

Table 1 | GRIPP2 long form

Section and topic	Item	Reported on page No
Section 1: Abstract of paper		
1a: Aim	Report the aim of the study	2
1b: Methods	Describe the methods used by which patients and the public were involved	2
1c: Results	Report the impacts and outcomes of PPI in the study	2
1d: Conclusions	Summarise the main conclusions of the study	2
1e: Keywords	Include PPI, "patient and public involvement," or alternative terms as keywords	2
Section 2: Background to paper		
2a: Definition	Report the definition of PPI used in the study and how it links to comparable studies	4-5
2b: Theoretical underpinnings	Report the theoretical rationale and any theoretical influences relating to PPI in the study	4-5
2c: Concepts and theory development	Report any conceptual models or influences used in the study	4-5
Section 3: Aims of paper		
3: Aim	Report the aim of the study	4
Section 4: Methods of paper		
4a: Design	Provide a clear description of methods by which patients and the public were involved	6
4b: People involved	Provide a description of patients, carers, and the public involved with the PPI activity in the study	8-9
4c: Stages of involvement	Report on how PPI is used at different stages of the study	9-12
4d: Level or nature of involvement	Report the level or nature of PPI used at various stages of the study	13
Section 5: Capture or measurement of PPI impact		
5a: Qualitative evidence of impact	If applicable, report the methods used to qualitatively explore the impact of PPI in the study	13-14
5b: Quantitative evidence of impact	If applicable, report the methods used to quantitatively measure or assess the impact of PPI	13-14
5c: Robustness of measure	If applicable, report the rigour of the method used to capture or measure the impact of PPI	13-14
Section 6: Economic assessment		
6: Economic assessment	If applicable, report the method used for an economic assessment of PPI	Not applicable
Section 7: Study results		
7a: Outcomes of PPI	Report the results of PPI in the study, including both positive and negative outcomes	14-16
7b: Impacts of PPI	Report the positive and negative impacts that PPI has had on the research, the individuals involved (including patients and researchers), and wider impacts	17-21
7c: Context of PPI	Report the influence of any contextual factors that enabled or hindered the process or impact of PPI	Not applicable
7d: Process of PPI	Report the influence of any process factors, that enabled or hindered the impact of PPI	Not applicable
7e: Theory development	Report any conceptual or theoretical development in PPI that have emerged	Not applicable
7eii: Theory development	Report testing of theoretical models, if any	Not applicable
7f: Measurement	If applicable, report all aspects of instrument development and testing (eg, validity, reliability, feasibility, acceptability, responsiveness, interpretability, appropriateness, precision)	Not applicable
7g: Economic assessment	Report any information on the costs or benefit of PPI	Not applicable
Section 8: Discussion and conclusions		
8a: Outcomes	Comment on how PPI influenced the study overall. Describe positive and negative effects	Not applicable
8b: Impacts	Comment on the different impacts of PPI identified in this study and how they contribute to new knowledge	21-23
8c: Definition	Comment on the definition of PPI used (reported in the Background section) and whether or not you would suggest any changes	23-24
8d: Theoretical underpinnings	Comment on any way your study adds to the theoretical development of PPI	23-24
8e: Context	Comment on how context factors influenced PPI in the study	24-25
8f: Process	Comment on how process factors influenced PPI in the study	26-28
8g: Measurement and capture of PPI impact	If applicable, comment on how well PPI impact was evaluated or measured in the study	23
8h: Economic assessment	If applicable, discuss any aspects of the economic cost or benefit of PPI, particularly any suggestions for future economic modelling.	28
8i: Reflections/critical perspective	Comment critically on the study, reflecting on the things that went well and those that did not, so that others can learn from this study	28-29

PPI=patient and public involvement

Table 2 | GRIPP2 short form

Section and topic	Item	Reported on page No
1: Aim	Report the aim of PPI in the study	
2: Methods	Provide a clear description of the methods used for PPI in the study	
3: Study results	Outcomes—Report the results of PPI in the study, including both positive and negative outcomes	
4: Discussion and conclusions	Outcomes—Comment on the extent to which PPI influenced the study overall. Describe positive and negative effects	
5: Reflections/critical perspective	Comment critically on the study, reflecting on the things that went well and those that did not, so others can learn from this experience	

PPI=patient and public involvement

gained a median score of 9 in round two. Thus all five were included in round three and again gained median scores of 9, indicating that consensus was reached on the short form version.

Qualitative comments were analysed thematically to identify common themes, points of feedback, challenges to the items, and queries about wording.¹⁸ Qualitative comments suggested the need to reword some items