## Standards for Reporting Implementation Studies: the StaRI checklist for completion

The StaRI standard should be referenced as: Pinnock H, Barwick M, Carpenter C, Eldridge S, Grandes G, Griffiths CJ, Rycroft-Malone J, Meissner P, Murray E, Patel A, Sheikh A, Taylor SJC for the StaRI Group. Standards for Reporting Implementation Studies (StaRI) statement. *BMJ* 2017;356:i6795

The detailed Explanation and Elaboration document, which provides the rationale and exemplar text for all these items is: Pinnock H, Barwick M, Carpenter C, Eldridge S, Grandes G, Griffiths C, Rycroft-Malone J, Meissner P, Murray E, Patel A, Sheikh A, Taylor S, for the StaRI group. Standards for Reporting Implementation Studies (StaRI). Explanation and Elaboration document. *BMJ Open* 2017 2017;7:e013318

Notes: A key concept of the StaRI standards is the dual strands of describing, on the one hand, the implementation strategy and, on the other, 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.

The StaRI standardsrefers to the broad range of study designs employed in implementation science. Authors should refer to other reporting standards for advice on reporting specific methodological features. Conversely, whilst all items are worthy of consideration, not all items will be applicable to, or feasible within every study.

		Reported		Reported			
Checklist item		on page #	Implementation Strategy	on page #	Intervention		
			"Implementation strategy" refers to how the		"Intervention" refers to the healthcare or public health		
			intervention was implemented		intervention that is being implemented.		
Title and abstract							
Title	1	1	Identification as an implementation study, and description of the methodology in the title and/or keywords				
Abstract	2	3	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							
Introduction	3	4	Description of the problem, challenge or deficiency in healthcare or public health that the intervention being implemented aims				
			to address.				
Rationale	4	6	The scientific background and rationale for the	6	The scientific background and rationale for the		
			implementation strategy (including any underpinning		intervention being implemented (including evidence		



			theory/framework/model, how it is expected to achieve		about its effectiveness and how it is expected to			
			its effects and any pilot work).		achieve its effects).			
Aims and	5	6	The aims of the study, differentiating between implementation objectives and any intervention objectives.					
objectives								
Methods: descr	iption							
Design	6	5						
		changes to study protocol, with reasons						
Context	7	7	The context in which the intervention was implemented. (Consider social, economic, policy, healthcare, organisational barriers					
			and facilitators that might	and facilitators that might influence implementation elsewhere).				
Targeted	8	7	The characteristics of the targeted 'site(s)' (e.g	7	The population targeted by the intervention and any			
'sites'			locations/personnel/resources etc.) for implementation		eligibility criteria.			
			and any eligibility criteria.					
Description	9	5	A description of the implementation strategy	5	A description of the intervention			
Sub-groups	10	N/A	Any sub-groups recruited for additional research tasks, and/or nested studies are described					
Methods: evalu	ation	-		1	L			
Outcomes	11	8	Defined pre-specified primary and other outcome(s) of	8	Defined pre-specified primary and other outcome(s) of			
			the implementation strategy, and how they were		the intervention (if assessed), and how they were			
			assessed. Document any pre-determined targets		assessed. Document any pre-determined targets			
Process	12	8	Process evaluation objectives and outcomes related to the mechanism by which the strategy is expected to work					
evaluation								
Economic	13	N/A	Methods for resource use, costs, economic outcomes	N/A	Methods for resource use, costs, economic outcomes			
evaluation			and analysis for the implementation strategy		and analysis for the intervention			
Sample size	14	7	Rationale for sample sizes (including sample size calculations, budgetary constraints, practical considerations, data saturation, as					
			appropriate)					
Analysis	15	8	Methods of analysis (with reasons for that choice)					
Sub-group	16	N/A	Any a priori sub-group analyses (e.g. between different sites in a multicentre study, different clinical or demographic populations), and sub-groups recruited to specific nested research tasks					

Results						
Characteristics	17	7	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	
Outcomes	18	8	Primary and other outcome(s) of the implementation strategy		Primary and other outcome(s) of the Intervention (if assessed)	
Process outcomes	19	8	Process data related to the implementation strategy mapped to the mechanism by which the strategy is expected to work			
Economic evaluation	20	N/A	Resource use, costs, economic outcomes and analysis for the implementation strategy	N/A	Resource use, costs, economic outcomes and analysis for the intervention	
Sub-group analyses	21	N/A	Representativeness and outcomes of subgroups including those recruited to specific research tasks			
Fidelity/ adaptation	22	N/A	Fidelity to implementation strategy as planned and adaptation to suit context and preferences	N/A	Fidelity to delivering the core components of intervention (where measured)	
Contextual changes	23	N/A	Contextual changes (if any) which may have affected outcomes			
Harms	24	N/A	All important harms or unintended effects in each group			
Discussion	<u> </u>	I				
Structured discussion	25	19	Summary of findings, strengths and limitations, comparisons with other studies, conclusions and implications			
Implications	26	18	Discussion of policy, practice and/or research implications of the implementation strategy (specifically including scalability)	18	Discussion of policy, practice and/or research implications of the intervention (specifically including sustainability)	
General						
Statements	27	21	Include statement(s) on regulatory approvals (including, as appropriate, ethical approval, confidential use of routine data, governance approval), trial/study registration (availability of protocol), funding and conflicts of interest			