



Socioeconomic Status and Dimensions of Mental Health with Suicidal Ideations among Students

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Dear Editor-in-Chief

Suicide is considered as a deliberate behavior in which several factors play important roles. Individual mental status as well as social and economic performance among university students may have potential impact on suicidality (1). University students are at the risk of developing mental disorders such as depression with suicidal ideations (2). They are in the most active period of their lives seeking for more gratifications but they could face with several barriers such as separation from belongings, losing family supports, living in a dormitory, experiencing economic problems, being forced to get autonomy, having learning problems, and uncertain future of work may make them feel unhappy (3).

One of the causes of suicide in developing countries is stressful social events (4, 5). Suicidal behavior can be considered as the result of a complex interaction of psychosocial and familial factors. Social changes that may be in relation with suicide include family instability, marital conflicts

divorce, poverty and unemployment. University students are the potential human resources of a country by whom the future of a society will be constructed in the modern era. More healthy students will more likely get achievements (6).

Therefore, the purpose of the study was to investigate the association between socioeconomic status and dimensions of mental health with suicidal ideations among university students.

The methods of this study were a descriptive and correlational one. Overall, 900 people were enrolled from the University of Tabriz Students in 2016-2017.

The study was approved by the regional Ethics Committee under the code number of IR.TBZMED.REC.1396.1260.

Beck Scale for Suicide Ideation (BSSI), Symptom Checklist-90-Revised (SCL-90-R) and socioeconomic status scale of Ghodrathnama and the colleagues were used. The correlation and multiple regression methods were used to analyze the re-



search data through SPSS (Chicago, IL, USA) version 23.

Mental health and socioeconomic status had a significant negative association with suicidal ideations. Correlation results showed that depression with $r = 0.514$ and $P < 0.01$ had the highest correlation with suicidal ideations. After that, Psychoticism with $r = 0.478$, $P < 0.01$ and obsessive-compulsive with $r = 0.463$ and $P < 0.01$ were placed respectively. The somatization was also correlated with suicidal ideations while $r = 0.231$ and $P < 0.05$. Among the components of the so-

cioeconomic status, income with $r = -0.401$ and $P < 0.01$ had the highest correlation coefficient and then the economic class component with $r = -0.321$ and $P < 0.05$ rests in the second place (Table 1). The results of regression analysis indicated that the mental health variable predicted suicide in merely 58.6% of people. With the addition of the socioeconomic status variable in the equation, both variables predicted an average of 71.6% of the overall suicidal ideations among individuals (Fig. 1).

Table 1: Association between variables

<i>SCL-90-R</i>	<i>R</i>	<i>P</i>	<i>SCL-90-R</i>	<i>R</i>	<i>P</i>	<i>SCL-90-R</i>	<i>R</i>	<i>P</i>	<i>SES components</i>	<i>R</i>	<i>P</i>
somatization	0.242*	0.05	Depression	0.514*	0.01	Phobic Anxiety	0.110	0.9	Income	-0.401*	0.01
Obsessive-Compulsive	0.463*	0.01	Anxiety	0.127	0.09	Paranoid Ideation	0.98	0.14	Economic class	-0.321*	0.05
Interpersonal sensitivity	0.95	0.13	Hostility	0.109	0.11	Psychoticism	0.478*	0.01	Housing	-0.119	0.07

*P** (0.01), ** (0.05)

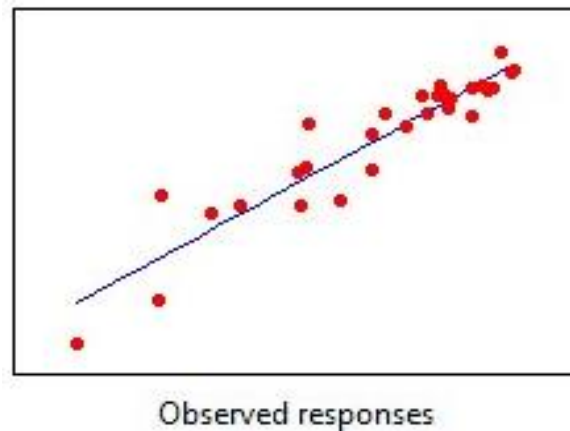


Fig. 1: Plot of observed response versus fitted responses for regression model $R^2 = 71.8\%$

As a result, mental health difficulties and socioeconomic problems may have a negative impact on developing suicidal ideations (7). Therefore, it is highly recommended to consider students'

mental health and social/ financial problems by educational managers responsible in the universities; a mission which would be included in curriculum plans.

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Conflict of interest

The authors declare that there is no conflict of interest.

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