

Evidence-based interventions for health professionals in critical en emergency care contributing to sustainable healthcare and green attitude: a systematic review protocol

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Citation

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Review question

What are evidence-based interventions for health professionals in critical en emergency care contributing to sustainable healthcare and green attitude?

Searches

PubMed, CINAHL, Embase, MEDLINE, Web of Science, Google Scholar, Cochrane, PsycINFO

Types of study to be included

All original studies which descibe evidence-based interventions for health professionals in critical en emergency care contributing to sustainable healthcare. Articles <2013, non original work (editorial, opinion papers), other populations and outcomes will be excluded.

Condition or domain being studied

Evidence-based interventions for health professionals in critical en emergency care contributing to sustainable healthcare and green attitude

Participants/population

Health professionals in critical en emergency care: EMSs, emergency departments, Intensive/Critical Care departments (including adult ICU, PICU, NICU, CCU, PACU)

Intervention(s), exposure(s)

All evidence-based interventions for health professionals in critical en emergency care contributing to sustainable healthcare and green attitude

Comparator(s)/control

None

Context

Health professionals in critical en emergency care

Main outcome(s)

Any intervention for health professionals in critical en emergency care contributing to sustainable healthcare and green attitude

Measures of effect

When available, effect measure(s) for you main outcome(s) (e.g. relative risks, odds ratios, risk difference, and/or 'number needed to treat') will be reported.

Additional outcome(s)

None

Measures of effect

When available, additional effect measure(s) for you additional outcome(s) (e.g. relative risks, odds ratios, risk difference, and/or 'number needed to treat') will be reported.

Data extraction (selection and coding)

Study selection will be executed by two independent reviewers. They will apply the eligibility criteria and select studies for inclusion in the systematic review and will independently screen records for inclusion. Researchers will be blinded to each other's' decisions. Disagreements between individual judgements will be resolved by a third researcher. Rayyan.ai, a web based open access software system for recording decisions will be used. Data extraction will be done via study documents, including information about study design and methodology, participant demographics and baseline characteristics, numbers of events or measures of effect (where applicable). Alternatively, this information will obtained from study investigators. Two researchers will extract and/or check received data independently from each other. Disagreements between individual judgements will be resolved by a third researcher. In case of missing data, study investigators will be contacted for unreported data or additional details. Data recording en management will be performed in Rayyan.ai, and MS excel spreadsheets.

Risk of bias (quality) assessment

Risk of bias or quality assessment will be performed at study level using a formal a risk of bias assessment is planned (e.g. the Cochrane risk of bias tool, ROBINS, QUADAS, as appropriate based on study design). Results of the assessment will inform data synthesis in a descriptive manner. Two reviewers will be involved in the quality assessment. Disagreements between reviewers judgements will be resolved by a third researcher.

Strategy for data synthesis

All available data will be synthesised (no minimum number of studies or level of consistency required for synthesis), including outcomes and summary effect measures as available. When possible, individual study data will be combined.

Analysis of subgroups or subsets

When possible, analysis of subgroups or subsets will be performed, but no a priori subgroups are defined. Data will be clustered accoring to the sustainability toolkit evolved from the ANZICS 2020 NZ ASM and Australian Quality and Safety committee (ANZICS: A beginners guide to sustainability in the ICU; ABN: 19 657 679 556 ISBN: 978-1-876980-56-6)

Contact details for further information

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Organisational affiliation of the review

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Type and method of review

Intervention, Systematic review

Anticipated or actual start date

01 July 2023

Anticipated completion date

31 December 2023

Funding sources/sponsors

Not applicable

Grant number(s)

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

Not applicable

Conflicts of interest

Language

English

Country

Netherlands

Stage of review

Review Ongoing

Subject index terms status

Subject indexing assigned by CRD

Subject index terms

Emergency Medical Services; Emergency Treatment; Health Facilities; Health Personnel; Humans

Date of registration in PROSPERO

08 July 2023

Date of first submission

27 June 2023

Stage of review at time of this submission [1 change]

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

Revision note

Updates since July 1 2023.

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

08 July 2023

08 July 2023

14 July 2023