

# Reporting guidelines

## Introduction

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equator  
network

# Research on research

## Poor reporting

Statistics  
in Medicine



Article

### Statistics in medical journals<sup>†</sup>

Douglas G. Altman

First published: 1982 | <https://doi.org/10.1002/sim.4780>

sfx locator

<sup>†</sup> Based upon a talk given to the Medical Section of the Ro

#### Editorials

### The scandal of poor medical research

*BMJ* 1994 ; 308 doi: <https://doi.org/10.1136/bmj.308.6924.283> (Published 29 January 1994)

Cite this as: *BMJ* 1994;308:283

#### Linked Opinion

Richard Smith: Medical research—still a scandal

Article

Related content

Metrics

Responses

D G Altman

We need less research, better research, and research done for the right reasons

# Reporting Guidelines

## CONSORT

This Issue

### Article

August 28, 1996

# Improving the Quality of Reporting of Randomized Controlled Trials

## The CONSORT Statement

Colin Begg, PhD; Mildred Cho, PhD; Susan Eastwood, ELS(D); [et al](#)

» [Author Affiliations](#)

*JAMA*. 1996;276(8):637-639. doi:10.1001/jama.1996.03540080059030

# Development process

## Reporting guidelines

1. Identifying the need
2. Literature review
  1. Previous reporting guidelines
  2. Evidence of poor reporting
  3. Sources of bias
3. Protocol
4. Delphi process
  1. Identify experts
  2. Item list
  3. Face-to-face meeting
  4. Item reduction

# Guidelines for interventional protocols

## SPIRIT

- SPIRIT: Standard Protocol Items foR clInical Trials
- Ann Intern Med. 2013; 158: 200-207.
- Explanation and Elaboration document: BMJ. 2013; 346: e7586.
- [www.spirit-statement.org](http://www.spirit-statement.org)

## SPIRIT

- SPENT-2019: n-of-1 trials
- SPIRIT-AI: interventions involving Artificial Intelligence
- SPIRIT-PRO: inclusion of patient-reported outcomes
- SPIRIT-TCM: Traditional Chinese Medicine
- SPIRIT-Outcomes (in development): outcome definition/description

# Online template

## SEPTRE

- Web-based protocol writing based on SPIRIT statement
- <https://www.spirit-statement.org/trial-protocol-template/>



# Guidelines for intervention description

## TIDieR

- Template for Intervention Description and Replication
- BMJ. 2014;348:g1687
  
- Extensions
  - TIDieR-PHP: Population health and policy interventions
  - TIDieR-Placebo: Placebo and sham controls



# Guidelines for other study designs?

## Reporting guidelines

- Systematic reviews: PRISMA-P
- Others: check for reporting guidelines and the Explanation and Elaboration document (EQUATOR-Network)
- <https://www.equator-network.org/reporting-guidelines/>
- For example
  - Observational studies: STROBE
  - Diagnostic studies: STARD
  - Prognostic studies: TRIPOD
  - Systematic reviews: PRISMA
  - Genetic association studies: STREGA
  - Discipline-specific aspects e.g. surgery (IDEAL) ...