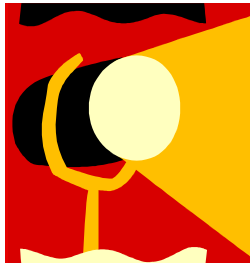


AIHA Internet Resources Digest

Supporting Access to High Quality Online Resources

August 2016



Spotlight on: SYSTEMATIC REVIEWS

“**S**ystematic review is a comprehensive survey of a topic in which all of the primary studies of the highest level of evidence have been systematically identified, appraised and then summarized according to an explicit and reproducible methodology. It aims to provide an exhaustive summary of literature relevant to a research question. Systematic reviews often, but not always, use statistical techniques (meta-analysis) to combine results of the eligible studies, or at least use scoring of the levels of evidence depending on the methodology used. The systematic review is widely considered to be a good way of making the sometimes conflicting and complicated results of many different types of study accessible and more useable.

Data Bases

PROSPERO

PROSPERO
International prospective register of systematic reviews

PROSPERO is an international database of prospectively registered systematic reviews in health and social care, welfare, public health, education, crime, justice, and international development, where there is a health related outcome. Key features from the review protocol are recorded and maintained as a permanent record. PROSPERO aims to provide a comprehensive listing of systematic reviews registered at inception to help avoid duplication and reduce opportunity for reporting bias by enabling comparison

completed review with what was planned in the protocol.

PROSPERO is produced by Center for Research Dissemination and funded by the National Institute for Health Research (NIHR, UK). Registration in PROSPERO involves the submission and publication of key information about the design and conduct of a systematic review. Applications are assessed to ensure that they fall within scope and that the required data have been provided. No quality assessment or peer review is involved. Records are published on an open access electronic database.

<http://www.crd.york.ac.uk/PROSPERO/>

Cochrane Library



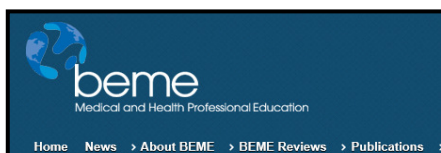
The Cochrane Library is now the premier resource for information on the effectiveness of healthcare interventions. It is a collection of information put together by the Cochrane Collaboration, the NHS Centre for Reviews and Dissemination and others. It includes several DBs, among them:

Cochrane Database of Systematic Reviews (CDSR): full text of completed reviews carried out by the Cochrane Collaboration, plus protocols for reviews currently in preparation.

The *CDSR* is updated regularly as Cochrane Reviews are published 'when ready' and form monthly issues. To explore Cochrane Reviews you can use the advanced search or you can browse by topic or by Cochrane Review Group (CRG). It includes now about 6700 reviews.

<http://onlinelibrary.wiley.com/cochranelibrary/search/browse>

BEME Collaboration — Best Evidence Medical and Health Professional Education



A BEME review is the systematic, logical and explicit appraisal of available information to determine the best evidence relating to an issue in health professional and medical education. It is designed to assist individual teachers, institutions and national bodies to make informed decisions about educational

practice and policy. A BEME review is a description and evaluation of evidence pertinent to a clearly formulated topic/question that uses explicit scientific methodologies and methods to systematically identify, assemble, critically analyze and synthesize information relevant to the review topic. A BEME review may be:

Effectiveness Review— adding to our knowledge about how to enhance (multiple) outcomes of an educational intervention and/or the effective processes of teaching and learning.

Definitional Review— seeking to draw on a wide literature to suggest a consensus definition for a concept in health professional education that is presently well discussed but where there is not a commonly accepted understanding of the concept. This type of review is often necessary before an effectiveness review can be undertaken.

Scoping Review— which is aimed at finding out just what literature is out there, how much is written about the topic and where is it, who is writing about the topic and why? This is often a preliminary part of an effectiveness review and leads to refined search strategies.

There are 38 published reviews (called BEME Guides), and 26 reviews in progress.

<http://www.bemecollaboration.org/Home/>

EPPI-Center



The EPPI-Centre was established in 1993 to address the need for a systematic approach to the organization and review of evidence-based work on social interventions. The EPPI-Centre is dedicated to making reliable research findings about health, education and welfare accessible to the people who

need them, whether they are making policy, practice, or personal decisions. The **Evidence Library** contains summaries and full reports of all of the EPPI-Centre's systematic reviews.

List of all reviews is available at

<http://eppi.ioe.ac.uk/cms/Default.aspx?tabid=62>

EPPI-Centre also maintains a the **Database of Promoting Health Effectiveness Reviews (DoPHER)** - a specialized register of health promotion systematic and other types of reviews. About 3800 reviews.

<http://eppi.ioe.ac.uk/webdatabases4/Intro.aspx?ID=9>

Campbell Collaboration



The international Campbell Collaboration (C2) is a non-profit organization that aims to help people make well-informed decisions about the effects of interventions in the social, behavioral and educational arenas.

Campbell Systematic Reviews is the peer-reviewed online monograph series of systematic reviews prepared under the editorial control of the Campbell Collaboration. Campbell systematic reviews follow structured guidelines and standards for summarizing the international research evidence on the effects of interventions in crime and justice, education, international development, and social welfare.

<http://www.campbellcollaboration.org/>

Methods and Guides

Systematic Reviews journal



Systematic Reviews open access journal encompasses all aspects

of the design, conduct and reporting of systematic reviews. The journal publishes high quality systematic review products including systematic review protocols, systematic reviews related to a very broad definition of health, rapid reviews, updates of already completed systematic reviews, and methods research related to the science of systematic reviews, such as decision modeling.

The journal also aims to ensure that the results of all well-conducted systematic reviews are published, regardless of their outcome.

<https://systematicreviewsjournal.biomedcentral.com/>

Advances in Rapid Reviews. Edited by: Dr. Holger Schünemann. A thematic series published in *Systematic Reviews*.

„Systematic reviews are known for their rigorous methods to ensure that all of the best available evidence is included, a process which can take years to complete. However, it is becoming increasingly recognized that the timely production of systematic reviews is necessary in some settings, such as to inform healthcare decisions or policies. This collection covers recent advancements in methods, including full rapid review research articles and methodologies, as well as particular developments to facilitate the timely production of systematic reviews”

<http://www.biomedcentral.com/collections/arr>

Cochrane Handbook for Systematic Reviews of Interventions



The *Cochrane Handbook for*

Systematic Reviews of Interventions is the official guide that describes in detail the process of preparing and maintaining Cochrane systematic reviews on the effects of healthcare interventions.

The Handbook includes guidance on the standard methods applicable to every review (planning a review, searching and selecting studies, data collection, risk of bias assessment, statistical analysis, GRADE and interpreting results), as well as more specialized topics (non-randomized studies, adverse effects, economics, patient-reported outcomes, individual patient data, prospective meta-analysis, qualitative research, reviews in public health and overviews of reviews).

<http://training.cochrane.org/handbook>

„Producing Cochrane reviews“ (9 min video)

Published on Apr 4, 2013. The seventh installment of the Cochrane20 Video Series focuses on the core of The Cochrane Collaboration's work: the production of Cochrane Reviews, the people and processes who support it, and advances in the scope and evidence base in recent years.

https://www.youtube.com/watch?v=IGMiVGfWRH0&list=PLCo8P5_ppmQj kzvR1fzJebaBdWycQFrXI&index=7

„Systematic Reviews Part 1: Introduction“ (11 min video lecture)

<https://www.youtube.com/watch?v=X5IJCbh5K0o>

Search Tools

TRIP Database



The TRIP Database searches over 75 sites of high-quality medical information. It is a clinical search tool designed to allow health professionals to rapidly identify the highest quality clinical evidence for clinical practice.

Types of sources searched by TRIP: Evidence Based Synopses, Clinical Questions, Guidelines, E-Textbooks, Medical Images, Patient Information Leaflets, Systematic Reviews, Clinical Calculators, Core general medical journals.

<http://www.tripdatabase.com/>

Epistemonikos



Epistemonikos is a collaborative, multilingual database of research evidence and knowledge translation products that are usually referred as "evidence", according to the meaning given in Evidence-Based Health Care. It searches 19 data bases with evidence-based publications, and it includes systematic reviews, overviews of reviews (including evidence-based policy briefs), primary studies included in systematic reviews and structured summaries of that evidence. Epistemonikos was developed and is maintained by systematically searching PubMed and other databases for relevant systematic reviews and overviews of reviews.

<http://www.epistemonikos.org/>

AIHA Related Resources

Internet Resources Digest, April 2016. Clinical Practice Guidelines

<http://www.aiha.com/wp-content/uploads/2015/06/Digest-April-2016.pdf>

Internet Resources Digest, August 2015. Critically Appraised Topics

<http://www.aiha.com/wp-content/uploads/2015/11/Internet-Resources-Digest-Aug2015.pdf>

Internet Resources Digest, February 2015. EBM Multimedia Resources

<http://www.aiha.com/wp-content/uploads/2015/11/Internet-Resources-Digest-Feb2015.pdf>

AIHA Internet Resources Digest Forthcoming Topics [Provisional]

- Hospital Information Systems
- Behavior Change Communication

About the AIHA Internet Resources Digest

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The *Internet Resources Digest* is compiled by Irina Ibraghimova, PhD, Library and Information Management Specialist HealthConnect International (www.healthconnect-intl.org). The contents are the responsibility of AIHA and do not necessarily reflect the views of PEPFAR, HRSA, or the United States Government.

If you have a suggestion for a Digest topic, or would like to contribute information about Internet resources, please contact [ibra\[at\]zadar.net](mailto:ibra[at]zadar.net).

Back issues of the *Internet Resources Digest* for 2011-2016 are archived at www.healthconnectintl.org/resources.html.

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