Supplemental material

BMJ Publishing Group Limited (BMJ) disclaims all liability and responsibility arising from any reliance placed on this supplemental material which has been supplied by the author(s)

General Psychiatry

Supplementary Material 1

Search Strategy using keywords as per databases

1. **PubMed (Search hits-830)** Filters Applied: Journal Articles, Publication date from 2010/01/01 to 2020/12/31

   ("epidemiology"[MeSH Subheading] OR "epidemiology"[All Fields] OR "prevalence"[All Fields] OR "prevalence"[MeSH Terms] OR "prevalance"[All Fields] OR "prevalences"[All Fields] OR "prevalence s"[All Fields] OR "prevalent"[All Fields] OR "prevalently"[All Fields] OR "prevalents"[All Fields] OR ("internet addiction disorder"[MeSH Terms] OR ("internet"[All Fields] AND "addiction"[All Fields] AND "disorder"[All Fields]) OR "internet addiction disorder"[All Fields] OR ("internet"[All Fields] AND "addiction"[All Fields]) OR "internet addiction"[All Fields])) AND (("college"[All Fields] OR "college s"[All Fields] OR "colleges"[All Fields]) AND ("student s"[All Fields] OR "students"[MeSH Terms] OR "students"[All Fields] OR "student"[All Fields] OR "students s"[All Fields])) AND ("india"[MeSH Terms] OR "india"[All Fields] OR "india s"[All Fields] OR "indias"[All Fields])

2. **Web of Science Core Collection (Search hits-42)** Publication date from 2010/01/01 to 2020/12/31

   TOPIC: (internet addiction) OR TOPIC: (excessive internet use) OR TOPIC: (problematic internet use) AND TOPIC: (college students) AND (university students) AND (undergraduates) AND (india)

   Refined by: DOCUMENT TYPES: (ARTICLE)

3. **Scopus (Search hits - 19)** Publication date from 2010/01/01 to 2020/12/31
   TOPIC: (internet addiction) OR TOPIC: (excessive internet use) OR TOPIC: (problematic internet use) AND TOPIC: (college students) AND (university students) AND (undergraduates) AND (India)

Supplemental material

BMJ Publishing Group Limited (BMJ) disclaims all liability and responsibility arising from any reliance placed on this supplemental material which has been supplied by the author(s)

General Psychiatry

4. **EMBASE (Search Hits- 112)** Publication date from 2010/01/01 to 2020/12/31

   TOPIC: (internet addiction) OR TOPIC: (excessive internet use) OR TOPIC: (problematic internet use) AND TOPIC: (college students) AND (university students) AND (undergraduates) AND (India)

5. **PsycInfo (Search Hits – 29)** Publication date from 2010-01-01 - 2020-12-31

   Topic:- (internet addiction OR excessive internet use OR problematic internet use)AND (college students OR undergraduates) AND(India)
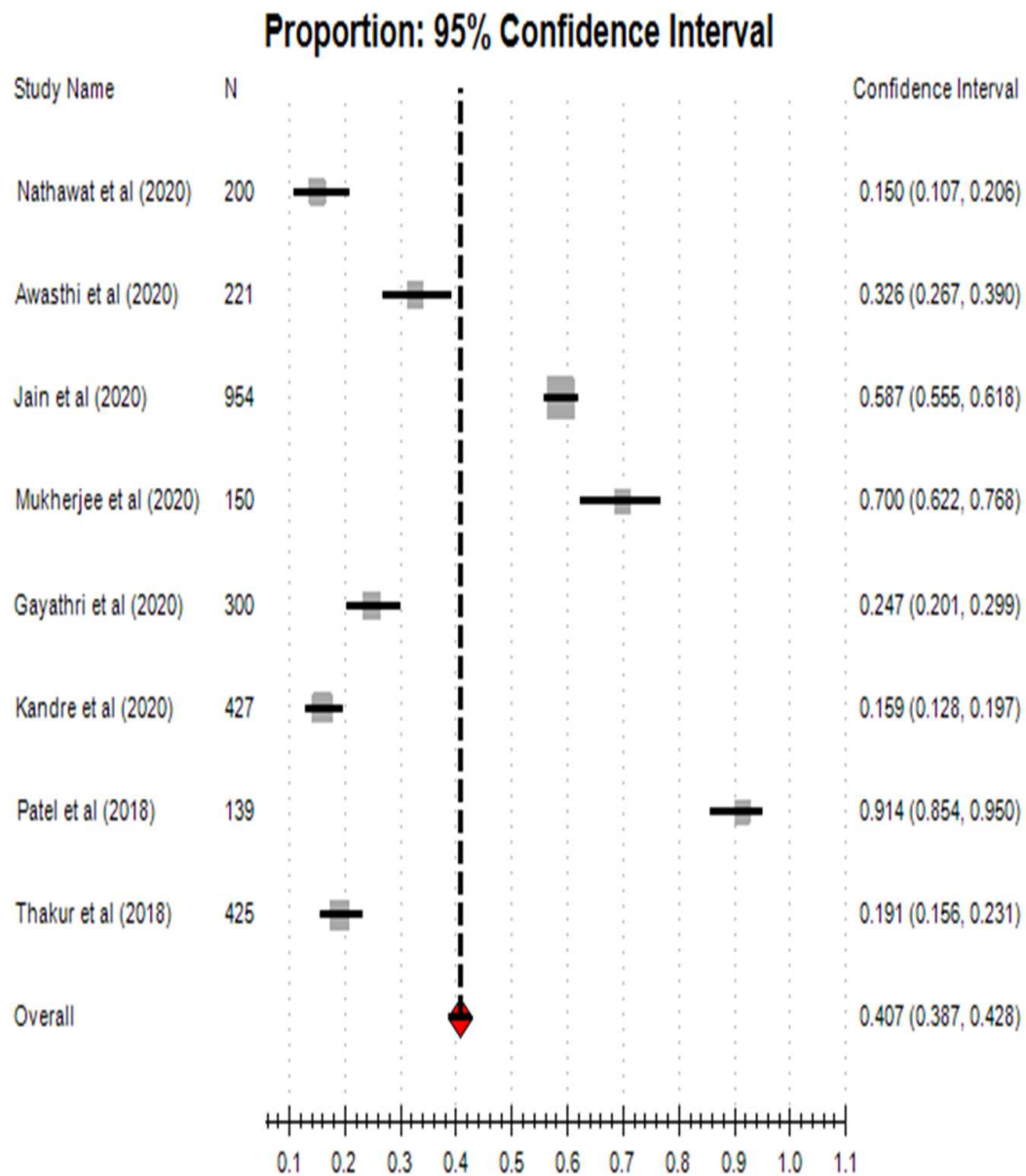
   Duplicates=12

6. **Google Scholar (Search hits- 312)** Publication date from 2010/01/01 to 2020/12/31

   Relevant Journals & Search:- Asian Journal of Psychiatry (24), Indian Journal of Psychiatry (68), Indian Journal of Social Psychiatry (21), Indian Journal of Psychological Medicine (27), Journal of Mental Health and Human Behaviour (10), Annals of Indian Psychiatry (9), Eastern Journal of Psychiatry (1), Archives of Mental Health (3), Kerala Journal of Psychiatry (5), Telangana Journal of Psychiatry (3), Indian Journal of Private Psychiatry (6) Indian Journal of Social Work (2), Indian Journal of Psychiatric Nursing (9), Indian Journal of Clinical Psychology (6), Indian Journal of Public Health (53), Indian Journal of Community Medicine (11), Journal of Family Medicine and Primary Care (26), International Journal of Community Medicine and Public Health (28)

   Search terms used: Internet use, addiction, students, college, India

Supplemental material

BMJ Publishing Group Limited (BMJ) disclaims all liability and responsibility arising from any reliance placed on this supplemental material which has been supplied by the author(s)

General Psychiatry

Supplementary Material 2

Supplementary Material 2: Pooled prevalence of IA among college students in India(Y-IAT≥40), Fixed effect model

Supplemental material

BMJ Publishing Group Limited (BMJ) disclaims all liability and responsibility arising from any reliance placed on this supplemental material which has been supplied by the author(s)

General Psychiatry

Supplementary Materials 3 Quality Assessment Criteria -Joanna Briggs Institute critical appraisal tool for prevalence studies

S No	Author/Year of publication	Sample frame to address the target population	Sampled in an appropriate way	Sample size adequate	Study subjects and the setting described in detail	Data analysis conducted with sufficient coverage of the identified sample	Valid methods used for the identification of the condition	Was the condition measured in a standard, reliable way for all participants	Appropriate statistical analysis	Was the response rate adequate, and if not, was it managed appropriately?	Score	Remarks
1.	Parvathy RS et al, 2020	1	0	1	1	1	1	1	1	1	8	Low Risk
2.	Pathak et al., 2020	0	0	0	0	1	1	1	1	1	4	Moderate risk
3.	Jaiswal et al., 2020	1	1	1	1	1	1	1	1	1	9	Low Risk
4.	Aqeel KI et al., 2020	0	0	0	0	1	1	1	1	1	5	Moderate Risk
5.	Srivastava M et.al., 2020	1	0	0	1	1	1	1	1	1	7	Low Risk
6.	Murarkar S K et.al., 2020	0	0	0	0	1	1	1	1	0	4	High Risk
7.	Veena V et al., 2019	1	1	1	1	1	1	1	1	1	9	Low Risk
8.	Bhatt S et al., 2019	0	0	0	1	1	1	1	1	1	6	Moderate Risk
9.	Athulya G et al., 2019	0	0	0	1	1	1	1	1	0	5	Moderate Risk
10.	Ghanate NA et al., 2019	1	1	0	0	1	1	1	1	1	7	Low Risk
11.	Padmanabha1 T S et al., 2019	0	0	0	1	1	1	1	1	1	7	Low Risk
12.	Kishore A et al., 2019	0	0	0	1	1	1	1	1	1	7	Low Risk
13.	Kannan B et al., 2019	1	1	1	1	1	1	1	1	0	8	Low Risk
14.	Anand N et al., 2018	1	1	1	1	1	1	1	1	1	9	Low Risk

15.	Anand N et al., 2018	1	1	1	1	1	1	1	1	1	9	Low Risk
16.	Anand N et al., 2018	1	1	1	1	1	1	1	1	1	9	Low Risk
17.	Sharma B et al., 2018	1	1	1	1	1	1	1	1	1	9	Low Risk
18.	Singh G et.al., 2018	0	0	0	1	1	1	1	1	0	5	Moderate Risk
19.	Gupta et al., 2018	1	1	1	1	1	1	1	1	1	9	Low Risk
20.	Damor R B et al., 2018	0	0	0	1	1	1	1	0	0	4	Moderate Risk
21.	Suresh et al., 2018	0	0	0	1	1	1	1	1	1	6	Moderate Risk
22.	Kumar et al., 2018	0	0	0	1	1	1	1	1	0	6	Moderate Risk
23.	Kumar S et al., 2017	1	1	0	1	1	1	0	1	1	7	Low Risk
24.	Mutalik N R et al., 2017	1	1	1	1	1	1	1	1	1	9	Low Risk
25.	Priya N et al., 2017	1	0	0	0	1	1	1	1	1	5	Moderate Risk
26.	Subhaprada C S et al., 2017	0	0	1	0	1	1	1	1	0	5	Moderate Risk
27.	Patil SD et al., 2017	1	1	1	0	0	1	1	1	0	6	Moderate Risk
28.	Gedam S R et al., 2017	1	0	1	1	1	1	1	1	1	8	Low Risk
29.	Niranjjan R et al., 2017	0	1	0	1	1	1	1	1	0	6	Moderate Risk
30.	Nagori N et al., 2016	1	0	0	1	0	1	1	1	0	5	Moderate Risk
31.	Bhat A et al., 2016	1	0	0	1	1	1	1	0	0	5	Moderate Risk
32.	Gedam et al., 2016	1	1	0	1	1	1	1	1	1	8	Low Risk
33.	Kshatri et al., 2016	1	0	0	0	1	1	1	1	1	6	Moderate Risk

Supplemental material

BMJ Publishing Group Limited (BMJ) disclaims all liability and responsibility arising from any reliance placed on this supplemental material which has been supplied by the author(s)

General Psychiatry

34.	Nath K et al., 2016	0	0	0	1	1	1	1	1	0	5	Moderate Risk
35.	Chaudhari B et al., 2015	1	1	0	1	1	1	1	1	0	7	Low Risk
36.	Krishnamurthy S et al., 2015	1	1	1	1	1	1	1	1	1	9	Low Risk
37.	Bhatt et al., 2015	0	0	0	1	1	1	1	0	0	4	Moderate Risk
38.	Kawa MH et al., 2015	0	0	0	1	1	1	1	1	0	5	Moderate Risk
39.	Sulania, et al., 2015	0	0	0	1	1	1	1	1	1	6	Moderate Risk
40.	Srijampana et al., 2014	0	1	0	1	1	1	1	0	0	5	Moderate Risk
41.	Sharma A et al., 2014	1	1	1	1	1	1	1	1	1	9	Low Risk
42.	Malviya A et al., 2014	1	1	1	1	1	1	1	1	0	8	Low Risk
43.	Nathawat et al., 2020	1	1	0	1	1	1	1	1	0	7	Low Risk
44.	Awasthi et al., 2020	1	0	1	1	1	1	1	1	1	8	Low Risk
45.	Jain A et.al., 2020	1	1	1	1	1	1	1	1	1	9	Low Risk
46.	Mukherjee S et.al., 2020	0	0	0	1	1	1	1	1	0	5	Moderate Risk
47.	Gayathri A et.al., 2020	1	0	1	0	1	1	1	1	0	6	Moderate Risk
48.	Kandre et.al., 2020	1	0	0	1	1	1	1	1	1	7	Low Risk
49.	Patel M V et al., 2018	0	0	0	1	1	1	1	1	0	5	Moderate Risk
50.	Thakur A et al., 2018	1	1	1	1	1	1	1	1	1	9	Low Risk

Supplemental material

BMJ Publishing Group Limited (BMJ) disclaims all liability and responsibility arising from any reliance
placed on this supplemental material which has been supplied by the author(s)

General Psychiatry

Supplementary Material 4 Grade Assessment

Number of participants (Number of Studies)	Risk of bias	Inconsistency	Indirectness	Imprecision	Publication bias	Overall quality of evidence
23,717 (n=50)	Not serious[1]	Not serious[2]	Not serous[3]	Serious[4]	None[5]	Moderate ⊕⊕⊕

[1]Overall median and mean score of JBI Critical Appraisal Checklist for Studies Reporting Prevalence Data is 7 and 6.72 respectively (Score range 1-9), [2]I^2 value is less than 50%, [3]Approximately 60% of the studies were having adequate sample frame to address the target population, [4]There is a wide confidence interval (CI) around the pooled prevalance estimate based on cut off scores. [5]Based on Eggers's test and funnel plot interpretation

Supplemental material

BMJ Publishing Group Limited (BMJ) disclaims all liability and responsibility arising from any reliance placed on this supplemental material which has been supplied by the author(s)

General Psychiatry

Supplementary Material 5 Funnel plot regarding publication bias
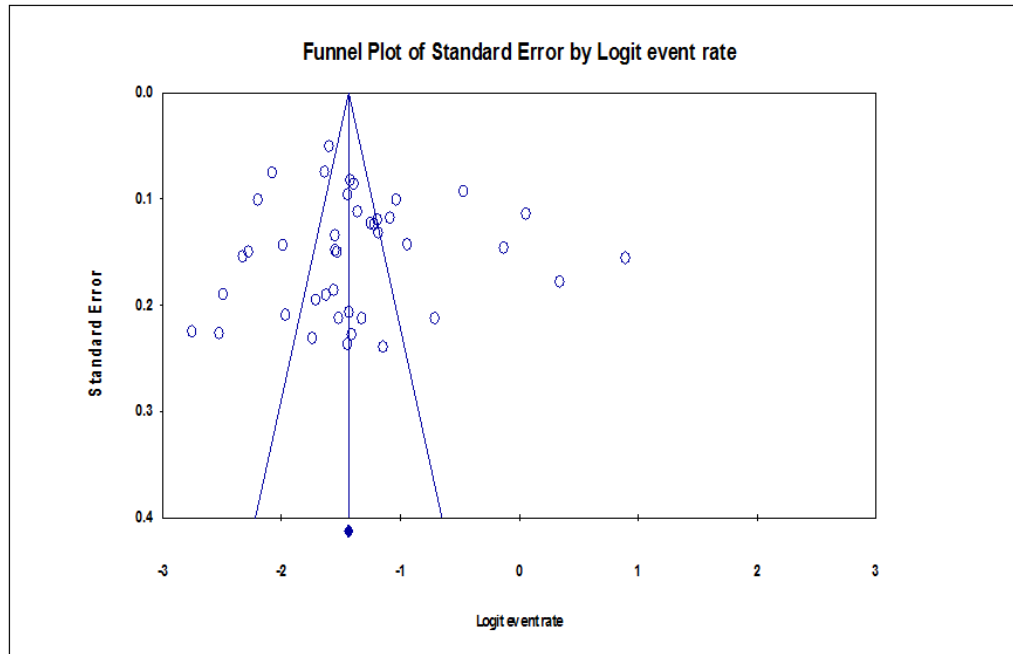
Funnel plot regarding potential publication bias

Supplementary Material 6 Meta-Regression Analysis

Internet addiction cut off score	Variable	Meta-Regression coefficient	SE	P	95% CI
Y-IAT>50	Methodological quality	-0.02	0.011	0.118	-0.04-0.004
	Publication year	0.004	0.011	0.716	-0.018-0.026
Y-IAT>40	Methodological quality	-0.098	0.061	0.109	-0.219-0.022
	Publication year	-0.095	0.105	0.362	-0.300-0.110