalence of bullying victimization were reported among countries. Low rates were reported in the high income countries and high rates were in low and middle income countries. The difference was partially explained by socioeconomic inequalities which in turn negatively affect the social cohesion that buffered against interpersonal conflict. Socioeconomic inequality in Iraq was shown in several surveys and reports. Rapid growth and unplanned urbanization through uncontrolled immigration and recent internally displacing families to Baghdad after the change of regime (2003) and during ongoing widespread violence might be contributed to the observed high rate (39.1%). Economic inequalities usually implies power imbalance which in turn associated with bullying. It was suggested that children and adolescents growing in social context with large power imbalance develop peer relationship mimic the unequal relations. Community violence (terrorism and widespread violence) influence victim bullying among adolescents. There was a positive relationship between school violence (bullying) and community crime rate. Terrorism and widespread violence in Iraq for the last 4 decades might
be contributed to the observed high figure of victimization (39.1%). Political violence is usually justified by belief that violence is legitimate way to reach sociopolitical goals. It is likely that children in the context of political violence might learn such belief and apply it to their own relation 10. The rate of those sexually bullied (sexual comments …etc) was 21.4%. It is similar to that in Yemen (21.8%) 9. The exposure to wars and widespread violence might be contributed to similar rates reported in Iraq and Yemen. Literature 8,9 documented high prevalence of bullying victimization in communities with frequent unrest conditions and/or with community violence. The observed rate was higher than that reported in Egypt (13.5%), Jordan (12.6%) and Tunisia (12.5%) 6. The difference might be attributed to the socioeconomic inequalities and/or political violence. No significant difference in age between victim of bullying and those noninvolved. It is inconsistent with that of other articles 15,18. This difference might be explained by the unique exposure to community violence and the recent developed socioeconomic inequality. Similar finding was reported in Algeria and attributed to frequent unrest 19. Bully victimization and bully sexual victimization was significantly higher among males. This finding is consistent with that of other studies 6,20. Bully victims and sexual victim were significantly predicting substance use (smoking and drugs). Literature shows contradictory views. Several articles 21-23 documented that school victims were more likely to use substances more than noninvolved peers. Others 22,24 found that victims of bullying were less engaged in substance use than non-victims. It was shown that bullying (bully, victim, bully-victim and bystander) and substance use are related 6. However, the nature of this association is still largely unknown. In previous communications, substance use was attributed to exposure of Iraqis to wars, civil war and widespread violence 11,12,23. In conclusion high rates of bully victimization and sexual victimization were reported in Iraq. Victimization was higher among males. Findings highlight elevated rates of smoking and drug abuse among bully and sexual victims.

Authors contributions:

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Mushtaq T. Hashim:  
Eman A. Al-Kaseer:  
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