

## REPORTING GUIDELINES

# Presented by Professor Nathorn Chaiyakunapruk School of Pharmacy Monash University Malaysia

## Enhancing the QAUAlity and Transpaency Of health Research (EQUATOR)

- The EQUATOR (Enhancing the QUAlity and Transparency Of health Research) Network is an international initiative that seeks to improve the reliability and value of published health research literature by promoting transparent and accurate reporting and wider use of robust reporting guidelines.
- It is the first coordinated attempt to tackle the problems of inadequate reporting systematically and on a global scale; it advances the work done by individual groups over the last 15 years.
- Several Journals have adopted the use of "reporting guidelines" as a requirement of their manuscript submission

## **Reporting Guidelines**

Reporting gu study types	idelines	s for mai	n
Randomised trials	CONSORT	Extensions	<u>Other</u>
Observational studies	STROBE	Extensions	<u>Other</u>
Systematic reviews	PRISMA	<u>Extensions</u>	<u>Other</u>
Case reports	CARE		<u>Other</u>
Qualitative research	SRQR	COREQ	Other
Diagnostic / prognostic studies	STARD	TRIPOD	Other
Quality improvement studies	SQUIRE		Other
Economic evaluations	CHEERS		Other
Animal pre-clinical studies	<u>ARRIVE</u>		<u>Other</u>
Study protocols	SPIRIT	PRISMA-P	Other
See all 322 reporting guidelines			

#### **PRISMA Statement**

Tokir J. Checklist of Ber	ms to Inc	lude When Reporting a Systematic Review or Meta-Analysis	
Section/Topic	ton e	Checkflat Rore	Reported or Page #
TITLE			
Title	- 3	Identify the report as a systematic review, meta-analysis, or both.	
ABSTRACT			
Sinutured summary	2	Provide a structured summary including, as applicable background, objections, data neurose, study, signibity criteria, participants, and interventions; fusely appealed and synthesis methods, results, lendatons; conclusions and implications of key findings; systematic enview negativation number.	
INTRODUCTION			
Rationale	1	Describe the nationale for the review in the context of what is already linears.	
Oligentives	.4	Provide an explicit statement of questions being addressed with reference to participants, interventions, comparisons, autocones, and study design (PICOSI	
METHODS			
Protocol and registration		indicate if a review protects exists, if and where if can be accreted (e.g., Web address), and, if available, provide registration information including registration number.	
Eligibility criteria		Specify study characteristics (e.g., PICOS, length of Tollow-up) and report characteristics (e.g., years considered, language, publication status) used as offerta for eligibility, going rationale.	
Information sources	9	Describe all referration sources in g., databases with dates of coverage, contact with study authors to identify authored studies) to the wanth and date last searchest.	
Search	*	Present full electronic search strategy for at least one database, including any limits used, such that it could be repeated.	
Study selection	*	State the process for selecting statles if a, acreening, eligibility, included in systematic review, and, if applicable, included in the meta-analysis).	
Data collection process	- 10	Describe method of data extraction from reports (e.g., piloted forms, independently, in duplicate) and any processes for obtaining and confirming data from investigators.	
Data terre	. 33	List and define all variables for which data were sought to g., PCOS, funding sourcest and any sourreprises and simplifications made.	
Risk of teas to mobilities studies	12	Clearable methods used for assessing risk of lists of individual studies (including sporthustion of whether this was done at the study or outcome level), and how this information is to be used in any data synthese.	
Summary measures	13	State the principal summary measures in g., into ratio, difference to means).	
Synthesis of results	- 54	Describe the methods of handling data and combining results of studies, if done, including measures of combining (e.g., 1") for each mela-analysis.	
Nills of tass across studies	15	Specify any assessment of risk of bias that may affect the consulative evalence (e.g., publication lines, solution reporting within studied.	
Additional enalyses	14.	Clescribis methods of additional analyses in g., sensitivity or subgroup analyses, meta-segmentent, if danc, indicating which were pre-specified.	

#### **CHEERS Statement**

VALUE IN MEASTH OF EDUCES HITCH



Available online at www.sciencedirect.com
SciVerse ScienceDirect



#### ACADEMIA AND CLINIC

#### **Annals of Internal Medicine**

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

David Moher, PhD; Alessandro Liberati, MD, DrPH; Jennifer Tetzlaff, BSc; Douglas G, Altman, DSc; and the PRISMA Group\*

David Moher, PhD<sup>7</sup>, Dan Greenbeng, PhD<sup>1,5</sup>, Federico Augustovski, MD, MSc, PhD<sup>0,31</sup>, Andrew H. Briggs, MSc (York), MSc (Oxon), DPhil (Oxon)<sup>12</sup>, Josephine Mauskopf, PhD<sup>1,5</sup>, Elizabeth Loder, MD, MPH<sup>1,6</sup>, on behalf of the CHEERS Task Force

Therefore of Health Euromove, Edwards, Canada, "Department of Epidemiology and Community Medicine. University of Ottowa, Ottowa, ON, Canada, "Edwards for Health Euromove, Medical Information and Technology, Rull in Tirol, Assertia, "Centre for Health Euromove, University of State, Health Spanne, York, UE, "Merwick Medical School, Orderesity of Warnick, Coveriny, UK, "Harmanemoversics, Adai International, Assistant, New Zeologo, "Critical Epidemiology, Pragram, Ottowa Health Euromove, Health Europe, Covering, UK, "Harmanemoversics, Adai International, Assistant, New Zeologo, "Critical Epidemiology, Pragram, Ottowa Harping, Cover, Councilla, "Recording of Health Enternational, Assistant, New Zeologo, "Critical Epidemiology Pragram, Ottowa, Harping, Telephone, Harping, Telephone, Harping, Telephone, Harping, Telephone, Ma, USA, "Health Encountries and Technology Assessment, Partition for Clinical Epidemions and Halb Policy (ECQ), Summa Airea, Argentine, "Online and Market Schallen, Augustine," "Entition of Health in Multileng, University of Chapma, Glosgow, Scotland, "ET Health Schalines, Research Triangle Park, NC, USA, "Sightees and Women's Hassiber Neurology, Facilities Hageling, Booton, MA, USA."

# The Consolidated Health Economic Evaluation Reporting Standards (CHEERS) statement

- Published articles on economic evaluations are increasing
- Reporting guidelines are not widely adopted
- CHEERS attempts to consolidate and update previous health economic evaluation guidelines into one current, useful reporting guidance
- CHEERS provides recommendations in a checklist to optimize reporting of health economic evaluations
- · CHEERS checklist consists of 24 items

#### **CHEERS Checklist**

Section/item		Item no.	Recommendation			Repor page n n		
Title and abstract								
Title		terms su	Identify the study as an economic evaluation, or use more specific terms such as "cost-effectiveness analysis" and describe the interventions compared.					
Abstract		methods	<ol> <li>Provide a structured summary of objectives, perspective, setting, methods (including study design and inputs), results (including base-case and uncertainty analyses), and conclusions.</li> </ol>					
Introduction								
Background and objective			study	t statement of the broader question and its relevance				
Methods		Name and otherine of	10	Name of the last o				
Treper population and subgroups forting and humitor	*	printing managed and core	The .	that) passinger	*	Discussion Study findings, limitations,	22	
Study prospertine				Secretarial costs and outcomes	:38	generalizability, and current knowledge		
Gregoross	7		386			Other		
Time felicion	*			Openionisting secondary	204	Source of funding	23	
Discovert rate		Corney, year day, and	-36	//24/41/10/10/05/10/10/10				
12 also of health naturales	-10	CHIPPED.				Conflicts of interest	24	
Movement of effectiveness	Tin.	Choice of studed	35		300			

## **Experiences in reviewing articles**

- Manuscripts following PRISMA or CHEERS are generally of higher quality and easy for reviewing process
- It is encouraged that manuscripts submitted to VIH-RI follow the reporting guidelines