

# Beyond CONSORT: reporting guidelines for other types of manuscript

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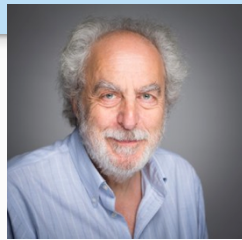
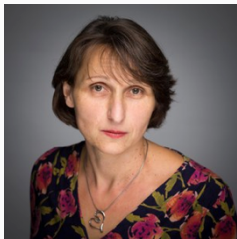


Medcomms networking workshop  
Improving efficiency, transparency and integrity in medical publications: overview of the latest guidelines  
Alderley Park, 3 December 2015

In the beginning there was...



# The EQUATOR Team



CENTRE for STATISTICS in MEDICINE



equator network

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

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GUIDELINES  
FOR**

**GOOD REPORTS**

CARE for CASE REPORTS | STROBE for OBSERVATIONAL STUDIES  
CONSORT for RANDOMISED TRIALS | SPIRIT for PROTOCOLS  
COREQ and SROR for QUALITATIVE RESEARCH  
STROBE for OBSERVATIONAL STUDIES | PRISMA for SYSTEMATIC REVIEWS  
TIDIER for INTERVENTIONS | ARRIVE for ANIMAL STUDIES  
STARD for DIAGNOSTIC STUDIES | SQUIRE for QUALITY IMPROVEMENT  
REMARK for TUMOUR MARKERS | TRIPOD for PROGNOSTIC STUDIES  
CHEERS for ECONOMIC EVALUATIONS

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# Now nearly 300 reporting guidelines But don't panic!



## 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="#">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>

[See all 284 reporting guidelines](#)

**STROBE**  
Strengthening the reporting of observational studies

**CONSORT**

**ARRIVE**

**SPIRIT**  
STANDARD PROTOCOL ITEMS: RECOMMENDATIONS FOR INTERVENTIONAL TRIALS

**case reports**  
a little structure goes a long way

**equator network**

Pre-CONSORT

# ARRIVE

*Animal research*



NC  
3R<sup>s</sup>

National Centre  
for the Replacement  
Refinement & Reduction  
of Animals in Research

ARRIVE



## A Cautionary Tale Tail

July 2015: Systematic review of animal studies on new vaccine for TB raises questions about the evidence justifying trials in children

Eight small studies (192 animals), low quality, poorly reported

The review gave no evidence to support the effectiveness of the vaccine

Largest animal trial with the longest follow-up published a year after recruitment to the trial in children had started

Five of the six monkeys in the vaccine group died compared with two of the six monkeys in the control group.

Trial report did not include the name of the vaccine in the title or the abstract



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# ClinPK

## Pharmacokinetic & pharmacodynamic studies



Search

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Hot off the press!



Look Inside Get Access

Original Research Article  
Clinical Pharmacokinetics  
July 2015, Volume 54, Issue 7, pp 783-795  
First online: 31 January 2015

### Reporting Guidelines for Clinical Pharmacokinetic Studies: The ClinPK Statement

Only one review of pharmacokinetic studies has ever been done

- Antibiotics in patients with sepsis receiving continuous renal replacement therapy
- None of the trials identified reported all the criteria deemed essential for readers to adequately interpret the results.
- Basic pharmacokinetic parameters were reported in only 80 % of studies

*Would be helpful therefore to publish the guideline in an open access journal...*

	Checklist Item	Reported on Page Number
	Title/Abstract	
1	The title identifies the drug(s) and patient population(s) studied.	
2	The abstract minimally includes the route of administration, the route of administration studied, and the result clinical pharmacokinetic	
3	Pharmacokinetic data (excretion) that is known is described	
4	An explanation of the	
5	Specific objectives of	
6	Eligibility criteria of	
7	Co-administration (or potentially interacting) described.	
8	Drug preparation and dose, route, formulation frequency are described.	

phant,  
iore

#### Key Points

Incomplete study reporting can lead to misinterpretation and compromised generalizability of study findings.

Compliance with ClinPK reporting guidelines will promote transparent and complete reporting of clinical pharmacokinetic studies.

# GNOSIS

## Phase 1 and 2 (sometimes 3) trials

### GNOSIS: Guidelines for neuro-oncology: Standards for investigational studies—reporting of phase 1 and phase 2 clinical trials



The GNOSIS checklists can be adapted for other clinical fields

Incomplete, unclear, or inaccurate design, interpretation, and reporting of the results from these vital early phase trials can hamper timely drug development and lead to erroneous conclusions as to efficacy

*Mariani and Marubini, 2000*

**Table 1.** Phase 1 checklist\*

Section of Report	Item	Description
Title	1	<input type="checkbox"/> Phase 1 trial, intervention studied, newly diagnosed or recurrent tumor, tumor type, study population <input type="checkbox"/> State if PK studies are part of the research.
Abstract	2	<input type="checkbox"/> Structured abstract recommended, consisting of Introduction, Methods, Results, and Conclusions
Introduction	3	Scientific background and explanation of rationale <ul style="list-style-type: none"> <li><input type="checkbox"/> Drug background information: name, trademarked name, mechanism of action</li> <li>Rationale for trial/preclinical efficacy of study drug                             <ul style="list-style-type: none"> <li><input type="checkbox"/> In vitro studies</li> <li><input type="checkbox"/> In vivo studies</li> <li><input type="checkbox"/> Phase 1 studies in other tumor types</li> </ul> </li> <li><input type="checkbox"/> Any known PK information, especially regarding CNS penetration and the role of drug interactions</li> </ul>
Methods		
	• Eligibility criteria 4	<input type="checkbox"/> Age <input type="checkbox"/> Performance status <input type="checkbox"/> Estimated survival <input type="checkbox"/> Laboratory tests (required counts/levels/functions) <input type="checkbox"/> Informed consent and IRB approval <input type="checkbox"/> Newly diagnosed/recurrent tumor <ul style="list-style-type: none"> <li><input type="checkbox"/> If recurrent, state criteria for determining progression.</li> <li><input type="checkbox"/> Measurable versus nonmeasurable evaluable disease</li> </ul> <input type="checkbox"/> Surgical/radiographic criteria to confirm tumor if focal high-dose radiation was used previously <input type="checkbox"/> Tumor type/grade/stage: Use 2000 WHO scale <ul style="list-style-type: none"> <li><input type="checkbox"/> Histology review: Note if central review was required.</li> </ul> <input type="checkbox"/> Prior treatment (resection/radiation/chemotherapy) <ul style="list-style-type: none"> <li><input type="checkbox"/> Number of prior treatments/relapses allowed</li> <li><input type="checkbox"/> Recovery period after prior treatment</li> </ul> <input type="checkbox"/> Comorbidity

**Table 2.** Phase 2 checklist\*

Section of Report	Item	Description
Title	1	<input type="checkbox"/> Phase 2 trial, intervention studied, newly diagnosed or recurrent tumor, tumor type, study population <input type="checkbox"/> State if PK studies are part of the research.
Abstract	2	<input type="checkbox"/> Structured abstract recommended, consisting of Introduction, Methods, Results, and Conclusions <input type="checkbox"/> In the abstract Introduction, state the type of phase 2 study: e.g., open-label single arm.
Introduction	3	Scientific background and explanation of rationale



# CONSORT extensions

# CONSORT extensions

*Randomized trials*

Designs	Interventions	Data
Cluster Trials	Herbal Medicinal Interventions	CONSORT-Pro
Non-Inferiority and Equivalence Trials	Non-Pharmacologic Treatment Intervention	Harms
Pragmatic Trials	Acupuncture Interventions	Abstracts
N-of-1 Trials		



Ten official CONSORT EXTENSIONS

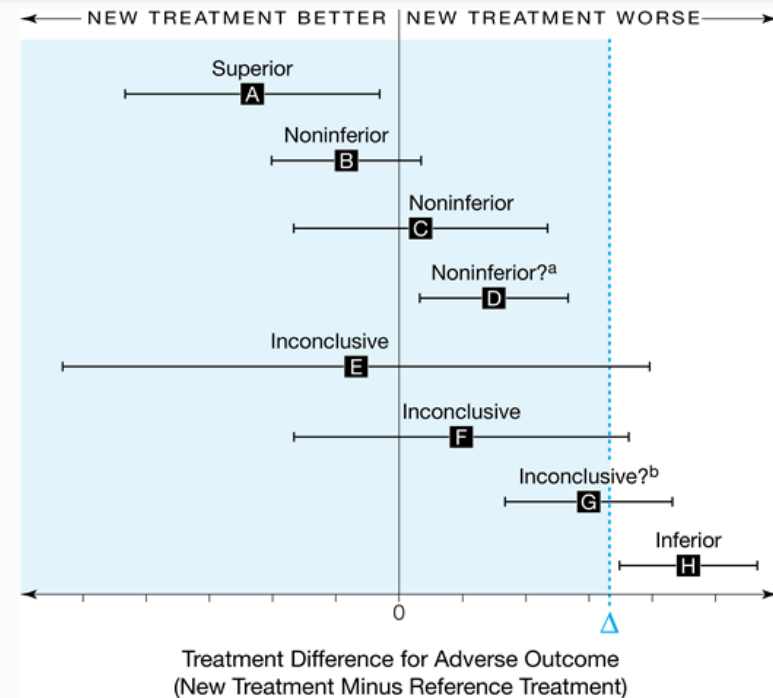
# CONSORT

## *Noninferiority & equivalence studies*



Dramatic increase in frequency of this study design since 2000

- Enough detail about the participants, the reference treatment, and outcomes to know if they are similar to the trials which initially established the efficacy of the **reference treatment**
- Checklist extends CONSORT guidance for abstracts, objectives, outcomes, and interpretation and more
- Examples of good reporting practice



# CONSORT NPI

## *Non-pharmacological interventions*



Clinical research activities have taken a low profile in the medical devices industry.

The need for good quality clinical research within this industry will only increase.

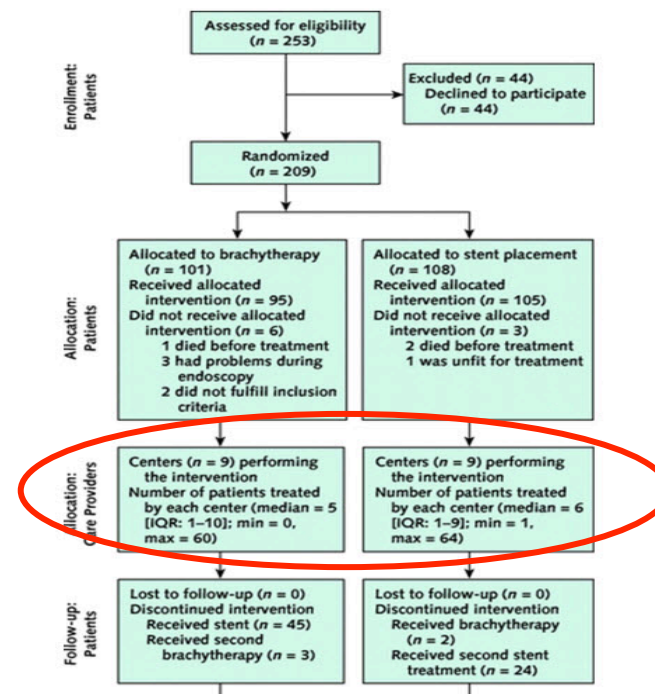
Guidelines address difficulties in blinding and complexity of non-pharm interventions

Covers reporting details about how intervention was standardised

Extra box in flow chart relating to care providers

Need to report differences in intended

implementation to what actually happened



# TIDieR

## Interventions

# TIDieR

Template for Intervention  
Description and Replication



### Authors cannot adequately describe basic essential information for readers

- 10 essential elements about intervention – e.g., drug name, dose, route....
- examined 262 reports of randomized trials from most prominent oncology journals
- overall, only 11% of articles reported all 10 essential items

David Moher, METRICS Conference, Stanford CA  
20 November 2015

BMJ 2010;340:b0067

**TIDieR**  
Template for Intervention  
Description and Replication

The TIDieR (Template for Intervention Description and Replication) Checklist\*:  
Information to include when describing an intervention and the location of the information

Item number	Item	Where located **	
		Primary paper (page or appendix number)	Other † (details)
1.	BR Pr		
2.	WI De		
3.	WI Me prc Pr		
4.	Pr inc WI		
5.	Fo ex HC		
6.	Describe the modes of delivery (e.g. receptive or by some other mechanism, such as internet or telephone) of the intervention and whether it was provided individually or in a group. <b>WHERE</b>		
7.	Describe the type(s) of location(s) where the intervention occurred, including any necessary infrastructure or relevant features.		

Extension to  
CONSORT  
item 5

TIDieR checklist

#### WHEN and HOW MUCH

8. Describe the number of times the intervention was delivered and over what period of time including

# CONSORT

*Harms data*



Guideline extends ten CONSORT checklist items

Use term “harms”, not “safety”

Explain use of non-standard measurement instruments

Distinguish between expected and unexpected adverse events

How was harms-related information collected? Observed or actively collected?

Timing of surveillance, handling of recurrent events




# TREND

## *Nonrandomised evaluations*



Came from the need to conduct systematic reviews and meta-analysis - initially in the field of HIV research


- Usually applied to interventions being evaluated in settings where randomisation is either not ethical or practical
- Emphasises the need to report the **theoretical framework** used to interpret the evaluation data
- Allows assessment of the likelihood that an intervention “caused” an outcome in the absence of a control group created by randomization.

CDC Home  
 Centers for Disease Control and Prevention  
CDC 24/7: Saving Lives. Protecting People.™

A-Z Index [A](#) [B](#) [C](#) [D](#) [E](#) [F](#) [G](#) [H](#) [I](#) [J](#) [K](#) [L](#) [M](#) [N](#) [O](#) [P](#) [Q](#) [R](#) [S](#) [T](#) [U](#) [V](#) [W](#) [X](#) [Y](#) [Z](#) #

### Transparent Reporting of Evaluations with Nonrandomized Designs (TREND)


**TREND Statement**  
Members  
Supporters  
Links  
Related Papers  
Comments



#### *Transparent Reporting of Evaluations with Nonrandomized Designs*

Evidence-based public health decisions are based on evaluations of intervention studies with randomized and nonrandomized designs. Transparent reporting is crucial for assessing the validity and efficacy of these intervention studies, and, it facilitates synthesis of the findings for evidence-based recommendations. Therefore, the mission of the Transparent Reporting of Evaluations with Nonrandomized Designs (TREND) group is to improve the reporting standards of nonrandomized evaluations of behavioral and public health interventions.

#### The TREND Statement

 The TREND statement<sup>1</sup> has a 22-item checklist specifically developed to guide standardized reporting of nonrandomized controlled trials. The TREND statement complements the widely adopted CONSolidated Standards Of Reporting Trials (CONSORT) statement developed for randomized controlled trials. A collective effort in promoting transparent reporting is valuable to improve research synthesis and advance evidence-based recommendations for best practices and policies. We encourage all researchers, funding agencies, journal editors, and reviewers to use the TREND

# CHEERS

## *Economic evaluations*



- 1995: BMJ set up a working party to improve the quality of economic articles
- 1996: BMJ published a guideline for authors and peer reviewers - BMJ EE
- 2013: The International Society for Pharmacoeconomics and Outcomes Research Good Practices Task Force published the **Consolidated Health Economic Evaluation Reporting Standards (CHEERS)**
- CHEERS Statement checklist format is based on the format of the CONSORT statement checklist

# BMJ



**ISPOR GOOD PRACTICES FOR OUTCOMES RESEARCH  
AND USE IN HEALTH CARE DECISIONS**



# Beyond CONSORT

# STROBE

## Observational studies



## STROBE Statement

Strengthening the reporting of observational studies in epidemiology



Covers three main observational study designs:

Cohort

Case-control

Cross-sectional

Most important items to report fully and transparently is confounding factors and sources of bias (population characteristics, sample selection etc.) which are better-controlled in RCTs

Use a participant flow diagram

**NB: Documents, checklists and extensions all on EQUATOR site as STROBE website no longer being updated**



Most famous “post-marketing” **case-control study** discovered the likely link between smoking and lung cancer in 1950, and proved it by 1956 with a **cohort study** of 40,000 British Doctors

# RECORD (extension to STROBE)

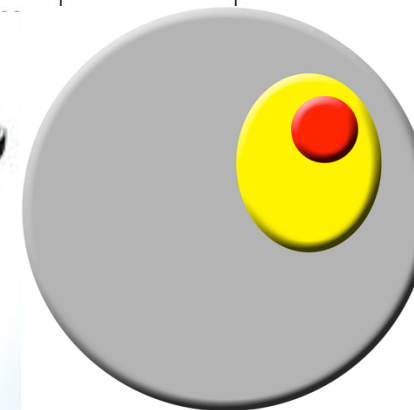
*Observational studies using routinely collected health data*



- health administrative data
- electronic medical record data
- primary care surveillance data
- disease registries
- company registries

The RECORD statement – checklist of items, extended from the STROBE statement, that should be reported in observational studies using routinely collected health data.

	Item No.	STROBE items	Location in manuscript where items are reported	RECORD items	Location in manuscript where items are reported
<b>Title and abstract</b>					
	1	(a) Indicate the study's design with a commonly used term in the title or the abstract (b) Provide in the abstract an informative and balanced		RECORD 1.1: The type of data used should be specified in the title or abstract. When possible, the name of the databases used should be included.	



	Study population
	Database population
	Source population

# CARE

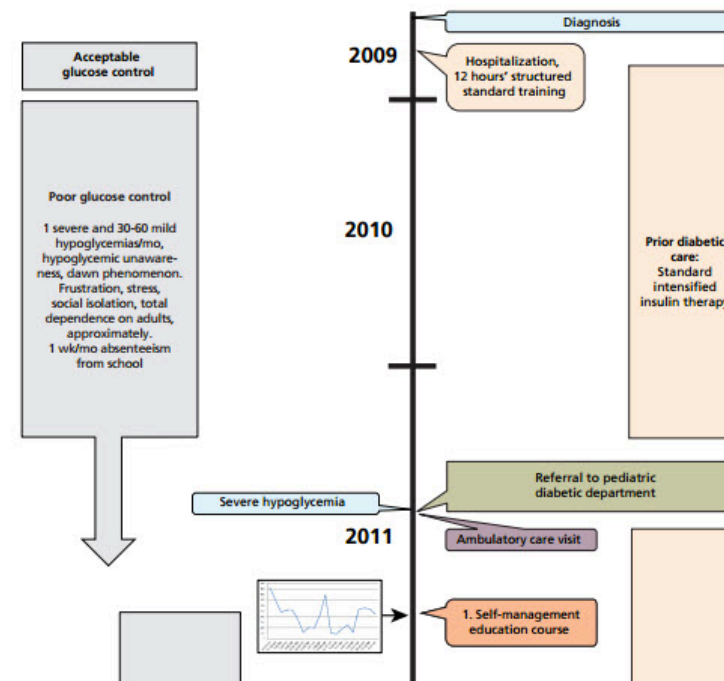
## Generic case reports



CARE Checklist (2013) of information to include when writing a case report



Topic	Item	Checklist item description	Reported on Page
Title	1	The words "case report" should be in the title along with the area of focus	
Key Words	2	2 to 5 key words that identify areas covered in this case report	
Abstract	3a	Introduction—What is unique about this case? What does it add to the medical literature?	
	3b	The main symptoms of the patient and the important clinical findings	
	3c	The main diagnoses, therapeutics interventions, and outcomes	
	3d	Conclusion—What are the main "take-away" lessons from this case?	
Introduction	4	One or two paragraphs summarizing why this case is unique with references	
Patient Information	5a	De-identified demographic information and other patient specific information	
	5b	Main concerns and symptoms of the patient	
	5c	Medical, family, and psychosocial history including relevant genetic information (also see timeline)	
	5d	Relevant past interventions and their outcomes	
Clinical Findings	6	Describe the relevant physical examination (PE) and other significant clinical findings	
Timeline	7	Important information from the patient's history organized as a timeline	
Diagnostic Assessment	8a	Diagnostic methods (such as PE, laboratory testing, imaging, surveys)	
	8b	Diagnostic challenges (such as access, financial, or cultural)	
	8c	Diagnostic reasoning including other diagnoses considered	
	8d	Prognostic characteristics (such as staging in oncology) where applicable	
Therapeutic Intervention	9a	Types of intervention (such as pharmacologic, surgical, preventive, self-care)	
	9b	Administration of intervention (such as dosage, strength, duration)	
	9c	Changes in intervention (with rationale)	
Follow-up and Outcomes	10a	Clinician and patient-assessed outcomes (when appropriate)	
	10b	Important follow-up diagnostic and other test results	
	10c	Intervention adherence and tolerability (How was this assessed?)	
	10d	Adverse and unanticipated events	
Discussion	11a	Discussion of the strengths and limitations in your approach to this case	
	11b	Discussion of the relevant medical literature	
	11c	The rationale for conclusions (including assessment of possible causes)	
	11d	The primary "take-away" lessons of this case report	
Patient Perspective	12	When appropriate the patient should share their perspective on the treatments they received	
Informed Consent	13	Did the patient give informed consent? Please provide if requested	Yes <input type="checkbox"/> No <input type="checkbox"/>





International Society for  
Pharmacoepidemiology



## Adverse event case reports

**PDS** Pharmacoepidemiology  
& Drug Safety

Official Journal of the  
International Society for  
Pharmacoepidemiology



PHARMACOEPIDEMIOLOGY AND DRUG SAFETY 2007; **16**: 581–587  
Published online in Wiley InterScience (www.interscience.wiley.com) DOI: 10.1002/pds.1399

ISPE COMMENTARY

### Guidelines for submitting adverse event reports for publication<sup>†,‡</sup>

William N. Kelly Pharm D, FISPE (Chair)<sup>1\*</sup>, Felix M. Arellano MD, FISPE<sup>2</sup>,  
Joanne Barnes BPharm, PhD, MRPharmS, FLS<sup>3</sup>,  
Ulf Bergman MD, PhD, FISPE, FRCP (Edin) Professor<sup>4</sup>,  
I. Ralph Edwards MB, ChB, MRCS (Lond), FRCP (Lond), FRACP<sup>5</sup>,  
Alina M. Fernandez MD, MPH<sup>6</sup>, Stephen B. Freedman MDCM, MSCI, FRCPC<sup>7</sup>,  
David I. Goldsmith MD, FISPE<sup>8</sup>, Kui Huang PhD, MPH<sup>9</sup>,  
Judith K. Jones MD, PhD, FISPE<sup>10</sup>, Rachel McLeay B Pharm, MPS<sup>11</sup>,  
Nicholas Moore MD, PhD, FRCP (Edin), FISPE<sup>12</sup>, Rosie H. Stather MA<sup>13</sup>,  
Thierry Trenque MD, PhD<sup>14</sup>, William G. Troutman Pharm D, FASHP<sup>15</sup>,  
Eugene van Puijenbroek MD, PhD<sup>16</sup>,  
Frank Williams MS. RPh<sup>17</sup> and Robert P. Wise MD. MPH. FISPE<sup>18</sup>

# RATS, COREQ and SRQR

## *Qualitative studies*



### 2003: RATS guidelines

- Can be accessed via SpringerOpen instructions to authors

### 2007: **CO**nsolidated Criteria for **RE**porting **Q**ualitative Studies

- Focus groups and interviews
- Patient/consumer opinions, priorities, barriers, expectations, needs

### 2014: Standards for **RE**porting **Q**ualitative **RE**search

Generic

Recent examples of reports



Way beyond  
CONSORT

# PRISMA

## Systematic reviews and meta-analyses



PRISMA

TRANSPARENT REPORTING OF SYSTEMATIC REVIEWS AND META-ANALYSES

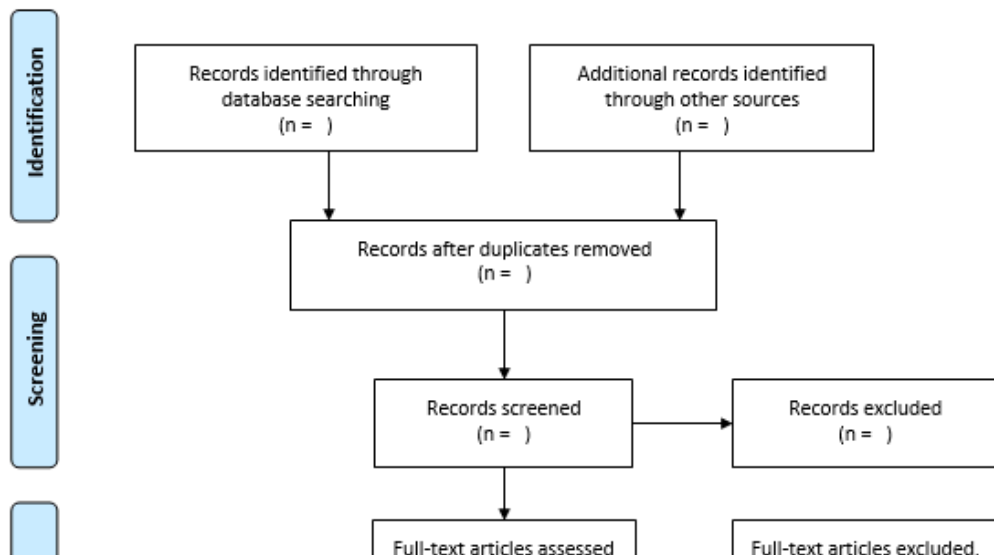


Covers reporting systematic reviews of all health care evaluation study designs

- Includes guidance on reporting
  - Search strategy
  - Protocol (PRISMA-P)
  - Flow diagram
- Endorsed by
  - 200 journals
  - Cochrane
  - Council of Science Editors



PRISMA 2009 Flow Diagram





# RAMESES

## Qualitative (realist) reviews



Wong et al. *BMC Medicine* 2013, **11**:21  
<http://www.biomedcentral.com/1741-7015/11/21>



**GUIDELINE**

**Open Access**

## RAMESES publication standards: realist syntheses

Geoff Wong<sup>1\*</sup>, Trish Greenhalgh<sup>1</sup>, Gill Westhorp<sup>2</sup>, Jeanette Buckingham<sup>3</sup> and Ray Pawson<sup>4</sup>

International Journal of Nursing Studies 47 (2010) 1167–1183



Contents lists available at ScienceDirect  
**International Journal of Nursing Studies**

journal homepage: [www.elsevier.com/ijns](http://www.elsevier.com/ijns)



Review

District nurses' role in palliative care provision: A realist review

Catherine Walshe<sup>\*</sup>, Karen A. Luker

*The School of Nursing, Midwifery and Social Work, Jean McFarlane Building, The University of Manchester, Oxford Road, Manchester, M13 9PL, UK*

ARTICLE INFO

ABSTRACT

**Objectives:** The aim of this review is to construct a detailed account of the role of the district nurse (generalist registered nurse providing nursing care in primarily home settings) in providing palliative care, to determine if and how district nursing care provides effective care to such patients at home, and to examine the utility of a realist review for the above purpose.

**Design:** Realist review of literature.

**Data sources:** Papers in English reporting aspects of the district nurse role in the provision of palliative care are included. Electronic databases (Ovid Medline, Cinnahl, British Nursing Index, Embase, PsycINFO and EBM reviews) were searched, supplemented by citation tracking and grey literature searches.

**Review methods:** Assumptions about district nursing practice with palliative care patients are derived from a range of sources. Reviewed papers are interrogated to support, refute or develop these statements.

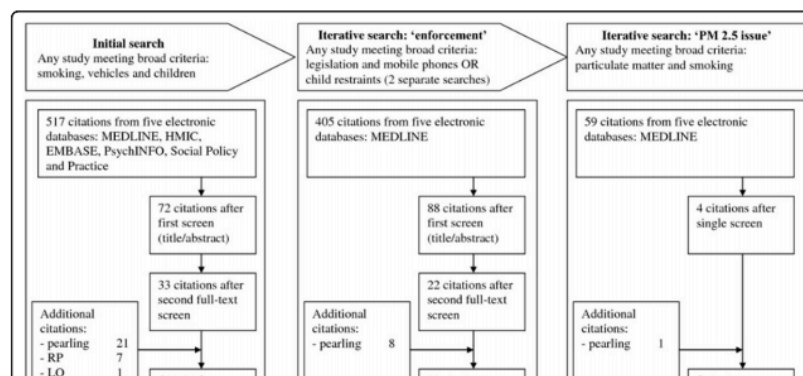
**Results:** Forty six papers employing a range of research methods are incorporated into the review. Studies focus on district nurses, patients, family carers and other professionals and include work from a range of countries. Studies highlight the value district nurses place on palliative care provision, the importance of developing a relationship with patients, and the emotional difficulties of providing such care. District nurses have key skills in providing physical care and in coordinating the work of others, but struggle more with psychological aspects of care. District nurses report feeling undervalued, and express some reluctance to work with other health and social care professionals to provide care.

**Conclusions:** There is little in this synthesis to shed light on the outcomes of care or to explicitly guide practice. District nurses clearly articulate what they consider to be important, but research in this area is limited and needs to undergo a renaissance to examine what is important: namely what district nurses do in practice; what patients and family carers views are on what they do and do not do; and how district nurses can improve care outcomes. The inclusiveness of realist review works well for this field of study.

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**Table 1** List of items to be included when reporting a realist synthesis

TITLE	
1	In the title, identify the document as a realist synthesis or review
ABSTRACT	
2	While acknowledging publication requirements and house style, abstracts should ideally contain brief details of: the study's background, review question or objectives; search strategy; methods of selection, appraisal, analysis and synthesis of sources; main results; and implications for practice.
INTRODUCTION	
3	Rationale for review Explain why the review is needed and what it is likely to contribute to existing understanding of the topic area.
4	Objectives and focus of review State the objective(s) of the review and/or the review question(s). Define and provide a rationale for the focus of the review.
METHODS	
5	Changes in the review process Any changes made to the review process that was initially planned should be briefly described and justified.
6	Rationale for using realist synthesis Explain why realist synthesis was considered the most appropriate method to use.
7	Scoping the literature Describe and justify the initial process of exploratory scoping of the literature.
8	Searching processes While considering specific requirements of the journal or other publication outlet, state and provide a rationale for how the iterative searching was done. Provide details on all the sources accessed for information in the review. Where searching in electronic databases has taken place, the details should include, for example, name of database, search terms, dates of coverage and date last searched. If individuals familiar with the relevant literature and/or topic area were contacted, indicate how they were identified and selected.
9	Selection and appraisal of documents Explain how judgements were made about including and excluding data from documents, and justify these.
10	Data extraction Describe and explain which data or information were extracted from the included documents and justify this selection.
11	Analysis and synthesis processes Describe the analysis and synthesis processes in detail. This section should include information on the constructs analyzed and describe the analytic process.



# In the pipeline...



- StaRI: Standards for Reporting Phase IV implementation studies with a comparator group
- CONSORT extension for stepped wedge cluster randomised trials
- PRISMA Harms - reporting harms in systematic reviews

## Reporting guidelines under development

The following guidelines are currently being developed:

- [PRISMA Harms: improving harms reporting in systematic reviews](#)
- [Guidelines for reporting the impact of patient and public involvement in research](#)
- [REporting Manualised INterventions for Dissemination and Evaluation \(REMINDe\) Statement](#)
- [CONSORT Extension for Social and Psychological Interventions: CONSORT-SPL](#)
- [STROBE checklist for conference abstracts](#)
- [CIRCLe SMT project \(Consensus on Interventions Reporting Criteria List Spinal Manipulative Therapy\)](#)
- [Guideline for reporting evidence based practice educational interventions and teaching \(GREET\) statement](#)
- [Guidelines for the Reporting of Neuro-Epidemiological Studies](#)
- [Developing Standards for Reporting Phase IV Implementation studies \(StaRI\)](#)
- [eMERGe – Meta-ethnography Reporting Guidelines](#)
- [STROBE-Nut: a STROBE extension for Nutrition Epidemiology](#)
- [Preferred Reporting Of Case Series \(PROCESS\) checklist](#)
- [Reporting Items for Guidelines in Health Systems \(Right\)](#)
- [Development of a reporting guideline for pilot and feasibility studies](#)
- [Reporting Guidelines for IDEAL Prospective Development and Prospective Exploration Studies](#)
- [Developing reporting guidelines for single-case experimental designs: the SCRIBE project](#)
- [Checklist for assessing the reporting of the updating methodology in updated guidelines](#)
- [Checklist for the conduct and reporting of micro-costing studies in health care](#)
- [Consort extension to stepped wedge cluster randomised controlled trial](#)
- [CONSORT-equity: Improving the relevance of randomized controlled trials for equity-oriented decisions](#)
- [Development of a reporting guideline for reporting studies on time to diagnosis](#)
- [Consensus on Exercise Reporting Template \(CERT\)](#)

# EQUATOR Library of reporting guidelines



## Search by

- Study type: eg. experimental, observational, qualitative, economic evaluation...
- Clinical area: eg. cardiovascular, oncology, haematology, pharmaceutical medicine...
- Section of report: eg. statistical methods, biospecimen/bioresource information, ethical issues

Or use free text search

**equator**  
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### Search for reporting guidelines

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

Study type  and Clinical area  and Section of report

Or search with free text

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

# Resources for writers of industry sponsored research

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



## Authors

Information and resources for authors

Plus general guidance and training  
opportunities for writers

Writing up your research

Data sharing, reporting data

Additional guidance for industry sponsored research

Ethical guidelines and considerations

Publishers' resources for authors

Reviewing research articles

Communicating research to the media

Training opportunities



Enhancing the **QUALITY** and  
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[Home](#) > [Library](#) > Industry sponsored research – additional guidance

### 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](#) (MPIPI)
- 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, Watson 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](#)
- [European Medical Writers Association](#)
- [International Society for Medical Publication Professionals \(ISMPP\)](#)

# New tools for writers

## *Study design wizard*

[www.peneloperesearch.com/equatorwizard](http://www.peneloperesearch.com/equatorwizard)

### WHICH GUIDELINES ARE RELEVANT TO MY WORK?

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Scientists frequently forget to report details about their study that are important to readers. This can delay publication and stop your work being used, cited or replicated.

To help you, experts have made checklists that set out the most important things other people need to know about your work.


There are different checklists for different types of study design. This tool will help you find the right checklist for your work, or you can search the [EQUATOR library](#) directly.

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## *UK EQUATOR Centre Publication School*

Publication School 2016

27 June-1 July

St Catherine's College, Oxford

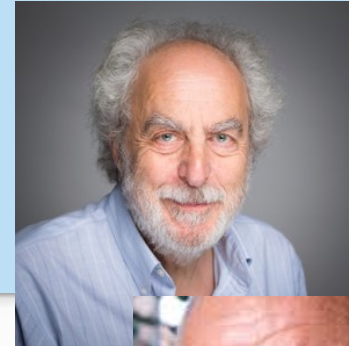
Registration opening soon

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[caroline.struthers@csm.ox.ac.uk](mailto:caroline.struthers@csm.ox.ac.uk)

Class of 2015



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  - everything that was found
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- Reporting guidelines keep systematic reviewers at bay - good for your clients!
- What you write will contribute to the big picture and improve healthcare for all



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- Teaching essential planning, methods & reporting skills needed for robust & usable research

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"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, editors and peer reviewers for guidance on health research reporting and general issues relating to the responsible conduct and reporting of health research."

Professor John Ioannidis

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# Thank you! Any questions?

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