

### Appendix 3: Results of the Delphi survey for GRIPP2 Long form

Median scores are presented. Interquartile ranges were small for all items.

√ = Consensus gained

Section and Topic	Item	Round 1 Median Scores (IQR)	Round 2 Median Scores (IQR)	Round 3 Median Scores (IQR)
<b>Section 1: Abstract of Paper</b>				
1a. Aims	Report the aim of the study relating to PPI	8.0 (7.0, 8.0)	9.0 (8.0, 9.0)	√
1b. Methods	Describe the PPI methods used in the study	9.0 (8.0, 9.0)	9.0 (9.0, 9.0)	√
1c. Results	Report the impacts and outcomes of PPI in the study	8.0 (7.0, 8.0)	9.0 (8.0, 9.0)	√
1d. Conclusions	Summarise the main conclusions relating to PPI in the study	9.0 (8.0, 9.0)	9.0 (9.0, 9.0)	√
1e. Keywords	Include PPI , 'patient and public involvement' or alternative terms as keywords	8.0 (8.0, 8.0)	9.0 (8.0, 9.0)	√
<b>Section 2: Background to Paper</b>				
2a Definition	Report the definition of PPI used in the study, including any rationale	9.0	9.0	√

		(7.0, 10.0)	(8.0, 9.0)	
<b>2b. Definition</b>	<b>Report how your definition links to those provided by other comparable studies</b>	<b>8.0</b> (7.0, 8.0)	<b>7.0</b> (7.0, 7.0)	<b>7.0</b> (7.0, 7.0)
<b>2c. Concepts and theory development</b>	<b>Report the way in which PPI is being conceptualised</b>	<b>8.0</b> (7.0, 8.0)	<b>7.0</b> (6.0, 7.0)	<b>7.0</b> (7.0, 7.0)
<b>2d. Concepts and theory development</b>	<b>Report any conceptual or theoretical models, or influences, used in the study</b>	<b>8.0</b> (7.0, 8.0)	<b>7.0</b> (6.0, 7.0)	<b>7.0</b> (7.0, 7.0)
<b>Section 3: Aims of Paper</b>				
<b>3. Aims</b>	<b>Report the aim of PPI in the study</b>	<b>9.0</b> (9.0, 9.0)	<b>9.0</b> (9.0, 9.0)	<b>√</b>
<b>Section 4: Methods of Paper</b>				
<b>4a. Design</b>	<b>Provide a clear description of methods used for PPI in the study</b>	<b>10.0</b> (9.0, 10.0)	<b>10.0</b> (9.0, 10.0)	<b>√</b>
<b>4b. Population</b>	<b>Provide a description of patients, carers and the public involved with the PPI activity in the study</b>	<b>8.0</b> (7.0, 8.0)	<b>8.0</b> (7.0, 8.0)	<b>√</b>

Section and Topic	Item	Round 1 Median Scores (IQR)	Round 2 Median Scores (IQR)	Round 3 Median Scores (IQR)
4c Stages of involvement	Report on how PPI is used at different stages of the study (e.g. Identifying and prioritising research ideas, designing and managing research, undertaking the research, and dissemination and implementation of research)	8.0 (7.0, 8.0)	9.0 (8.0, 9.0)	√
4d. Level or nature of involvement	Report the level or nature of PPI used at various stages of the study (eg. some people aim for a collaborative approach)	9.0 (8.0, 9.0)	8.0 (8.0, 8.0)	√
<b>Section 5: Capture or measurement of PPI impact</b>				
5a. Qualitative evidence of impact	If applicable, report the method used to qualitatively capture the impact of PPI in the study	9.0 (8.0, 9.0)	9.0 (8.0, 9.0)	√
5b. Quantitative evidence of impact	If applicable, report the method used to quantitatively measure or assess the impact of PPI	8.0 (7.0, 8.0)	8.0 (7.0, 8.0)	√
5c. Robustness of measure	If applicable, report the robustness of the method used to capture or measure the impact of PPI	8.0 (7.0, 8.0)	8.0 (7.0, 8.0)	√
<b>Section 6: Economic Assessment</b>				
6. Economic Assessment	If applicable, report the method used for an economic assessment of PPI	7.0 (6.0, 7.0)	7.0 (6.0, 7.0)	7.0 (6.0, 7.0)
<b>Section 7: Study Results</b>				

<b>7a. Outcomes of PPI</b>	<b>Report the results of PPI in the study, including both positive and negative outcomes</b>	<b>10.0</b> <b>(10.0, 10.0)</b>	<b>10.0</b> <b>(10.0, 10.0)</b>	<b>√</b>
<b>7b. Impacts of PPI</b>	<b>Report the specific impacts that PPI has had on the research, the individuals involved (including patients and researchers), and on communities, including both positive and negative impacts</b>	<b>9.0</b> <b>(8.0, 9.0)</b>	<b>9.0</b> <b>(8.0, 9.0)</b>	<b>√</b>
<b>7c. Context of PPI</b>	<b>Report the influence of any contextual factors (e.g. availability of funding, policy) that enabled or hindered the impact of PPI</b>	<b>9.0</b> <b>(8.0, 9.0)</b>	<b>9.0</b> <b>(8.0, 9.0)</b>	<b>√</b>
<b>7d. Process of PPI</b>	<b>Report the influence of any process factors (e.g. how users were involved), that enabled or hindered the impact of PPI</b>	<b>8.0</b> <b>(7.0, 8.0)</b>	<b>8.0</b> <b>(7.0, 8.0)</b>	<b>√</b>
<b>7e. Concept and theory development</b>	<b>i) Report any key conceptual or theoretical developments in PPI that have emerged from the study</b>	<b>8.0</b> <b>(7.0, 8.0)</b>	<b>8.0</b> <b>(7.0, 8.0)</b>	<b>√</b>
	<b>ii) If applicable, report any testing of conceptual or theoretical models</b>	<b>8.0</b> <b>(7.0, 8.0)</b>	<b>7.0</b> <b>(7.0, 7.0)</b>	<b>7.0</b> <b>(7.0, 7.0)</b>

Section and Topic	Item	Round 1 Median Scores (IQR)	Round 2 Median Scores (IQR)	Round 3 Median Scores (IQR)
7f Measurement	If applicable, report all aspects of instrument development and testing (e.g. validity, reliability, feasibility, acceptability, responsiveness, interpretability, appropriateness, precision)	8.0 (7.0, 8.0)	8.0 (7.0, 8.0)	√
7g. Economic assessment	Report any information on the economic cost or benefit of PPI	8.0 (7.0, 8.0)	8.0 (7.0, 8.0)	√
<b>Section 8: Discussion and Conclusions</b>				
8a. Outcomes	Comment on the extent to which PPI influenced the study overall. Describe positive and negative effects	9.0 (8.0, 9.0)	9.0 (8.0, 9.0)	√
8b. Impacts	Comment on the different impacts identified in this study and how they contribute to the new knowledge	9.0 (8.0, 9.0)	9.0 (8.0, 9.0)	√
8c. Definition	Comment on the definition of PPI used in the study and whether you would suggest any changes	7.0 (6.0, 7.0)	7.0 (6.0, 7.0)	7.0 (6.0, 7.0)
8d. Conceptual development and theory development	Comment on how this study adds to conceptual or theoretical development of PPI	8.0 (7.0, 8.0)	7.0 (7.0, 7.0)	7.0 (7.0, 7.0)
8e. Context and process	Comment on how context and process factors influenced PPI in the study	8.0	8.0	√

		(7.0, 8.0)	(7.0, 8.0)	
<b>8f. Measurement and capture of PPI impact</b>	<b>If applicable, comment on how well PPI impact was captured or measured in the study</b>	<b>8.0</b> <b>(7.0, 8.0)</b>	<b>8.0</b> <b>(7.0, 8.0)</b>	<b>√</b>
<b>8g. Economic information</b>	<b>If applicable, discuss any aspects of economic cost or benefit of PPI, particularly any suggestions for future economic modelling.</b>	<b>8.0</b> <b>(7.0, 8.0)</b>	<b>8.0</b> <b>(7.0, 8.0)</b>	<b>√</b>
<b>8h. Critical perspective</b>	<b>Comment critically on the study, reflecting on the things that went well and those that did not, so others can learn from this experience</b>	<b>10.0</b> <b>(9.0, 10.0)</b>	<b>8.0</b> <b>(8.0, 9.0)</b>	<b>√</b>