

Systematic review

Please select one of the options below to edit your record. Either option will create a new version of the record - the existing version will remain unchanged.

A list of fields that can be edited in an update can be found [here](#)

1. * Review title.

Give the title of the review in English
Systematic review of physical activity, suicidal ideation, suicide attempt and death

2. Original language title.

For reviews in languages other than English, give the title in the original language. This will be displayed with the English language title.

3. * Anticipated or actual start date.

Give the date the systematic review started or is expected to start.
26/02/2024

4. * Anticipated completion date.

Give the date by which the review is expected to be completed.
31/01/2025

5. * Stage of review at time of this submission.

This field uses answers to initial screening questions. It cannot be edited until after registration.
Tick the boxes to show which review tasks have been started and which have been completed.
Update this field each time any amendments are made to a published record.

The review has not yet started: No

Review 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

Provide any other relevant information about the stage of the review here.

No additional funding. The review will be completed as a part of the requirement for the completion of the doctorate in clinical psychology at the University of Glasgow. There is plan for the review to be published following the completion of the doctorate.

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6. * Named contact.

The named contact is the guarantor for the accuracy of the information in the register record. This may be any member of the review team.

Maja Wieladek

Email salutation (e.g. "Dr Smith" or "Joanne") for correspondence:

Ms Wieladek

7. * Named contact email.

Give the electronic email address of the named contact.

2837977W@student.gla.ac.uk

8. Named contact address

PLEASE NOTE this information will be published in the PROSPERO record so please do not enter private information, i.e. personal home address

Give the full institutional/organisational postal address for the named contact.

University of Glasgow; School of Health and Wellbeing; Clarice Pears Building; 90 Byres Road; Glasgow; G12 8TB

9. Named contact phone number.

Give the telephone number for the named contact, including international dialling code.

10. * Organisational affiliation of the review.

Full title of the organisational affiliations for this review and website address if available. This field may be completed as 'None' if the review is not affiliated to any organisation.

University of Glasgow

Organisation web address:

11. * Review team members and their organisational affiliations.

Give the personal details and the organisational affiliations of each member of the review team. Affiliation refers to groups or organisations to which review team members belong.

NOTE: email and country now MUST be entered for each person, unless you are amending a published record.

PLEASE USE AN INSTITUTIONAL EMAIL ADDRESS IF POSSIBLE.

Ms Maja Wieladek. University of Glasgow

Dr Heather McClelland. School of Health & Wellbeing, University of Glasgow

12. * Funding sources/sponsors.

Details of the individuals, organizations, groups, companies or other legal entities who have funded or sponsored the review.

None. Main reviewer completes a doctorate in clinical psychology

Grant number(s)

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

13. * Conflicts of interest.

List actual or perceived conflicts of interest (financial or academic).

None

14. Collaborators.

Give the name and affiliation of any individuals or organisations who are working on the review but who are not listed as review team members. **NOTE: email and country must be completed for each person, unless you are amending a published record.**

15. * Review question.

State the review question(s) clearly and precisely. It may be appropriate to break very broad questions down into a series of related more specific questions. Questions may be framed or refined using PI(E)COS or similar where relevant.

To explore and synthesise available evidence to gain insight into the association between physical activity and suicidal ideation, suicidal behaviour and death by suicide.

16. * Searches. [1 change]

State the sources that will be searched (e.g. Medline). Give the search dates, and any restrictions (e.g. language or publication date). Do NOT enter the full search strategy (it may be provided as a link or attachment below.)

Databases searched: CINAHL, PsycARTICLES, MEDLINE, PsycINFO, Web of Science, Embase.

Studies limited to English and Polish language only. Research limited to prospective, quantitative, and human studies only. No limitations regarding publication date.

17. URL to search strategy.

Upload a file with your search strategy, or an example of a search strategy for a specific database, (including the keywords) in pdf or word format. In doing so you are consenting to the file being made publicly accessible.

Or provide a URL or link to the strategy. Do NOT provide links to your search **results**.

Do not make this file publicly available until the review is complete

18. * Condition or domain being studied.

Give a short description of the disease, condition or healthcare domain being studied in your systematic review.

Lifetime suicidal ideation and behaviour.

19. * Participants/population.

Specify the participants or populations being studied in the review. The preferred format includes details of both inclusion and exclusion criteria.

Inclusion: individuals of any age.

20. * Intervention(s), exposure(s).

Give full and clear descriptions or definitions of the interventions or the exposures to be reviewed. The preferred format includes details of both inclusion and exclusion criteria.

Physical activity (defined as any intervention that use bodily movement produced by skeletal muscles and which requires energy expenditure, Caspersen et al., 1985).

21. * Comparator(s)/control.

Where relevant, give details of the alternatives against which the intervention/exposure will be compared (e.g. another intervention or a non-exposed control group). The preferred format includes details of both inclusion and exclusion criteria.

Those with no history of suicidal ideation or behaviour.

22. * Types of study to be included.

Give details of the study designs (e.g. RCT) that are eligible for inclusion in the review. The preferred format includes both inclusion and exclusion criteria. If there are no restrictions on the types of study, this should be stated.

Prospective cohort studies.

Quantitative.

Original peer-reviewed research.

23. Context.

Give summary details of the setting or other relevant characteristics, which help define the inclusion or exclusion criteria.

No restrictions.

24. * Main outcome(s).

Give the pre-specified main (most important) outcomes of the review, including details of how the outcome is defined and measured and when these measurement are made, if these are part of the review inclusion criteria.

Suicidal ideation, suicidal behaviour and death by suicide. To narratively identify whether there is an association between physical activity and later suicidality.

Measures of effect

25. * Additional outcome(s).

List the pre-specified additional outcomes of the review, with a similar level of detail to that required for main outcomes. Where there are no additional outcomes please state 'None' or 'Not applicable' as appropriate to the review

The association between Physical Activity and suicidal ideation and behaviour as a function of sociodemographic, geography, health.

Measures of effect

26. * Data extraction (selection and coding).

Describe how studies will be selected for inclusion. State what data will be extracted or obtained. State how this will be done and recorded.

Suicidal ideation/suicidal behaviour/death by suicide have to be the outcome.

Physical activity has to be the predictor/moderator/mediator.

Prospective cohort studies.

Quantitative.

Original peer-reviewed research.

In English/Polish.

Titles and abstracts will be screened for meeting eligibility in full by main reviewer and 20% will be screened blindly by second reviewer.

The main reviewer will screen full texts for eligibility in full, and the second reviewer will screen 20% blindly.

Queries will be discussed with the supervisor, and a consensus will be reached to resolve the issues.

An author-developed data extraction table will be created to record data. Data to be extracted and documented will include: authors, year, location, study aim, study design, methodology, sample characteristics, exposure measure, outcome domain and measure, and key findings including the effect size and relevant statistics. Main reviewer will extract the data and they will check a proportion of the extracted data for accuracy.

Missing data will be handled by contacting investigators for unreported data or additional details as needed.

27. * Risk of bias (quality) assessment.

State which characteristics of the studies will be assessed and/or any formal risk of bias/quality assessment tools that will be used.

The main reviewer will use the CASP Cohort Study Checklist for the critical appraisal of the studies. The main reviewer will appraise all studies. Any difficulties will be discussed and resolved with supervisor.

28. * Strategy for data synthesis.

Describe the methods you plan to use to synthesise data. This **must not be generic text** but should be **specific to your review** and describe how the proposed approach will be applied to your data.

If meta-analysis is planned, describe the models to be used, methods to explore statistical heterogeneity, and software package to be used.

Studies included in this review will be collated and summarised using a systematic, narrative approach. This will include overall association, well as exploration as a function of demographics (age, gender etc.) and outcome variable (e.g., suicidal ideation versus suicide attempt). There will be no restriction on the minimum number of studies required for narrative synthesis, as we believe an accurate account of the existing literature (or lack thereof) will help inform readers of any literature which may be beneficial to advance the research landscape efficiently. Regardless of number of studies included in the analysis or sub-analysis of the narrative summaries, inconsistencies between the study findings will be explored to account for the observed variations (e.g., sample size, duration of follow-up).

29. * Analysis of subgroups or subsets.

State any planned investigation of 'subgroups'. Be clear and specific about which type of study or participant will be included in each group or covariate investigated. State the planned analytic approach.

If numbers allow, we will run the analysis separately for the three outcomes: suicidal ideation, suicidal behaviour and death by suicide.

30. * Type and method of review.

Select the type of review, review method and health area from the lists below.

Type of review

Cost effectiveness	No
Diagnostic	No
Epidemiologic	No
Individual patient data (IPD) meta-analysis	No
Intervention	No
Living systematic review	No
Meta-analysis	No
Methodology	No
Narrative synthesis	No
Network meta-analysis	No
Pre-clinical	No
Prevention	No
Prognostic	No

Prospective meta-analysis (PMA)	No
Review of reviews	No
Service delivery	No
Synthesis of qualitative studies	No
Systematic review	Yes
Other	No

Health area of the review

Alcohol/substance misuse/abuse	No
Blood and immune system	No
Cancer	No
Cardiovascular	No
Care of the elderly	No
Child health	No
Complementary therapies	No
COVID-19	No
Crime and justice	No
Dental	No
Digestive system	No
Ear, nose and throat	No
Education	No
Endocrine and metabolic disorders	No
Eye disorders	No
General interest	No
Genetics	No
Health inequalities/health equity	No
Infections and infestations	No
International development	No
Mental health and behavioural conditions	Yes
Musculoskeletal	No

Neurological	No
Nursing	No
Obstetrics and gynaecology	No
Oral health	No
Palliative care	No
Perioperative care	No
Physiotherapy	No
Pregnancy and childbirth	No
Public health (including social determinants of health)	No
Rehabilitation	No
Respiratory disorders	No
Service delivery	No
Skin disorders	No
Social care	No
Surgery	No
Tropical Medicine	No
Urological	No
Wounds, injuries and accidents	No
Violence and abuse	No

31. Language.

Select each language individually to add it to the list below, use the bin icon to remove any added in error.

English

There is not an English language summary

32. * Country.

Select the country in which the review is being carried out. For multi-national collaborations select all the countries involved.

Scotland

33. Other registration details.

Name any other organisation where the systematic review title or protocol is registered (e.g. Campbell, or The Joanna Briggs Institute) together with any unique identification number assigned by them.

If extracted data will be stored and made available through a repository such as the Systematic Review Data Repository (SRDR), details and a link should be included here. If none, leave blank.

34. Reference and/or URL for published protocol.

If the protocol for this review is published provide details (authors, title and journal details, preferably in Vancouver format)

No I do not make this file publicly available until the review is complete

35. Dissemination plans.

Do you intend to publish the review on completion?

Yes

I intend to publish the review upon completion.

36. Keywords.

Give words or phrases that best describe the review. Separate keywords with a semicolon or new line. Keywords help PROSPERO users find your review (keywords do not appear in the public record but are included in searches). Be as specific and precise as possible. Avoid acronyms and abbreviations unless these are in wide use.

Suicidal ideation. Suicidal behaviour. Death by suicide. Physical activity.

37. Details of any existing review of the same topic by the same authors.

If you are registering an update of an existing review give details of the earlier versions and include a full bibliographic reference, if available.

38. * Current review status.

Update review status when the review is completed and when it is published.

New registrations must be ongoing so this field is not editable for initial submission.

Review_Ongoing

39. Any additional information.

Provide any other information relevant to the registration of this review.

40. Details of final report/publication(s) or preprints if available.

Leave empty until publication details are available OR you have a link to a preprint (NOTE: this field is not editable for initial submission).

List authors, title and journal details preferably in Vancouver format.