

[Free Full Text from Publisher](#)[Look Up Full Text](#)[Full Text from Publisher](#)[Save to EndNote online](#)[Add to Mar](#)

◀ 1 of 2 ▶

Prevalence of Internet Addiction and its association with depression, anxiety and stress among Medical Students in Malaysia

By: Radeef, AS (Radeef, Ali Sabri)^[1]; Faisal, GG (Faisal, Ghasak Ghazi)^[2]

MEDITERRANEAN JOURNAL OF CLINICAL PSYCHOLOGY

Volume: 6 Issue: 3

DOI: 10.6092/2282-1619/2018.6.1987

Published: 2018

Document Type: Article

Abstract

Background: Using the internet excessively by students is known to cause internet addiction (IA) which may result in negative consequences such as decline in academic performance, social isolation, and emotional disturbances. This study aims to assess IA and its association with emotional disturbances among medical students.

Methods: A sample of 268 medical students participated in this study. Internet addiction was assessed using Malay version of Chen Internet addiction Scale while the prevalence and severity of depression, anxiety and stress were assessed by Depression Anxiety, Stress Scale (DASS-21).

Results: The rate of IA among students was 22.8%. No significant differences in terms of gender and other socio-demographic factors. IA was significantly associated and positively correlated with depression and anxiety symptoms but has inverse correlation with social interaction. Multiple linear regression analysis showed that stress ($\beta = 0.261$, $P = 0.005$) was a significantly important risk factor.

Conclusions: IA is potentially high among medical students. Male and female students are equally affected. IA is significantly higher among students with poor social interaction. IA has a positive correlation with depression, anxiety and stress symptoms but inverse correlation with social interaction and stress can be considered as a predictive factor for IA.

Keywords

Author Keywords: [Internet addiction](#); [Depression](#); [Anxiety](#); [Stress](#); [Students](#); [Malaysia](#)

KeyWords Plus: [LIFE](#)

Author Information

Reprint Address: Faisal, GG (reprint author)

+ Int Islamic Univ Malaysia, Dept Fundamental Dent & Med Sci, Kulliyyah Fac Dent, Indera Mahkota Campus, Kuantan 25200, Pahang, Malaysia.

Addresses:

+ [1] Int Islamic Univ Malaysia, Dept Psychiat, Kulliyyah Fac Med, Jalan Hosp Campus, Kuantan 25150, Pahang, Malaysia

+ [2] Int Islamic Univ Malaysia, Dept Fundamental Dent & Med Sci, Kulliyyah Fac Dent, Indera Mahkota Campus, Kuantan 25200, Pahang, Malaysia

E-mail Addresses: drghassak@yahoo.com

Funding

Funding Agency	Grant Number
International Islamic University Malaysia	

[View funding text](#)

Publisher

UNIV STUDI MESSINA, VIA DEI VERDI, MESSINA, 98122, ITALY

Citation Network

In Web of Science Core Collection

0

Times Cited

[Create Citation Alert](#)

40

Cited References

[View Related Records](#)

Use in Web of Science

Web of Science Usage Count

0

Last 180 Days

0

Since 2013

[Learn more](#)

This record is from:
Web of Science Core Collection
- Emerging Sources Citation Index

[Suggest a correction](#)

If you would like to improve the quality of the data in this record, please [suggest a correction](#).

Categories / Classification

Research Areas: Psychology; Mathematics

Web of Science Categories: Psychology, Clinical; Mathematics

See more data fields

Cited References: 40

Showing 30 of 40 [View All in Cited References page](#)

(from Web of Science Core Collection)

1.	Computer and internet use by first year clinical and nursing students in a Nigerian teaching hospital By: Ajuwon, GA. BMC Med Inform Decis Mak. Volume: 3 Pages: 10 Published: 2003	Times Cited: 6
2.	Title: [not available] Group Author(s): American Psychiatric Association Diagnostic and Statistical Manual of Mental Disorders DSM-5 Published: 2013 Publisher: American Psychiatric Publishing, Arlington	Times Cited: 2,122
3.	Title: [not available] By: [Anonymous]. Internet Users Survey Published: 2017 Publisher: Malaysian Communications and Multimedia Commission URL: https://www.mcmc.gov.my/skmmgovmy/media/General/pdf/MCMC-	Times Cited: 1
4.	A study on the influence of internet addiction and online interpersonal influences on health-related quality of life in young Vietnamese By: Bach Xuan Tran; Le Thi Huong; Nguyen Duc Hinh; et al. BMC PUBLIC HEALTH Volume: 17 Article Number: 138 Published: JAN 31 2017	Times Cited: 25
5.	Online Time and Gender Perceptions of Internet Addiction By: Beavers, L; Bell, RL; Choudhury, D; et al. Journal of Higher Education Theory and Practice Volume: 15 Issue: 3 Pages: 84 Published: 2015 [Show additional data]	Times Cited: 1
6.	The Association Between Psychological Well-Being and Problematic Use of Internet Communicative Services Among Young People By: Casale, Silvia; Lecchi, Stefano; Fioravanti, Giulia JOURNAL OF PSYCHOLOGY Volume: 149 Issue: 5 Pages: 480-497 Published: JUL 4 2015	Times Cited: 13
7.	Development of Chinese Internet Addiction Scale and its psychometric study By: Chen, SH; Weng, LC; Su, YJ; et al. Chin J Psychol Volume: 45 Pages: 279-294 Published: 2003 [Show additional data]	Times Cited: 160
8.	Internet Addiction Prevalence and Quality of (Real) Life: A Meta-Analysis of 31 Nations Across Seven World Regions By: Cheng, Cecilia; Li, Angel Yee-lam CYBERPSYCHOLOGY BEHAVIOR AND SOCIAL NETWORKING Volume: 17 Issue: 12 Pages: 755-760 Published: DEC 1 2014	Times Cited: 96
9.	Prevalence and factors associated with internet addiction among medical students - A cross-sectional study in Malaysia. By: Ching, S M; Hamidin, A; Vasudevan, R; et al. The Medical journal of Malaysia Volume: 72 Issue: 1 Pages: 7-11 Published: 2017-Feb	Times Cited: 8
10.	A review of the research on Internet addiction By: Chou, C; Condron, L; Belland, JC EDUCATIONAL PSYCHOLOGY REVIEW Volume: 17 Issue: 4 Pages: 363-388 Published: DEC 2005	Times Cited: 256