

The effectiveness of interventions for the psychological impacts on the general population and healthcare workers exposed to mass outbreaks: a systematic review

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Review question

What interventions (i.e. psychological support) have been used in similar situations to Covid-19 and how effective have they been for the general population and healthcare workers?

Searches

Eligible systematic reviews will be identified through searches of electronic databases, including MEDLINE (Ovid), Embase (Ovid), PsycINFO (EBESO), and the Cochrane Database of Systematic Reviews using a predetermined search strategy. References of eligible reviews will be checked for eligible intervention studies.

Types of study to be included

All study types.

Condition or domain being studied

The review will examine the effectiveness of psychological interventions for the general population and healthcare workers exposed to mass outbreaks such as influenza pandemics.

Participants/population

General population and healthcare workers exposed to mass outbreaks including carers and families of those affected.

Intervention(s), exposure(s)

Psychological support interventions for the general population and healthcare workers exposed to mass outbreaks / epidemics and pandemics such as influenza pandemics.

Comparator(s)/control

Other types of (non-psychological) support interventions for the general population and healthcare workers exposed to mass outbreaks and pandemics such as influenza pandemics.

Main outcome(s)

Measure of the prevention / treatment of psychological problems in the general population and healthcare workers exposed to mass outbreak.

* Measures of effect

Any types of evidence on the effectiveness of psychological interventions in preventing or treating psychological problems in the general population and healthcare workers exposed to mass outbreak.

Additional outcome(s)

None

* Measures of effect

Not applicable.

Data extraction (selection and coding)

Studies will be selected for inclusion through a two-stage process using the predefined and explicit criteria. The search results will be screened independently by two reviewers to identify all citations that may meet the inclusion criteria. Full manuscripts of all selected citations will be retrieved and independently assessed by two reviewers against the inclusion criteria. Any disagreements on inclusion decisions will be resolved by a third reviewer.

Risk of bias (quality) assessment

Quality will be independently assessed by two reviewers with decisions checked by a third reviewer. Mixed Methods Appraisal Tool (MMAT) will be used to assess the quality of included studies.

Strategy for data synthesis

Evidence on the effectiveness of psychological interventions for the general population and healthcare workers will be synthesised narratively with tabulation of the results of included studies. Results will be presented narratively taking the quality of the reviews into account. The synthesis will pay attention to the evidence around the effectiveness of the interventions providing an opportunity to provide guidance to healthcare professionals. Public advisors and healthcare staff / service commissioners will be invited to review and comment on the drafts of the report to inform presentation, interpretation and practical application of the results.

Analysis of subgroups or subsets

Equalities domains (e.g. age, gender, ethnicity, disability, education, socio-economic status, countries of origin) will be considered and differential aspects explored if the evidence allows.

Contact details for further information

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Type and method of review

Narrative synthesis, Systematic review

Anticipated or actual start date

21 April 2020

Anticipated completion date

31 July 2020

Funding sources/sponsors

National Institute of Health Research, Applied Research Collaboration, North West Coast

Grant number(s)

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

Conflicts of interest

Language

English

Country

England

Stage of review

Review Completed not published

Subject index terms status

Subject indexing assigned by CRD

Subject index terms

Disease Outbreaks; Humans

Date of registration in PROSPERO

24 April 2020

Date of first submission

24 April 2020

Stage of review at time of this submission

Stage	Started	Completed
Preliminary searches	Yes	Yes
Piloting of the study selection process	Yes	Yes
Formal screening of search results against eligibility criteria	Yes	Yes
Data extraction	Yes	Yes
Risk of bias (quality) assessment	Yes	Yes
Data analysis	Yes	Yes

Revision note

The review has been completed but not yet published. Anticipated publication date July 2020. Publication details will be added in due course.

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

24 April 2020

04 May 2020

25 June 2020

PROSPERO

This information has been provided by the named contact for this review. CRD has accepted this information in good faith and registered the review in PROSPERO. The registrant confirms that the information supplied for this submission is accurate and complete. CRD bears no responsibility or liability for the content of this registration record, any associated files or external websites.