

Randomised trial reports continue to be islands of evidence, with few continents in sight

Michael Clarke, Sally Hopewell

► **To cite this version:**

Michael Clarke, Sally Hopewell. Randomised trial reports continue to be islands of evidence, with few continents in sight. *Trials*, BioMed Central, 2013, 14 (Suppl 1), pp.095. inserm-00911534

HAL Id: inserm-00911534

<https://www.hal.inserm.fr/inserm-00911534>

Submitted on 29 Nov 2013

HAL is a multi-disciplinary open access archive for the deposit and dissemination of scientific research documents, whether they are published or not. The documents may come from teaching and research institutions in France or abroad, or from public or private research centers.

L'archive ouverte pluridisciplinaire **HAL**, est destinée au dépôt et à la diffusion de documents scientifiques de niveau recherche, publiés ou non, émanant des établissements d'enseignement et de recherche français ou étrangers, des laboratoires publics ou privés.

ORAL PRESENTATION

Open Access

Randomised trial reports continue to be islands of evidence, with few continents in sight

Michael Clarke^{1*}, Sally Hopewell^{2,3}

From 2nd Clinical Trials Methodology Conference: Methodology Matters
Edinburgh, UK. 18-19 November 2013

Background

Existing evidence should provide ethical, scientific and environmental justification for a new trial and users of randomized trials need to see their findings within the context of similar trials. Since 1997, *Annals of Internal Medicine*, *BMJ*, *JAMA*, *Lancet*, and *New England Journal of Medicine* have been assessed to see if results are placed in context and, more recently, to see if systematic reviews are used to justify the trial.

Methods

We assessed each May 2012 issue of these journals to identify reports of randomized trials. Introduction sections were categorised as first trial, updated systematic review used in the design, systematic review mentioned, other trials mentioned, and no other trials mentioned with no claim to be the first trial. Discussion sections were categorised as first trial, systematic review integrating the new trial, systematic review mentioned, and no apparent systematic attempt to place findings in full context.

Results

35 reports of randomized trials were included. Introduction sections: 5 were said to be the first trial, 1 used an updated systematic review in the design, 13 discussed previous systematic reviews, 10 mentioned other trials, and 6 didn't mention other trials or claim to be the first. Discussion sections: 2 were said to be the first trial, 2 contained a systematic review integrating the new trial, 11 mentioned a systematic review, and 20 made no apparent systematic attempt to place findings in full context. There was variability across the journals.

Conclusions

Many trials still don't use systematic reviews in their design and reporting.

Authors' details

¹All-Ireland Hub for Trials Methodology Research, Belfast, UK. ²Centre for Statistics in Medicine, Oxford, UK. ³French Cochrane Centre, INSERM, Paris, France.

Published: 29 November 2013

doi:10.1186/1745-6215-14-S1-O95

Cite this article as: Clarke and Hopewell: Randomised trial reports continue to be islands of evidence, with few continents in sight. *Trials* 2013 **14**(Suppl 1):O95.

Submit your next manuscript to BioMed Central and take full advantage of:

- Convenient online submission
- Thorough peer review
- No space constraints or color figure charges
- Immediate publication on acceptance
- Inclusion in PubMed, CAS, Scopus and Google Scholar
- Research which is freely available for redistribution

Submit your manuscript at
www.biomedcentral.com/submit



¹All-Ireland Hub for Trials Methodology Research, Belfast, UK
Full list of author information is available at the end of the article