

# The EQUATOR Network

supporting writers to publish  
high-impact health research

Caroline Struthers, Education and Training Manager

Medcomms Networking Event

3 May 2017, Oxford

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



# The EQUATOR Network



- **Why?** was EQUATOR established?
- **What?** is EQUATOR?
- **How?** do we achieve our mission?

# Widespread deficiencies in research reporting

## What is missing from descriptions of treatment in trials and reviews?

Replicating non-pharmacological treatments in practice depends on how well they have been described in research studies, say **Paul Glasziou** and colleagues

Have you ever read a trial or review and wondered exactly how to carry out treatments such as a "behavioural intervention," "salt reduction," or "exercise programme"? Although CONSORT and related ini-

receiving numerous requests for additional details from doctors and patients, the author of a randomised trial on graded exercise for chronic fatigue syndrome<sup>1</sup> subsequently published a supplementary article with a more detailed description of the exercise programme.



ARTICLE

## Adequacy of Published Oncology Randomized Controlled Trials to Provide Therapeutic Details Needed for Clinical Application

Jennifer M. Duff, Helen Leather, Edmund O. Walden, Kourtney D. LaPlant, Thomas J. George Jr

Manuscript received July 9, 2009; revised March 15, 2010; accepted March 16, 2010.

**Correspondence to:** Thomas J. George Jr, MD, FACP, Division of Hematology Oncology, Department of Medicine, Health Science Center, University of Florida, PO Box 100278, Gainesville, FL 32610-0278 (e-mail: thom.george@medicine.ufl.edu).

## Reporting of adverse events in randomized controlled trials of highly active antiretroviral therapy: systematic review

Michal Y. Chowers<sup>1,2\*</sup>, Bat Sheva Gottesman<sup>1,2</sup>, Leonard Leventhal<sup>3</sup>, Steen Andreassen<sup>4</sup> and Mical Paul<sup>1</sup>

<sup>1</sup>Sackler Faculty of Medicine, Tel Aviv University, Tel Aviv, Israel; <sup>2</sup>Meir

<sup>3</sup>Rabin Medical Center, Beilinson Campus, Petah-Tiqva, Israel; <sup>4</sup>Center for Support, Aalborg University, Aalborg, Denmark

Received 5 February 2009; returned 3 April 2009; revised 20 April 2009

**Objectives:** Our objectives were to systematically assess the quality of translation of the trial findings to clinical practice. Potential solutions of submission guidelines, use of online appendices, and providing of

## Exercise prescription: a case for standardised reporting

Clin Chem Lab Med 2012;50(3):411–413 © 2012 by Walter de Gruyter • Berlin • Boston. DOI 10.1515/cclm-2011-0904

## An appeal to medical journal editors: the need for a full description of laboratory methods and specimen handling in clinical study reports

of exercise reporting practices using the type of exercise effects for chronic conditions as the material. Inclusion criteria: systematic reviews summarised the effects of exercise programmes

as any kind of physical training to promote physical health.<sup>12–14</sup> Exercise can vary with respect to the type of muscle contraction, load, speed and range of movement, number of repetitions and

OPEN ACCESS Freely available online

## Publication Bias in Antipsychotic Trials: A Systematic Review of Efficacy Comparing the Published Literature with the Food and Drug Administration Database

Lee Shapley<sup>5</sup>

Department of Health Care, Oregon Health & Science University, Medical Center, Portland, Oregon, United States

RESEARCH ARTICLE

Open Access

## Electronic search strategies to identify reports of cluster randomized trials in MEDLINE: low precision will improve with adherence to reporting standards

Monica Taljaard<sup>1,2\*</sup>, Jessie McGowan<sup>3,4,5</sup>, Jeremy M Grimshaw<sup>1,6</sup>, Jamie C Brehaut<sup>1,2</sup>, Andrew McRae<sup>7</sup>, Martin P Eccles<sup>8</sup>, Allan Donner<sup>7,9</sup>

of evidence-based medicine, yet a lack of regulatory agencies, e.g., the US Food and Drug Administration, can be a barrier to which it inflates apparent

# Guidance existed but was difficult to find and not used



OPEN ACCESS Freely available online

**Guidelines and Guidance**

## Preferred Reporting Items for Systematic Reviews and Meta-Analyses: The PRISMA Statement

David Moher<sup>1,2\*</sup>, Alessandro Liberati<sup>3,4</sup>, Jennifer Tetzlaff<sup>1</sup>, Douglas G. Altman<sup>5</sup>, The PRISMA Group<sup>1</sup>

**Introduction**

Systematic reviews and meta-analyses have become increasingly important in health care. Clinicians read them to keep up to date with their field [1,2], and they are often used as a starting point for developing clinical practice guidelines. Granting agencies may require a systematic review to ensure there is justification for further research [3], and some health care journals are moving in this direction [4]. As with all research, the value of a systematic review depends on what was done, what was found, and the clarity of reporting. As with other publications, the reporting quality of systematic reviews varies, limiting readers' ability to assess the strengths and weaknesses of those reviews.

Several early studies evaluated the quality of review reports. In 1987, Mulrow examined 50 review articles published in four leading medical journals in 1985 and 1986 and found that none met all eight explicit scientific criteria, such as a quality assessment of included studies [5]. In 1987, Sacks and colleagues [6] evaluated the adequacy of reporting in 283 meta-analyses on 22 clinical topics; 25% of reports were at least 1990.

In 1991, an international QUOROM which controlled these reports for systematic updates of the scientific literature.

**ELSEVIER** **CrossMark**

Journal of Clinical Epidemiology 68 (2015) 112–121

**SPECIAL ARTICLE**

## Transparent Reporting of a Multivariable Prediction Model for Individual Prognosis Or Diagnosis (TRIPOD): the TRIPOD statement

Gary S. Collins<sup>a,\*</sup>, Johannes B. Reitsma<sup>b</sup>, Douglas G. Altman<sup>a</sup>, Karel G.M. Moons<sup>b</sup>

<sup>a</sup>Center for Statistics in Medicine, Nuffield Department of Orthopedics, Rheumatology and Musculoskeletal Sciences, Botnar Research Center, University of Oxford, Oxford, United Kingdom

<sup>b</sup>Julius Center for Health Sciences and Primary Care, University Medical Center Utrecht, Utrecht, the Netherlands

**Abstract**

Prediction models are developed to aid health care providers in estimating the probability or risk that a specific disease or condition is present (diagnostic models) or that a specific event will occur in the future (prognostic models), to inform their decision making. However, the overwhelming evidence shows that the quality of reporting of prediction model studies is poor. Only with full and clear reporting of information on all aspects of a prediction model can risk of bias and potential usefulness of prediction models be adequately assessed. The Transparent Reporting of a multivariable prediction model for Individual Prognosis Or Diagnosis (TRIPOD) Initiative developed a set of recommendations for the reporting of studies developing, validating, or updating a prediction model, whether for diagnostic or prognostic purposes. This article describes how the TRIPOD Statement was developed. An extensive list of items to be reported was developed during a 3-day meeting in June 2011. The steering group and in e-mail discussions, deemed essential for transparent reporting of a prediction model study. An explanation and elaboration document, a completed checklist in the submission form, and a 3-day meeting in June 2011.

OPEN ACCESS Freely available online

**PLOS MEDICINE**

## The Strengthening the Reporting of Observational Studies in Epidemiology (STROBE) Statement: Guidelines for Reporting Observational Studies

J. G. Altman<sup>2</sup>, Matthias Egger<sup>1,3</sup>, Stuart J. Pocock<sup>4</sup>, Peter C. Gøtzsche<sup>5</sup>, David G. Altman<sup>2</sup>, Matthias Egger<sup>1,3</sup>, Stuart J. Pocock<sup>4</sup>, Peter C. Gøtzsche<sup>5</sup>, David G. Altman<sup>2</sup>

**ABSTRACT**

Much biomedical research is observational. The reporting of such research is often inadequate, which hampers the assessment of its strengths and weaknesses and of a study's generalisability. The Strengthening of Observational Studies in Epidemiology (STROBE) Initiative developed recommendations on what should be included in an accurate and complete report of an observational study. We defined the scope of the recommendations to include all types of observational studies: cross-sectional, case-control, cohort, and case-series. We defined the scope of the recommendations to include all types of observational studies: cross-sectional, case-control, cohort, and case-series. We defined the scope of the recommendations to include all types of observational studies: cross-sectional, case-control, cohort, and case-series.

**Journal of Clinical Epidemiology**

## STARD 2015: An Updated List of Essential Items for Reporting Diagnostic Accuracy Studies<sup>1</sup>

Incomplete reporting has been identified as a major source of avoidable waste in biomedical research. Essential information is often not provided in study reports, impeding the identification, critical appraisal, and replication of studies. To improve the quality of reporting of diagnostic accuracy studies, the Standards for Reporting of Diagnostic Accuracy Studies (STARD) statement was developed. Here we present STARD 2015, an updated list of 30 essential items that should be included in every report of a diagnostic accuracy study. This update incorporates recent evidence about sources of bias and variability in diagnostic accuracy and is intended to facilitate the use of STARD. As such, STARD 2015 may help to improve completeness and transparency in reporting of diagnostic accuracy studies.

Schulz et al. *BMC Medicine* 2010, 8:18  
http://www.biomedcentral.com/1741-7015/8/18

**BMC Medicine**

**CORRESPONDENCE** **Open Access**

## CONSORT 2010 Statement: updated guidelines for reporting parallel group randomised trials

Kenneth F Schulz<sup>1\*</sup>, Douglas G Altman<sup>2</sup>, David Moher<sup>3</sup> for the CONSORT Group

**Abstract**

The CONSORT statement is used worldwide to improve the reporting of randomised controlled trials. Kenneth Schulz and colleagues describe the latest version, CONSORT 2010, which updates the reporting guideline based on new methodological evidence and accumulating experience. To encourage dissemination of the CONSORT 2010 Statement, this article is freely accessible on [www.biomedcentral.com](http://www.biomedcentral.com) and will also be published in the *Lancet*, *Obstetrics and Gynecology*, *PLoS Medicine*, *Annals of Internal Medicine*, *Open Medicine*, *Journal of Clinical Epidemiology*, *BMC Medicine*, and *Trials*.

**Introduction**

Randomised controlled trials, when appropriately designed, conducted, and reported, represent the gold standard in evaluating healthcare interventions. However, randomised trials can yield biased results if they lack methodological rigour [1]. To assess a trial accurately, readers of a published report need complete, clear, and transparent information on its methodology and findings. Unfortunately, attempted assessments frequently fail because authors of many trial reports neglect to pro-

**CONSORT 2010 Checklist** [www.consort-statement.org](http://www.consort-statement.org)

Section / topic	#	Checklist item
TITLE & ABSTRACT	1a	Identification as a randomised trial in the title
	1b	Structured summary of trial design, methods, results, and conclusions (for specific guidance see CONSORT for abstracts)
<b>INTRODUCTION</b>		
Background and objectives	2a	Scientific background and explanation of rationale
	2b	Specific objectives or hypotheses
<b>METHODS</b>		
Trial design	3a	Description of trial design (such as parallel, factorial) including allocation ratio
	3b	Important changes to methods after trial commencement (such as eligibility criteria), with reasons
Participants	4a	Eligibility criteria for participants
	4b	Settings and locations where the data were collected
Interventions	5	The interventions for each group with sufficient details to allow replication, including how and when they were actually administered
Outcomes	6a	Completely defined pre-specified primary and secondary outcome measures, including how and when they were assessed

NCBI Resources How To

**NCBI** National Center for Biotechnology Information

All Databases

Search

# What is the EQUATOR Network?

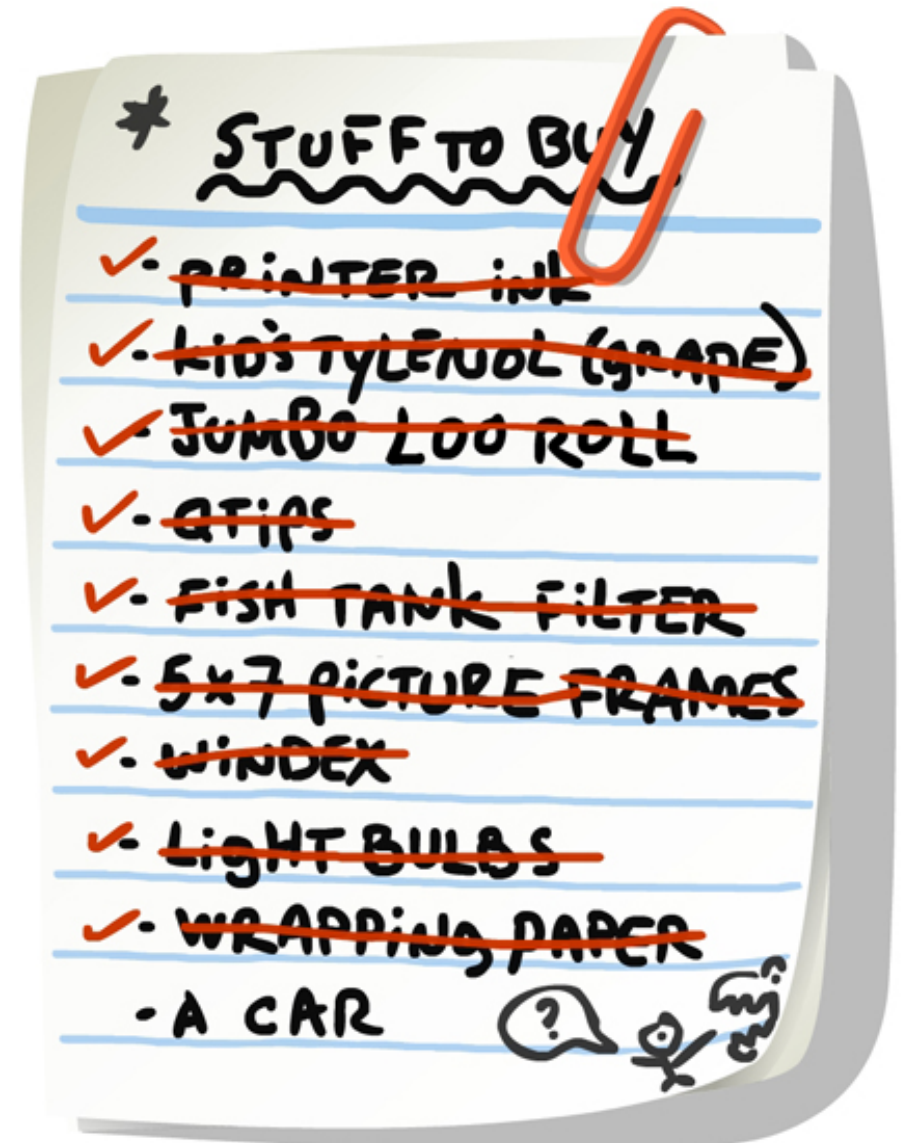


Enhancing the **QUALITY** and  
**Transparency Of health Research**

- Established by Prof Doug Altman in 2006
- An online “home” for **reporting guidelines** and other resources to support good reporting of health research
- **Recognised brand** representing honesty and integrity in research

# Reporting guidelines

- 'Reminders' of scientific content
  - What you did
  - What you found
- Structure
  - Checklist, headings
  - Flow diagram
- Based on evidence and international consensus
  - Good examples



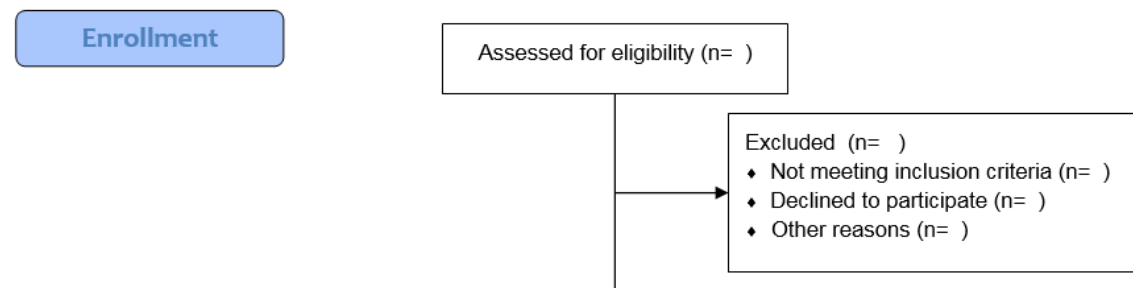
# CONSORT checklist for randomised trials



## CONSORT 2010 checklist of information to include when reporting a randomised trial\*

Section/Topic	Item No	Checklist item	Reported on page No
<b>Title and abstract</b>			
	1a	Identification as a randomised trial in the title	
	1b	Structured summary of trial design, methods, results, and conclusions (for specific guidance see CONSORT for abstracts)	
<b>Introduction</b>			
Background and objectives	2a	Scientific background and explanation of rationale	
	2b	Specific objectives or hypotheses	
<b>Methods</b>			
Trial design	3a	Description of trial design (such as parallel, factorial) including allocation ratio	
	3b	Important changes to methods after trial commencement (such as eligibility criteria), with reasons	
Participants	4a	Eligibility criteria for participants	
	4b	Settings and locations where the data were collected	

### CONSORT 2010 Flow Diagram



# Most relevant to MedComms

- CONSORT + extensions
  - Abstracts
  - Non-inferiority, cluster
  - Harms
- SAMPL – statistical reporting
- Oncology, genetics + many other specialties
- GNOSIS (Phase 1 and 2 trials)
- Pharmacovigilance – case reports



# One-stop shop



Enhancing the **QUALITY and Transparency** Of health Research



EQUATOR resources in  
Portuguese | Spanish

Home

Library

Toolkits

Courses & events

News

Blog

Librarian Network

About us

Contact

## Your one-stop-shop for writing and publishing high-impact health research

find reporting guidelines | improve your writing | join our courses | run your own training course | enhance your peer review | implement guidelines



### Library for health research reporting

The Library contains a comprehensive searchable database of reporting guidelines and also links to other resources relevant to research reporting.



Search for reporting guidelines



Not sure which reporting guideline to use?



Reporting guidelines under development



Visit the library for more resources



### Reporting guidelines for main study types

<a href="#">Randomised trials</a>	<a href="#">CONSORT</a>	<a href="#">Extensions</a>	<a href="#">Other</a>
<a href="#">Observational studies</a>	<a href="#">STROBE</a>	<a href="#">Extensions</a>	<a href="#">Other</a>
<a href="#">Systematic reviews</a>	<a href="#">PRISMA</a>	<a href="#">Extensions</a>	<a href="#">Other</a>
<a href="#">Case reports</a>	<a href="#">CARE</a>	<a href="#">Extensions</a>	<a href="#">Other</a>
<a href="#">Qualitative research</a>	<a href="#">SRQR</a>	<a href="#">COREQ</a>	<a href="#">Other</a>
<a href="#">Diagnostic / prognostic studies</a>	<a href="#">STARD</a>	<a href="#">TRIPOD</a>	<a href="#">Other</a>
<a href="#">Quality improvement studies</a>	<a href="#">SQUIRE</a>		<a href="#">Other</a>
<a href="#">Economic evaluations</a>	<a href="#">CHEERS</a>		<a href="#">Other</a>
<a href="#">Animal pre-clinical studies</a>	<a href="#">ARRIVE</a>		<a href="#">Other</a>
<a href="#">Study protocols</a>	<a href="#">SPIRIT</a>	<a href="#">PRISMA-P</a>	<a href="#">Other</a>
<a href="#">Clinical practice guidelines</a>	<a href="#">AGREE</a>	<a href="#">RIGHT</a>	<a href="#">Other</a>

Browse reporting guidelines by specialty

The specialties listed below are those for which there are specialty-specific reporting guidelines available. If your specialty is not listed please visit the [main reporting guidelines search page](#).



Visit our new browse reporting guidelines by specialty page

<http://www.equator-network.org>

# Library for research reporting





Enhancing the Quality and Transparency of Health Research

Home
Library
Toolkits
Courses & events
New!

[Home](#) > [Library](#)

**Library for health research reporting**  
 The Library for health research reporting provides resources related to health research reporting. These are aimed at peer reviewers and reporting guideline developers.

- [Search for reporting guidelines](#)
- [Browse reporting guidelines by specialty](#)
- [Reporting guidelines under development](#)
- [Translations of reporting guidelines](#)
- [EQUATOR Network reporting guideline manual](#)
- [Guidance on scientific writing](#)
- [Guidance developed by editorial groups](#)
- [Research funders' guidance on reporting requirements](#)

**Guidance on scientific writing**

- [Guidelines and guides](#)
- [Books](#)
- [Courses](#)
- [Presentations](#)
- [Other resources](#)

**Guidelines and guides**

- Uniform Requirements for Manuscripts Submitted to Biomedical Journals: [Manuscript Preparation and Submission Guidelines](#) (FASEB Guidelines for Authors and Translators of Scientific Articles Published in English, FASEB 2015)

**Industry sponsored research – additional guidance**

**Good publication practice for pharmaceutical companies**

- Battisti WP, Wager E, Baltzer L, Bridges D, Cairns A, Carswell CI, Citrome L, Gurr JA, Mooney LA, Moore BJ, Peña T, Sanes-Miller CH, Veitch K, Woolley KL, Yarker YE. Good Publication Practice for Communicating Company-Sponsored Medical Research: GPP3. *Ann Intern Med.* 2015 Aug 11. PMID: [26259067](#)  
**GPP3 replaces GPP2** [Graf et al. 2009; PMID: [19946142](#)] and **GPP** [Wager et al. 2003; PMID: [12814125](#)]

**Authors' Submission Toolkit**

- A resource guide to best practices in the preparation and submission of manuscripts describing industry-sponsored research prepared by the [Medical Publishing Insights and Practices Initiative](#) (MPIP)
- [Reporting adverse events in clinical trial publications](#) developed by Medical Publishing Insights and Practices (MPIP), the International Society for Medical Publication Professionals and representatives from the pharmaceutical industry
- Chipperfield L, Citrome L, Clark J, David FS, Enck R, Evangelista M, Gonzalez J, Groves T, Magrann J, Mansi B, Miller C, Mooney LA, Murphy A, Shelton J, Walson PD, Weigel A. Authors' submission toolkit: A practical guide to getting your research published. *CMRO.* 2010;26(8):1967-1982. PMID: [20569069](#)

**Authorship framework for disclosing contributors to industry-sponsored clinical trial publications**

- Marušić A, Hren D, Mansi B, Lineberry N, Bhattacharya A, Garrity M, et al. Five-step authorship framework to improve transparency in disclosing contributors to industry-sponsored clinical trial publications. *BMC Med.* 2014;12:197. PMID: [25604352](#)

**Guidance developed by professional organisations**

- [American Medical Writers Association \(AMWA\)](#)
- [European Medical Writers Association \(EMWA\)](#)
- [International Society for Medical Publication Professionals \(ISMPP\)](#)
- [Joint statement on the role of medical writers from AMWA, EMWA, and ISMPP, explicitly mentioning reporting guidelines and EQUATOR Network, issued January 2017](#)

languages other than English. Find out more in our [Translations section](#).

# Database of reporting guidelines

## Search for reporting guidelines



Browse for reporting guidelines by selecting one or more of these drop-downs:

Study type

Please select... ▾

and

Clinical area

Please select... ▾

and

Section of report

Please select... ▾

Or search with free text

Search Reporting Guidelin

Search Reporting Guidelines

[Start again](#) | [Help](#)

Displaying 359 reporting guidelines found.

Most recently added records are displayed first.

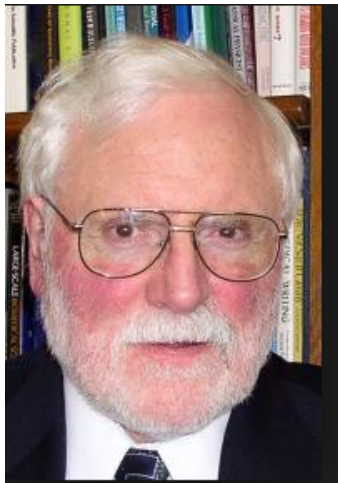


[Best Practices in Data Analysis and Sharing in Neuroimaging using MRI](#)

# EQUATOR activities

- Raise awareness of the impact of poor reporting
- Highlight our tools and resources
- Engage with professional communities
- Provide training

# EQUATOR Annual Lectures



Prof Patrick Bossuyt  
8<sup>th</sup> EQUATOR Annual Lecture 2017, Peer Review Congress, Chicago

# EQUATOR toolkits



Enhancing the **QUALITY** and  
**Transparency Of health Research**



EQUATOR resources in  
[Portuguese](#) | [Spanish](#)

- Home
- Library
- Toolkits**
- Courses & events
- News
- Blog
- Librarian Network
- About us
- Contact

[Home](#) > [Toolkits](#)

## Toolkits

This section provides practical help and resources to support you in:



[Writing research](#)



[Using guidelines in your journal](#)



[Teaching research skills](#)



[Selecting the appropriate reporting guideline](#)

## Reporting guidelines for main study types

<a href="#">Randomised trials</a>	<a href="#">CONSORT</a>	<a href="#">Extensions</a>
<a href="#">Observational studies</a>	<a href="#">STROBE</a>	<a href="#">Extensions</a>
<a href="#">Systematic reviews</a>	<a href="#">PRISMA</a>	<a href="#">Extensions</a>
<a href="#">Case reports</a>	<a href="#">CARE</a>	<a href="#">Extensions</a>
<a href="#">Qualitative research</a>	<a href="#">SRQR</a>	<a href="#">COREQ</a>
<a href="#">Diagnostic / prognostic studies</a>	<a href="#">STARD</a>	<a href="#">TRIPOD</a>
<a href="#">Quality improvement studies</a>	<a href="#">SQUIRE</a>	
<a href="#">Economic evaluations</a>	<a href="#">CHEERS</a>	
<a href="#">Animal pre-clinical studies</a>	<a href="#">ARRIVE</a>	
<a href="#">Study protocols</a>	<a href="#">SPIRIT</a>	<a href="#">PRISMA-P</a>
<a href="#">Clinical practice guidelines</a>	<a href="#">AGREE</a>	<a href="#">RIGHT</a>

# Toolkit for researchers and medical writers



[Home](#) [Library](#) **[Toolkits](#)** [Courses & events](#) [News](#) [Blog](#) [Librarian Network](#) [About us](#) [Contact](#)

[Home](#) > [Toolkits](#) > [How to write a great research paper using reporting guidelines](#)

## How to write a great research paper using reporting guidelines

Welcome to our toolkit for writing research!

Using the resources you find here will set you on the right road to writing a great research paper using reporting guidelines

When published, your article will start a new independent life. It will be read and critically appraised, and it may contribute to systematic reviews, inform clinical guidelines, and influence clinical practice.

Before you submit your paper to a journal, you need to consider whether the article will achieve its purpose:

- Will a Cochrane reviewer be able to scrutinise your study's methods to assess the risk of bias?
- Would another researcher be able to replicate your experiment?
- Can numerical results be extracted from your paper easily?
- Have you provided enough detail about your intervention to allow its use in clinical practice?

The resources in this toolkit will help you achieve a long and useful life for your article by reporting it in the best way possible.

- [Find the right reporting guideline with the EQUATOR wizard](#)
- [Browse the EQUATOR library of reporting guidelines](#)
- [Read chapters from our textbook explaining why reporting guidelines are helpful](#)
- [Look at examples of good reporting](#)
- [Using COBWEB, an online tool for writing randomised controlled trial reports](#)



## Reporting guidelines for main study types

<a href="#">Randomised trials</a>	<a href="#">CONSORT</a>	<a href="#">Extensions</a>
<a href="#">Observational studies</a>	<a href="#">STROBE</a>	<a href="#">Extensions</a>
<a href="#">Systematic reviews</a>	<a href="#">PRISMA</a>	<a href="#">Extensions</a>
<a href="#">Case reports</a>	<a href="#">CARE</a>	<a href="#">Extensions</a>
<a href="#">Qualitative research</a>	<a href="#">SRQR</a>	<a href="#">COREQ</a>
<a href="#">Diagnostic / prognostic studies</a>	<a href="#">STARD</a>	<a href="#">TRIPOD</a>
<a href="#">Quality improvement studies</a>	<a href="#">SQUIRE</a>	
<a href="#">Economic evaluations</a>	<a href="#">CHEERS</a>	
<a href="#">Animal pre-clinical studies</a>	<a href="#">ARRIVE</a>	
<a href="#">Study protocols</a>	<a href="#">SPIRIT</a>	<a href="#">PRISMA-P</a>
<a href="#">Clinical practice guidelines</a>	<a href="#">AGREE</a>	<a href="#">RIGHT</a>

# Education and training



Do you want to get published, and be praised for it?

Do you want your institution to be recognised for its excellent publication record?

Hands-on writing exercises for key sections of a research article

Using reporting guidelines

- Clinician, postdoc and student researchers
- Medical writers – agencies and pharma companies
- Humanitarian organisations
- Academic and healthcare leaders

“  
*It was an excellent workshop and I shared the main take-home messages with colleagues. It helped me a lot, even after years of this kind of thing, to put my thoughts in order.*  
”

“  
*Thank you for the inspiration and energy that you have given me to go back home to my students and colleagues and tell them again and again about EQUATOR.*  
”



*“It is difficult for me to think of any other single initiative on Research Methodology that has had a similar broad impact on research as EQUATOR.*

*The EQUATOR Network has become an indispensable resource for researchers (as authors of research papers across very diverse types of investigation), editors and peer reviewers for guidance on health research reporting and general issues relating to the responsible conduct and reporting of health research.”*



John P.A. Ioannidis, MD, DSc

Essay

## Why Most Published Research Findings Are False

John P.A. Ioannidis

# Thank you

Contact me to discuss opportunities for EQUATOR to provide tailored training for your staff

Caroline Struthers

Education and Training Manager UK

EQUATOR Centre |

caroline.struthers@csm.ox.ac.uk

EQUATOR Network | [www.equator-network.org](http://www.equator-network.org) |

@EQUATORNetwork | #EQPubSchool

<https://www.csm.ox.ac.uk/team/caroline-struthers>