Temporal distribution of suicide mortality: a systematic review

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Citation

Review question(s)
What is the distribution of suicide mortality in time?

Searches
We will search the following electronic bibliographic databases: PubMed Central (Medline), LILACS, Web of Science, Science Direct and Scopus (Elsevier), PsyNET (APA) and Health Virtual Library (BVS).

The search strategy will include terms extracted from Medical Subject Headings (MESHs, PUBMED) and Health Science Terminology (DeCS, BVS).

The search terms will be adapted for use with other bibliographic databases.

There will be no language restrictions or year of publication.

The searches will be re-run just before the final analyses and further studies retrieved for inclusion.

Types of study to be included
We will include observational, epidemiologic and ecological studies to investigate the temporal distribution of suicide and time series of suicide.

Condition or domain being studied
Suicide; Epidemiology; Mortality

Participants/ population
Inclusion: entire enrolled population to the territory (county, state, region or country).

Exclusion: a subset of a population (only men, women only, only the elderly, for example).

Intervention(s), exposure(s)
Temporal pattern of suicide mortality

Comparator(s)/ control
Not applicable

Context
Population studies

Outcome(s)
Primary outcomes
Temporal and seasonal pattern of suicide.

Secondary outcomes
Social, economic, cultural and environmental characteristics that influence the temporal and seasonal patterns of
suicide.

**Data extraction, (selection and coding)**
All the data collected in his search will be part of Collection 1, which will be sent to two researchers responsible for the selection of articles in order to read the titles and the abstracts, accordingly with an electronic developmental form accomplished in the Excel program, version 2013. The use of the electronic form was chosen to optimize the tabulation of the references and to help the analysis of the reasons, because of dichotomous responses (yes, no) for the suitability of the study to the research.

Articles with conflicting decisions will be scrutinized by a third researcher who will decide about the retention or removal of the articles. The selected articles in this phase will be part of Collection 2, and will be acquired at once integrally. Once again two researchers will accomplish the whole analysis of the texts by using the inclusion and exclusion criteria. The analysis will also be registered in a form for the identification of the exclusion reasons. Conflicting cases will be solved by a third researcher. The remaining articles will be part of Collection 3 and will be critically scrutinized as for their content.

**Risk of bias (quality) assessment**
Risk of bias will be assessed using the “Quality Criteria Checklist”, a standardized quality assessment checklist which evaluates aspects relating to study design, statistical methodology and reporting quality, and can be used in reports where there are no interventions.

**Strategy for data synthesis**
We will provide a narrative synthesis of the findings from the included studies, structured around the type of intervention, target population characteristics, type of outcome and intervention content. We will provide summaries of intervention effects for each study by calculating risk ratios (for dichotomous outcomes) or standardised mean differences (for continuous outcomes).

**Analysis of subgroups or subsets**
If the necessary data are available, subgroup analyses will be done.

**Dissemination plans**
After the accomplishment of this review, a paper will be submitted to a leading journal in this field.

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**Anticipated or actual start date**
30 April 2016

Anticipated completion date
30 April 2017

Funding sources/sponsors
No individual, organization, group or legal entity who take responsibility for initiating, managing, sponsoring and/or financing the review.

Conflicts of interest
None known

Language
English, Portuguese-Brazil

Country
Brazil

Subject index terms status
Subject indexing assigned by CRD

Subject index terms
Humans; Risk Factors; Suicide

Any other information
This review is being undertaken as part of the planning of doctoral thesis.

Reference and/or URL for protocol
http://www.crd.york.ac.uk/PROSPEROFILES/38470_PROTOCOL_20160610.pdf

Stage of review
Completed but not published

Date of registration in PROSPERO
30 April 2016

Date of publication of this revision
25 July 2017

Stage of review at time of this submission

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<td>Piloting of the study selection process</td>
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<td>Formal screening of search results against eligibility criteria</td>
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<td>Data extraction</td>
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