PEER-REVIEW REPORT

Name of journal: *World Journal of Psychiatry*

Manuscript NO: 76033

Title: Influencing factors, prediction and prevention of depression in college students: A literature review

Provenance and peer review: Invited manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 00505755

Position: Editorial Board

Academic degree: PhD

Professional title: Senior Research Fellow

Reviewer's Country/Territory: Japan

Author's Country/Territory: China

Manuscript submission date: 2022-02-27

Reviewer chosen by: AI Technique

Reviewer accepted review: 2022-03-01 02:09

Reviewer performed review: 2022-03-03 02:19

Review time: 2 Days

Scientific quality	[ ] Grade A: Excellent [ ] Grade B: Very good [Y] Grade C: Good [ ] Grade D: Fair [ ] Grade E: Do not publish
Language quality	[ ] Grade A: Priority publishing [Y] Grade B: Minor language polishing [ ] Grade C: A great deal of language polishing [ ] Grade D: Rejection
Conclusion	[ ] Accept (High priority) [ ] Accept (General priority) [Y] Minor revision [ ] Major revision [ ] Rejection
Re-review	[ ] Yes [Y] No

Peer-reviewer statements	Peer-Review: [Y] Anonymous [ ] Onymous
	Conflicts-of-Interest: [ ] Yes [Y] No

SPECIFIC COMMENTS TO AUTHORS

This review demonstrates the factors related to depression in college students. Some description on the network usage and time may be added around Table 1.

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Peer-review model: Single blind

Reviewer's code: 05794765

Position: Peer Reviewer

Academic degree: DNB, MBBS, MRCP

Professional title: Doctor

Reviewer's Country/Territory: New Zealand

Author's Country/Territory: China

Manuscript submission date: 2022-02-27

Reviewer chosen by: AI Technique

Reviewer accepted review: 2022-03-25 00:44

Reviewer performed review: 2022-03-30 01:59

Review time: 5 Days and 1 Hour

Scientific quality	[ ] Grade A: Excellent [ ] Grade B: Very good [Y] Grade C: Good [ ] Grade D: Fair [ ] Grade E: Do not publish
Language quality	[Y] Grade A: Priority publishing [ ] Grade B: Minor language polishing [ ] Grade C: A great deal of language polishing [ ] Grade D: Rejection
Conclusion	[ ] Accept (High priority) [ ] Accept (General priority) [Y] Minor revision [ ] Major revision [ ] Rejection
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Peer-reviewer	Peer-Review: [Y] Anonymous [ ] Onymous
statements	Conflicts-of-Interest: [ ] Yes [Y] No

SPECIFIC COMMENTS TO AUTHORS

To The Authors   Strength The paper brings an important and common concept of depression among college students. The paper discussed and well described about influencing factors, prediction and non-pharmacological preventions   Table 1 succinctly brings out the influencing factors well   Heading looks appropriate; the headings for areas of review given were appropriate. Literature review is adequate and up to date References are adequate and up to date Weakness and critique It was not clear from the literature review how the authors selected articles. Aim of the study mentions "this paper reviewed the extant literature related to college students' depression and aimed to systematically present the status quo of nonpathological related factors, prediction and nonpharmaceutical prevention of college students' depression to provide a reference for the identification, prediction and prevention of college students' depression around the world in the future."   But it was not clear how "systematically" they approached this study.   If it is meant to be a literature review only then systematically did not go very well there. Or if they want to make it 'systematic review', they may be able to mention methods and how they approached review. In addition it requires a section of "methods" needs to be added and appropriate tables of papers reviewed may be added. Heading 2 non pathological factors   first sentence - "Through literature analysis, the quantitative methods of nonpathological related factor analysis of college students' depression mainly include T-test, variance analysis, Pearson correlation analysis, and least square regression."   This sentence is more about statistics and it does not fit well in there. It was difficult to understand and not clear why researchers brought the statistical analysis done in various papers being mentioned there. Heading 3 paragraph 1 - "Specific

methods include support vector machines, decision trees, naïve Bayes classifiers, K-nearest neighbor classifiers and logistic regression [76]." Support vector machines, decision trees and naïve Bayers classifiers are algorithms whereas K nearest neighbors and logistic regressions are statistical methods. They are accepted methods of prediction using statistics. They are not confined to depression alone and this may be discussed separately in the manuscript. Heading 4.1 "In addition, the role of family support in the prevention and treatment of depression may have some heterogeneity." Could authors please describe how did you conclude on heterogeneity? In 4.2 on CBT discussion says 'its therapeutic effect was inconclusive.' a. In the manuscript reference 116, which is a meta-analysis shows clear benefit of CBT. There were around 24 studies included in that meta-analysis, though your (reference 105) is not included and is different approach too. Rationale for this statement may be further modified. b. In authors conclusion at the same time you mentioned that CBT has a positive effect with reference 116 being quoted. These two statements appears to be contradictory and needs further refinement. c. Authors may note that in another meta-analysis Seligman study was included and still showed benefit Authors may have considered resilience therapy as a method of non-pharmacological approach too. I just bring attention to tow studies on this area. (Chronotype and depressive symptoms: A moderated mediation model of sleep quality and resilience in the 1st-year college students. Zhou J; Hsiao FC; Shi X; Yang J; Huang Y; Jiang Y; Zhang B; Ma N, Journal of clinical psychology [J Clin Psychol], ISSN: 1097-4679, 2021 Jan; Vol. 77 (1), pp. 340-355; Effectiveness of resilience training versus cognitive therapy on reduction of depression in female Iranian college students. Zamirinejad S; Hojjat SK; Golzari M; Borjali A; Akaberi A, Issues in mental health nursing [Issues Ment Health Nurs], ISSN: 1096-4673, 2014 Jun; Vol. 35 (6), pp. 480-8;) Authors could also possibly mention why a systematic review was not attempted which would have given high external validity. Authors may include a table of studies they

5

have reviewed A PRISMA check list may be included

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Peer-review model: Single blind

Reviewer's code: 05906528

Position: Peer Reviewer

Academic degree: MD

Professional title: Assistant Professor, Staff Physician

Reviewer's Country/Territory: United States

Author's Country/Territory: China

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Reviewer performed review: 2022-04-03 02:54

Review time: 12 Days and 1 Hour

Scientific quality	[ ] Grade A: Excellent [Y] Grade B: Very good [ ] Grade C: Good [ ] Grade D: Fair [ ] Grade E: Do not publish
Language quality	[ ] Grade A: Priority publishing [Y] Grade B: Minor language polishing [ ] Grade C: A great deal of language polishing [ ] Grade D: Rejection
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	Conflicts-of-Interest: [ ] Yes [Y] No

SPECIFIC COMMENTS TO AUTHORS

Very pertinent topic in today's day and age. Authors have done a good job in the comprehensive review of psychosocial factors attributing to the development of depression in college students. They did a decent job in reviewing the investigating methods of predicting depressive symptoms in this subset of population. The section on non-pharmaceutical prevention of depression is well-written. May be authors can consider summarizing the salient points of non-pharmaceutical prevention measures in a table form. Please see attached the manuscript with a few more points that need to be addressed.

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Peer-review model: Single blind

Reviewer's code: 05615193

Position: Peer Reviewer

Academic degree: PhD

Professional title: Doctor

Reviewer's Country/Territory: United States

Author's Country/Territory: China

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Reviewer accepted review: 2022-03-28 02:44

Reviewer performed review: 2022-04-05 16:43

Review time: 8 Days and 13 Hours

Scientific quality	[ ] Grade A: Excellent [ ] Grade B: Very good [Y] Grade C: Good [ ] Grade D: Fair [ ] Grade E: Do not publish
Language quality	[ ] Grade A: Priority publishing [Y] Grade B: Minor language polishing [ ] Grade C: A great deal of language polishing [ ] Grade D: Rejection
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SPECIFIC COMMENTS TO AUTHORS

Please see attached manuscript with editor's comments. There are several sections that need expanded on and terminology used needs clarified. More literature review is needed in some domains, such as health living and evidenced based treatments of depression.   Authors should review, make corrections and additions to their literature review/manuscript.