

Reporting checklist for quality improvement study.

Based on the SQUIRE guidelines.

Instructions to authors

Complete this checklist by entering the page numbers from your manuscript where readers will find each of the items listed below.

Your article may not currently address all the items on the checklist. Please modify your text to include the missing information. If you are certain that an item does not apply, please write "n/a" and provide a short explanation.

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In your methods section, say that you used the SQUIRE reporting guidelines, and cite them as:

Ogrinc G, Davies L, Goodman D, Batalden P, Davidoff F, Stevens D. SQUIRE 2.0 (Standards for QQuality Improvement Reporting Excellence): revised publication guidelines from a detailed consensus process

	Reporting Item	Page Number
Title		
	#1 Indicate that the manuscript concerns an initiative to improve healthcare (broadly defined to include the quality, safety, effectiveness, patientcenteredness, timeliness, cost, efficiency, and equity of healthcare)	1
Abstract		
	#02a Provide adequate information to aid in searching and indexing	4-5
	#02b Summarize all key information from various sections of the text using the abstract format of the intended publication or a structured summary such as: background, local problem, methods, interventions, results, conclusions	4-5
Introduction		

Problem description	<u>#3</u>	Nature and significance of the local problem	6-7
Available knowledge	<u>#4</u>	Summary of what is currently known about the problem, including relevant previous studies	6-7
Rationale	<u>#5</u>	Informal or formal frameworks, models, concepts, and / or theories used to explain the problem, any reasons or assumptions that were used to develop the intervention(s), and reasons why the intervention(s) was expected to work	7
Specific aims	<u>#6</u>	Purpose of the project and of this report	7
Methods			
Context	<u>#7</u>	Contextual elements considered important at the outset of introducing the intervention(s)	8-9
Intervention(s)	<u>#08a</u>	Description of the intervention(s) in sufficient detail that others could reproduce it	9-11
Intervention(s)	<u>#08b</u>	Specifics of the team involved in the work	8-11
Study of the Intervention(s)	<u>#09a</u>	Approach chosen for assessing the impact of the intervention(s)	9-11
Study of the Intervention(s)	<u>#09b</u>	Approach used to establish whether the observed outcomes were due to the intervention(s)	11-12
Measures	<u>#10a</u>	Measures chosen for studying processes and outcomes of the intervention(s), including rationale for choosing them, their operational definitions, and their validity and reliability	11-12
Measures	<u>#10b</u>	Description of the approach to the ongoing assessment of contextual elements that contributed to the success, failure, efficiency, and cost	11-12
Measures	<u>#10c</u>	Methods employed for assessing completeness and accuracy of data	11-12
Analysis	<u>#11a</u>	Qualitative and quantitative methods used to draw inferences from the data	11-12
Analysis	<u>#11b</u>	Methods for understanding variation within the data, including the effects of time as a variable	11-12

Ethical considerations	#12	Ethical aspects of implementing and studying the intervention(s) and how they were addressed, including, but not limited to, formal ethics review and potential conflict(s) of interest	8
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Results

	#13a	Initial steps of the intervention(s) and their evolution over time (e.g., time-line diagram, flow chart, or table), including modifications made to the intervention during the project	13-14
	#13b	Details of the process measures and outcome	13-14, 21-22, 26
	#13c	Contextual elements that interacted with the intervention(s)	13-14, 21-26
	#13d	Observed associations between outcomes, interventions, and relevant contextual elements	13-14
	#13e	Unintended consequences such as unexpected benefits, problems, failures, or costs associated with the intervention(s).	13-14
	#13f	Details about missing data	n/a

Discussion

Summary	#14a	Key findings, including relevance to the rationale and specific aims	15-17
Summary	#14b	Particular strengths of the project	15-17
Interpretation	#15a	Nature of the association between the intervention(s) and the outcomes	15-17
Interpretation	#15b	Comparison of results with findings from other publications	15-17
Interpretation	#15c	Impact of the project on people and systems	15-17
Interpretation	#15d	Reasons for any differences between observed and anticipated outcomes, including the influence of context	15-17
Interpretation	#15e	Costs and strategic trade-offs, including opportunity costs	15-17
Limitations	#16a	Limits to the generalizability of the work	16-17

Limitations	#16b	Factors that might have limited internal validity such as confounding, bias, or imprecision in the design, methods, measurement, or analysis	16-17
Limitations	#16c	Efforts made to minimize and adjust for limitations	16-17
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Conclusion	#17d	Implications for practice and for further study in the field	17
Conclusion	#17e	Suggested next steps	17

Other information

Funding	#18	Sources of funding that supported this work. Role, if any, of the funding organization in the design, implementation, interpretation, and reporting	n/a
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Notes:

- 13b: 13-14, 21-22, 26
- 13c: 13-14, 21-26 The SQUIRE 2.0 checklist is distributed under the terms of the Creative Commons Attribution License CC BY-NC 4.0. This checklist was completed on 27. June 2020 using <https://www.goodreports.org/>, a tool made by the [EQUATOR Network](#) in collaboration with [Penelope.ai](#)