

## Reading list

### Introduction to systematic review (SR) and the use of SR in social science research

Core literature marked with \*

#### What is a SR?

- \*Foreword and Chapter 1 in Gough, David. *An Introduction to Systematic Reviews* (p. ii). SAGE Publications. 2nd Edition, 2017
- Introduction chapter in Richard J. Light & David Pillemer. *Summing up the science of reviewing research*. Harvard University Press. Cambridge, Massachusetts, and London, England, 1984.
- McKenzie JE, Beller EM, Forbes AB. Introduction to systematic reviews and meta-analysis. *Respirology*. 2016;21(4):626-37.
- \*Tricco AC, Tetzlaff J, Moher D. The art and science of knowledge synthesis. *Journal of Clinical Epidemiology*. 2011;64(1):11-20.
- Chalmers I, Altman, D.G. (eds), *Systematic Reviews*: BMJ Publishing Group; 1995.
- \*Gough D, Thomas J, Oliver S. Clarifying differences between review designs and methods. *Systematic reviews*. 2012;1:28.
- Chapter one in *Systematic Reviews in Health Care: Meta-Analysis in Context*: "Rationale, potentials, and promise of systematic reviews" Matthias Egger, George Davey Smith, Keith O'Rourke, BMJ Publishing Group 2001
- \*Chapter 1 "Core principles and methods for conducting a systematic review of health interventions" in: *Systematic Reviews. CRD's guidance for undertaking reviews in health care*. Centre for Reviews and Dissemination, University of York, 2008, Published by CRD, University of York, January 2009, ISBN 978-1-900640-47-3

#### Why is SR important?

- \*Mulrow CD. Rationale for systematic reviews. *BMJ*. 1994;309(6954):597-9.
- Mulrow CD. The medical review article: state of the science. *Ann Intern Med*. 1987;106(3):485-8.
- \*Mahtani KR. All health researchers should begin their training by preparing at least one systematic review. *J R Soc Med*. 2016.
- Langer L, Stewart R. What have we learned from the application of systematic review methodology in international development? – a thematic overview. *Journal of Development Effectiveness*. 2014;6(3):236-48.
- Weiss CH. The Many Meanings of Research Utilization. *Public Administration Review*. 1979;39(5):426-31.
- Chalmers I, Trohler U. Helping physicians to keep abreast of the medical literature: Medical and Philosophical Commentaries, 1773-1795. *Ann Intern Med*. 2000;133(3):238-43.

Graham ID, Logan J, Harrison MB, Straus SE, Tetroe J, Caswell W, et al. Lost in knowledge translation: time for a map? The Journal of continuing education in the health professions. 2006;26(1):13-24.

Cook DJ, Mulrow CD, Haynes RB. Systematic reviews: synthesis of best evidence for clinical decisions. Ann Intern Med. 1997;126(5):376-80.

Mulrow CD, Cook DJ, Davidoff F. Systematic reviews: critical links in the great chain of evidence. Ann Intern Med. 1997;126(5):389-91.

Bero LA, Grilli R, Grimshaw JM, Harvey E, Oxman AD, Thomson MA. Closing the gap between research and practice: an overview of systematic reviews of interventions to promote the implementation of research findings. The Cochrane Effective Practice and Organization of Care Review Group. BMJ. 1998;317(7156):465-8.

#### **How to find a relevant SR:**

Papaioannou D, Sutton A, Carroll C, Booth A, Wong R. Literature searching for social science systematic reviews: consideration of a range of search techniques. Health Information & Libraries Journal. 2010;27(2):114-22.

\*Montori VM, Wilczynski NL, Morgan D, Haynes RB, Hedges T. Optimal search strategies for retrieving systematic reviews from Medline: analytical survey. BMJ. 2005;330(7482):68.

Grindlay D. Search strategies for finding systematic reviews. Br J Dermatol. 2017;176(6):1672.

Woodman J, Harden A, Thomas J, Brunton J, Kavanagh J, Stansfield C. Searching for systematic reviews of the effects of social and environmental interventions: a case study of children and obesity. Journal of the Medical Library Association : JMLA. 2010;98(2):140-6.

#### **How to critically appraise SRs:**

\*Buhn S, Mathes T, Prengel P, Wegewitz U, Ostermann T, Robens S, et al. The risk of bias in systematic reviews (ROBIS) tool showed fair reliability and good construct validity. J Clin Epidemiol. 2017.

Shea BJ, Reeves BC, Wells G, Thuku M, Hamel C, Moran J, et al. AMSTAR 2: a critical appraisal tool for systematic reviews that include randomised or non-randomised studies of healthcare interventions, or both. *BMJ*. 2017;358:j4008.

Mittal N, Goyal M, Mittal PK. Understanding and Appraising Systematic Reviews and Meta-Analysis. *J Clin Pediatr Dent*. 2017;41(5):317-26.

## **How to prepare a SR**

- \*Paul Glasziou, Les Irwig, Chris Bain, Graham Colditz. Introduction chapter in *Systematic Reviews in Health Care. A Practical Guide*. Cambridge University Press 2004 ISBN 0-511-03208-0 eBook
- \*Christensen R. Systematic reviews and meta-analyses for dummies: a tutorial on how, when, and why to get started. *Ann Rheum Dis*. 2016;75(s2):29-30
- Bartolucci AA, Hillegass WB. Overview, Strengths, and Limitations of Systematic Reviews and Meta-Analyses. In: Chiappelli F, editor. *Evidence-Based Practice: Toward Optimizing Clinical Outcomes*. Berlin, Heidelberg: Springer Berlin Heidelberg; 2010. p. 17-33.
- \*Pare G, Tate M, Johnstone D, Kitsiou S. Contextualizing the twin concepts of systematicity and transparency in information systems literature reviews. *Eur J Inform Syst*. 2016;25(6):493-508.
- Lefebvre C, Glanville J, Wieland LS, Coles B, Weightman AL. Methodological developments in searching for studies for systematic reviews: past, present and future? *Systematic reviews*. 2013;2:78.

## **The concept of "Evidence-Based Research"**

- \*Clarke M. Doing new research? Don't forget the old. *PLoS Med*. 2004;1(2):e35.
- Chalmers I. The lethal consequences of failing to make full use of all relevant evidence about the effects of medical treatments: the importance of systematic reviews. In: Rothwell PM, editor. *Treating Individuals - from randomised trials to personalised medicine*. London: The Lancet; 2007. p. 37-58.
- \*Lund H, Brunnhuber K, Juhl C, Robinson K, Leenaars M, Dorch BF, et al. Towards evidence based research. *BMJ*. 2016;355:i5440.

- Jamtvedt G, Lund H, Nortvedt MW. [Evidence-based research?]. *Tidsskr Nor Laegeforen*. 2014;134(1):10-1.
- Ioannidis JP, Greenland S, Hlatky MA, Khoury MJ, Macleod MR, Moher D, et al. Increasing value and reducing waste in research design, conduct, and analysis. *Lancet*. 2014;383(9912):166-75.
- Glasziou P, Altman DG, Bossuyt P, Boutron I, Clarke M, Julious S, et al. Reducing waste from incomplete or unusable reports of biomedical research. *Lancet*. 2014;383(9913):267-76.
- Chan AW, Song F, Vickers A, Jefferson T, Dickersin K, Gotzsche PC, et al. Increasing value and reducing waste: addressing inaccessible research. *Lancet*. 2014;383(9913):257-66.
- Al-Shahi Salman R, Beller E, Kagan J, Hemminki E, Phillips RS, Savulescu J, et al. Increasing value and reducing waste in biomedical research regulation and management. *Lancet*. 2014;383(9912):176-85.
- Chalmers I, Bracken MB, Djulbegovic B, Garattini S, Grant J, Gulmezoglu AM, et al. How to increase value and reduce waste when research priorities are set. *Lancet*. 2014;383(9912):156-65.
- Macleod MR, Michie S, Roberts I, Dirnagl U, Chalmers I, Ioannidis JP, et al. Biomedical research: increasing value, reducing waste. *Lancet*. 2014;383(9912):101-4.
- Chalmers I, Nylenna M. A new network to promote evidence-based research. *Lancet*. 2014;384(9958):1903-4.
- Chalmers I. Academia's failure to support systematic reviews. *The Lancet*. 2005;365(9458):469.
- Emanuel EJ, Wendler D, Grady C. What makes clinical research ethical? *JAMA*. 2000;283(20):2701-11.
- Altman DG. The scandal of poor medical research. *BMJ*. 1994;308(6924):283-4.
- Savulescu J, Spriggs M. The hexamethonium asthma study and the death of a normal volunteer in research. *J Med Ethics*. 2002;28(1):3-4.

### **Literature related to Social Science & Policy making and Systematic Reviews**

- \*Greenhalgh T, Malterud K. Systematic Reviews for Policymaking: Muddling Through. *Am J Public Health*. 2017;107(1):97-9.

- Young K, Ashby D, Boaz A, Grayson L. Social Science and the Evidence-based Policy Movement. *Social Policy and Society*. 2002;1(3):215-24.
- Sheldon TA. Making evidence synthesis more useful for management and policy-making. *J Health Serv Res Policy*. 2005;10 Suppl 1:1-5.
- Lavis J, Davies H, Oxman A, Denis JL, Golden-Biddle K, Ferlie E. Towards systematic reviews that inform health care management and policy-making. *J Health Serv Res Policy*. 2005;10 Suppl 1:35-48.
- Dobbins M, Cockerill R, Barnsley J, Ciliska D. Factors of the innovation, organization, environment, and individual that predict the influence five systematic reviews had on public health decisions. *International journal of technology assessment in health care*. 2001;17(4):467-78.
- Dobbins M, Cockerill R, Barnsley J. Factors affecting the utilization of systematic reviews. A study of public health decision makers. *International journal of technology assessment in health care*. 2001;17(2):203-14.
- Oakley A. Social Science and Evidence-based Everything: The case of education. *Educational Review*. 2002;54(3):277-86.
- Brussoni M, Towner E, Hayes M. Evidence into practice: combining the art and science of injury prevention. *Inj Prev*. 2006;12(6):373-7.
- Atkins D, Fink K, Slutsky J, Agency for Healthcare R, Quality, North American Evidence-based Practice C. Better information for better health care: the Evidence-based Practice Center program and the Agency for Healthcare Research and Quality. *Ann Intern Med*. 2005;142(12 Pt 2):1035-41.
- \*McQuay HJ; Moore RA. How consumers and policymakers can use systematic reviews for decision making. *Ann Intern Med* 1997 July 1; 127(1): 37-42

**Total number of pages: 649**