

## JOINT EVENT

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**Prevention of substance use and violence among University students in Jordan: An interventional-comparative study between computer-mediated and conventional methods of prevention****Ayman M Hamdan Mansour**

The University of Jordan Amman, Jordan

Substance and violence seems to overwhelm modern societies, and nowadays, became one main issue that concerns health care professionals at the developing countries.

**Purpose:** The purpose of this study was to evaluate effectiveness of computer-mediated intervention to prevent substance abuse and violent behaviors and compare it to conventional intervention and a control group among first year University students in Jordan.

**Methods:** A randomized control clinical trial design to evaluate the effectiveness of using a computer-mediated intervention as a preventive intervention for substance abuse. A total number of 90 University students were randomly assigned into the three groups; computer mediated, conventional, and control group. Data collected regarding attitudes toward substance use and psychological related factors in addition to socio-demographic information.

**Results:** The analysis showed that there was no significant difference in University students' in attitudes toward substance use in relation to gender, working status, and family history of psychiatric disorder; ( $t=-1.03$ ,  $p=0.3$ ); ( $t=-0.12$ ,  $p=0.9$ ); ( $t=1.16$ ,  $p=0.3$ ) respectively. The ANOVA test of between-subject effect reported a very significant changes between the two time points for the entire sample together EE ( $F_{1, 29}=9586.82$ ,  $p\text{-value}<.001$ ). A significant F test means there are differences between the three time points. The change took place between the pre-test and post-test (time two). The reduction was positively fair i.e., 3.58. However, the effect of computer mediated intervention between the pre-test and post-test (time two) was positive (3.58).

**Conclusion:** Using computer-mediated software was effective to reduce vulnerability to substance use and sustain negative attitudes toward using substance and violent behaviors.

**Notes:**