

Citation

Mohammad Meshbahur Rahman, Upama Chowdhury, Mohammad Nayeem Hasan, Tanvir Ahammed, Md. Jamal Uddin. Knowledge, attitudes, and practices towards COVID-19 in South-Asia: A systematic review and meta-analysis. PROSPERO 2021 CRD42021251797 Available from: https://www.crd.york.ac.uk/prospERO/display_record.php?ID=CRD42021251797

Review question

The research questions are

- i. What are the proportion/prevalence of Knowledge, Attitude and Prevention (KAP) towards COVID-19 in South Asia?
- ii. What are the ethnicity/country stratified proportion/prevalence of KAP?
- iii. What are the gender stratified proportion/prevalence of KAP?
- iv. What are the socio-demographic and economic risk factors of KAP?

Searches

We will search the related articles indexed in LitCovid (via PubMed), EMBASE, Scopus, Google Scholar and Banglajol databases. All published full articles in English will be included in the study. We would also look at the reference list of the articles which we get through the database search and include the articles relevant to our topic of review.

Types of study to be included

Cross-sectional study, Published only in English language, Article conducted only among south-Asian population. Duplicate publications, editorials, letters, commentaries, case reports, case-control study and newspaper articles will be excluded.

Condition or domain being studied

Knowledge, attitudes, and practices towards COVID-19 among South-Asian adults

Participants/population

The review will be conducted among the adult population in South-Asia.

Intervention(s), exposure(s)

Since the origin of the virus, several strategies were developed by public health organizations and governments globally to educate awareness, expand knowledge, and strengthen the preventive practices to control COVID-19 transmission. However, there is still a lack of sufficient knowledge about virus transmission, people's inadequate understanding about the infection risk, and poor prevention practices. This protocol aims to perform a systematic review summarizing the proportion and risk factors of knowledge, attitude, and practices towards COVID-19 in South Asia.

Comparator(s)/control

Not applicable

Context

Main outcome(s)

Proportion/prevalence of knowledge, awareness and practices among South-Asian population.

Measures of effect

Proportion/prevalence

Additional outcome(s)

Age, sex and location stratified proportions of knowledge, awareness and practices.

Measures of effect

proportions/prevalence

Data extraction (selection and coding)

Data would be extracted from all the relevant article after the final decision to include into the review using a standardized form which includes the following variables: authors, publication year, Study Date (month, day), location, study design, sample size (No.), Average Age, Knowledge (%), Attitude (%), Practices (%) and Risk factors (Odds Ratio (s)).

Risk of bias (quality) assessment

The Joanna Briggs Institute Critical Appraisal tools will be used for risk of bias assessment.

Strategy for data synthesis

In this systematic review and meta-analysis, we will estimate the pooled proportion of knowledge, awareness and practices towards COVID-19 in South-Asian using random effect model. Sub-group analysis will be performed according to participant's age, sex and geographical location. Heterogeneity will be checked through funnel plot and Egger's test will be performed to check the small study effects. All the statistical analysis will be performed through STATA software using pmetaprop, metafunnel commands.

Analysis of subgroups or subsets

A proper sub-group analysis will be performed according to participant's age, sex and geographic location.

Contact details for further information

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Organisational affiliation of the review

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Type and method of review

Living systematic review, Meta-analysis, Prospective meta-analysis (PMA), Systematic review

Anticipated or actual start date

25 April 2021

Anticipated completion date

15 June 2021

Funding sources/sponsors

None

Grant number(s)

State the funder, grant or award number and the date of award

Conflicts of interest

Language

English

Country

Bangladesh

Stage of review

Review Ongoing

Subject index terms status

Subject indexing assigned by CRD

Subject index terms

Asia; Asian Continental Ancestry Group; Attitude; COVID-19; Humans; Knowledge; SARS-CoV-2

Date of registration in PROSPERO

29 April 2021

Date of first submission

27 April 2021

Stage of review at time of this submission

| Stage | Started | Completed |
|---|---------|-----------|
| Preliminary searches | Yes | No |
| Piloting of the study selection process | Yes | No |
| Formal screening of search results against eligibility criteria | No | No |
| Data extraction | No | No |
| Risk of bias (quality) assessment | No | No |
| Data analysis | No | No |

The record owner confirms that the information they have supplied for this submission is accurate and complete and they understand that deliberate provision of inaccurate information or omission of data may be construed as scientific misconduct.

The record owner confirms that they will update the status of the review when it is completed and will add publication details in due course.

Versions

29 April 2021