

**SOCIETY FOR PREVENTION RESEARCH
23RD ANNUAL MEETING
WASHINGTON, DC**

Pre-Conference Workshop II

Date: Tuesday, May 26, 2015

Time: 8:30 am – 5:00 pm

Developing a protocol for a Cochrane systematic review, and introduction to the Cochrane systematic review software, “Revman”

Organizer and Presenter: David R. Foxcroft, Oxford Brookes University, Oxford UK.

Description

The Cochrane Collaboration, established in 1993, is an international, non-profit, independent organisation, established to ensure that up-to-date information about the effects of healthcare interventions is readily available worldwide. The Collaboration aims to introduce scientific rigour to minimise bias into the systematic review process by utilising an explicit and reproducible methodology. Cochrane reviews are particularly relevant and useful to public policy making. The purpose of this workshop is to introduce the Cochrane review process and tool, giving participants the opportunity to begin developing their own review question and Cochrane review protocol, and to encourage researchers to progress to undertaking a full Cochrane review. Specific learning objectives are:

- To understand the rationale and status of Cochrane reviews, especially with regard to public policy making
- To understand the rationale and format of a protocol for Cochrane systematic review
- To be able to develop a Cochrane review protocol, covering the following components: Formulation of the background and the question; Locating and selecting appropriate studies; Appraising trial quality; and Planning the methods of the review
- To understand how to interact with and navigate the Cochrane review manager software, “Revman”, with a focus on Cochrane risk of bias assessment.

NB This workshop will not cover meta-analytic methods.

Target workshop audience

This workshop is aimed at prevention researchers. Attendees should have a motivation to undertake Cochrane systematic reviews as part of their future programme of research. Experience of undertaking literature reviews (systematic or not) is not an essential prerequisite, but attendees should be comfortable with quantitative data analysis and have some background knowledge of intervention evaluation methods, including randomised controlled trials, and problems of bias in evaluation studies. Early career researchers are particularly welcome.

Materials to be provided to attendees

Essential pre-reading will be circulated to attendees two weeks before the meeting, together with a copy of workshop slides. All attendees will be asked to install the Cochrane software

“Revman” onto a laptop computer which they should bring along to the meeting. Instructions and email support for installation will be provided before the meeting.

David Foxcroft is a longstanding Editor with the Cochrane Drug and Alcohol Review Group, and has undertaken many systematic reviews and meta-analyses, including training, supervising and collaborating with other researchers to undertake and publish systematic reviews. He is a previous recipient of the SPR Nan Tobler Prize for his Cochrane systematic review work.

Workshop outline (timings are indicative and can be adjusted)

8 – 8.45 am: Pre-workshop drop-in session for participants needing last minute help installing Revman software

8.45 – 9 am: Introductions and identifying areas of shared interest

9 – 9.30 am: What are Cochrane reviews and why are they so important and useful for policy makers

9.30 – 10 am: Steps, timescale and resources for undertaking a Cochrane review

10 - 10.30 am: Overview of a Cochrane protocol: rationale and format

10.30: Coffee

11.00 – 12.30: Formulating a prevention research question and outlining the methodological steps (Activity; working in shared interest small groups)

12.30 – 13.00: Feedback and Questions

13.00: Lunch

14.30 – 15.00: Introduction and Guided Tour to the Cochrane Review Manager software

15.30 – 16:00: Cochrane risk of bias assessment, principles and practice in Revman

16.00 – 16.15: Quick tea break and leg stretch

16.15 – 16.45: Working through a risk of bias assessment (Activity; working in shared interest small groups)

16.45 – 17.00: Feedback and Questions

17.00 – 17.15: Making plans to progress the Cochrane reviews to protocol submission and completion

17.15: Closing remarks

CURRICULUM VITAE

Professor David Foxcroft

Qualifications and Awards

President, European Society for Prevention Research, 2012
British Medical Association Public Health Book Prize, 2012
US Society for Prevention Research Tobler Prize, 2007
Fellow, Royal Statistical Society, 2007
Diploma Evidence Based Health Care, University of Oxford, 1999
Chartered Psychologist, British Psychological Society, 1994
PhD University of Hull 1993
BSc (1st Class Hons) Psychology, University of Hull, 1990

Posts held

Professor of Community Psychology and Public Health, Oxford Brookes University, 1999-
Senior Fellow, NHS R&D Programme, University of Southampton, 2001-2
Senior Research Fellow, University of Southampton Medical School, 1999
Founder and Co-ordinator, R&D Support Unit, Portsmouth University Hospitals 1995-9
Senior Lecturer, Department of Psychology, University of Portsmouth, 1993-1999

Selected publications

Foxcroft DR, Coombes L, Wood S, Allen D, Almeida Santimano NML. Motivational interviewing for alcohol misuse in young adults. *Cochrane Database of Systematic Reviews* 2014, Issue 8. Art. No.: CD007025. DOI: 10.1002/14651858.CD007025.pub2.

Foxcroft, D. R. (2014). Can prevention classification be improved by considering the function of prevention? *Prevention Science*. Advance publication online. doi:10.1007/s1121-013-0435-

Foxcroft, D.R. (2014) "Form ever follows function. This is the law". A prevention taxonomy based on a functional typology. *Adicciones*.

Sanhueza C., Ryan L. & Foxcroft DR (2013) Diet and the risk of unipolar depression in adults: systematic review of cohort studies. *J. Hum. Nutr. Diet.* 26: 56–70 doi:10.1111/j.1365-277X.2012.01283.x

Foxcroft DR, Tsertsvadze A (2012) Universal alcohol misuse prevention programmes for children and adolescents: Cochrane systematic reviews. *Perspectives in Public Health* 132: 128 doi: 10.1177/1757913912443487

Fernandez-Hermida, J. R., Calafat, A., Becoña, E., Tsertsvadze, A. and Foxcroft, D. R. (2012), Assessment of generalizability, applicability and predictability (GAP) for evaluating external validity in studies of universal family-based prevention of alcohol misuse in young people: systematic methodological review of randomized controlled trials. *Addiction*. doi: 10.1111/j.1360-0443.2012.03867.x

Strang J, Babor T, Caulkins J, Fischer B, Foxcroft D, Humphreys K (2012) Drug policy and the public good: evidence for effective interventions. *Lancet* 379(9810): 71-83.

Babor TF, Caulkins JP, Edwards G, Fischer B, Foxcroft DR, Humphreys K, Obot IS, Rehm J, Reuter P, Room R, Rossow I, Strang J (2010) *Drug Policy and the Public Good*. Oxford University Press: Oxford.

Smith LA, Foxcroft DR (2009) The effect of alcohol advertising, marketing and portrayal on drinking behaviour in young people: systematic review of prospective cohort studies. *BMC Public Health* 9:51 link

Smith L, Watson M, Gates S, Ball D, Foxcroft DR (2008) Meta-analysis of the association of the Taq1A polymorphism with the risk of alcohol dependency: A HuGE gene-disease association review. American Journal of Epidemiology 167(2):125-38

Recent projects

Science for Prevention Academic Network (SPAN) (European Commission) (€600,000)

SHARPP and TATI Alcohol Misuse Prevention Programme (STAMPP): cluster randomised controlled trial (UK NIHR) (£1,056,000)

Drugs Education in Victoria Schools, DEVS (Australian Research Council) (AUS\$460,000)

Adaptation and testing of the Good Behaviour Game (UK ESRC, TSB, Oxfordshire County Council) (£160,000)

Preventing Alcohol and Drug Misuse: Evaluation of the SFP10-14 in Wales (MRC NPRI) (£2,136,000)