

RESEARCH METHODS & REPORTING

Tables

Table 1 | Standards for Reporting Implementation Studies: the StaRI Checklist of items to be reported

Checklist item	Implementation strategy	Intervention†
Title	1 Identification as an implementation study, and description of the methodology in the title and/or keywords	
Abstract	2 Identification as an implementation study, including a description of the implementation strategy to be tested, the evidence-based intervention being implemented, and defining the key implementation and health outcomes	
Introduction	3 Description of the problem, challenge, or deficiency in healthcare or public health that the intervention being implemented aims to address	
	4 The scientific background and rationale for the implementation strategy (including any underpinning theory, framework, or model, how it is expected to achieve its effects, and any pilot work)	The scientific background and rationale for the intervention being implemented (including evidence about its effectiveness and how it is expected to achieve its effects)
Aims and objectives	5 The aims of the study, differentiating between implementation objectives and any intervention objectives	
Methods: description	6 The design and key features of the evaluation (cross referencing to any appropriate methodology reporting standards) and any changes to study protocol, with reasons	
	7 The context in which the intervention was implemented (consider social, economic, policy, healthcare, organisational barriers and facilitators that might influence implementation elsewhere)	
	8 The characteristics of the targeted "site(s)" (locations, personnel, resources, etc) for implementation and any eligibility criteria	The population targeted by the intervention and any eligibility criteria
	9 A description of the implementation strategy	A description of the intervention
	N/A 10 Any subgroups recruited for additional research tasks, and/or nested studies are described	
Methods: evaluation	11 Defined pre-specified primary and other outcome(s) of the implementation strategy, and how they were assessed. Document any pre-determined targets	Defined pre-specified primary and other outcome(s) of the intervention (if assessed), and how they were assessed. Document any pre-determined targets
	12 Process evaluation objectives and outcomes related to the mechanism(s) through which the strategy is expected to work	
	13 Methods for resource use, costs, economic outcomes, and analysis for the implementation strategy	Methods for resource use, costs, economic outcomes, and analysis for the intervention
	14 Rationale for sample sizes (including sample size calculations, budgetary constraints, practical considerations, data saturation, as appropriate)	
	15 Methods of analysis (with reasons for that choice)	
	N/A 16 Any a priori subgroup analyses (such as between different sites in a multicentre study, different clinical or demographic populations) and subgroups recruited to specific nested research tasks	
Results	17 Proportion recruited and characteristics of the recipient population for the implementation strategy	Proportion recruited and characteristics (if appropriate) of the recipient population for the intervention
	18 Primary and other outcome(s) of the implementation strategy	Primary and other outcome(s) of the intervention (if assessed)
	19 Process data related to the implementation strategy mapped to the mechanism by which the strategy is expected to work	
	20 Resource use, costs, economic outcomes, and analysis for the implementation strategy	Resource use, costs, economic outcomes, and analysis for the intervention
	N/A 21 Representativeness and outcomes of subgroups including those recruited to specific research tasks	
	22 Fidelity to implementation strategy as planned and adaptation to suit context and preferences	Fidelity to delivering the core components of intervention (where measured)
	23 Contextual changes (if any) which may have affected outcomes	
	24 All important harms or unintended effects in each group	
Discussion	25 Summary of findings, strengths and limitations, comparisons with other studies, conclusions and implications	
	26 Discussion of policy, practice and/or research implications of the implementation strategy (specifically including scalability)	Discussion of policy, practice and/or research implications of the intervention (specifically including sustainability)
General	27 Include statement(s) on regulatory approvals (including, as appropriate, ethical approval, confidential use of routine data, governance approval), trial or study registration (availability of protocol), funding, and conflicts of interest	

*Implementation strategy refers to how the intervention was implemented.

†Intervention refers to the healthcare or public health intervention that is being implemented.

Table 1 (continued)

Checklist item	Implementation strategy	Intervention†
<p>Note: A key concept is the dual strands of describing (a) the implementation strategy and (b) the clinical, healthcare, or public health intervention that is being implemented. These strands are represented as two columns in the checklist. The primary focus of implementation science is the implementation strategy (column 1) and the expectation is that this will always be completed. The evidence about the impact of the intervention on the targeted population should always be considered (column 2) and either health outcomes reported or robust evidence cited to support a known beneficial effect of the intervention on the health of individuals or populations. While all items are worthy of consideration, not all items will be applicable to or feasible within every study.</p>		