

## APPENDIX

Appendix Table 1. Bespoke grading system to illustrate where consensus was achieved in the Delphi Round 1 for reviewed domains.

Grade	Level of agreement between panel	Decision rule
<b>A **</b>	If in both panels the median rating is 9	Include domain in Round 2
<b>A*</b>	If in both panels $\geq 70\%$ rate a domain $\geq 7$	Include domain in Round 2
<b>A</b>	If in both panels the median domain rating is $\geq 7$	Include domain in Round 2 if either panel achieves a median score of 9 OR qualitative evidence supports further consideration
<b>B</b>	If the median rating for a domain is $\geq 7$ in only one panel	Include domain in Round 2 if either panel achieves a median score of 9 OR qualitative evidence supports further consideration
<b>C</b>	If the median rating for the two panels combined is $\geq 4$ and $\leq 6$ and the median rating for no single panel is $\leq 7$	No progression to Round 2 (unless qualitative evidence supports further consideration)
<b>D</b>	If the median rating for the two panels combined is $\geq 1$ and $\leq 3$ and the median rating for no single panel is $\leq 7$	No progression to Round 2 (unless qualitative evidence supports further consideration)

Footnote: 'both panels' refers to – patient panel and professionals panel

Appendix Table 2. Background of professional participants (expert panel) in the Delphi process (Round 1).

	Chronic round	Episodic round
Clinician	6	5
Neurologist	13	12
Neurologist specialist interest headache	10	11
GP specialist interest headache	1	0
Nurse specialist	4	3
Chiro/osteopath/	2	1
Health Economist	2	1
Clinical Academic	8	9
Other health professional academic	2	0
Clinical Trialist	9	8
Systematic reviewer	6	5
Measurement expert	7	8

Footnote: participants could identify as having more than one background

Appendix Table 3. Delphi Round 3: results of voting on sub-panel discrepancies.

Outcome to be voted on (R3)			EPISODIC MIGRAINE <i>Voting</i>			CHRONIC MIGRAINE <i>Voting</i>		
Discrepancies (outcomes rated in top 50% by one sub-panel)	Proposed Domain and definition	Q	Patient (n=23)	HCPs (n=21)	Combined (n=44)	Patient (n=29)	HCPs (n=23)	Combined (n=52)
<i>Ranked highly by healthcare professionals (HCPs)</i>								
• HCP 9/27; Patients 20/27 (EM)	• <b>Satisfaction with Treatment</b>	a.	65.2%	<b>71.4%</b>	68.2%	-	-	-
• HCP 8/27; Patients 25/27 (EM)	• <b>Vomiting and/ feelings of nausea</b>	a.	60.9%	<b>71.4%</b>	65.9%	-	-	-
• HCP 12/27; Patients 18/27 (EM)	• Type (potency) and dose (how much) of a medication when experiencing a migraine	a.				-	-	-
• HCP 10/31; Patients 20/31 (CM)	• Stress – feelings of distress, frustration or irritation	a.	-	-	-	58.6%	47.8%	53.9%
• HCP 15/31; Patients 29/31 (CM)	• Mortality (death)	a.	-	-	-	20.7%	17.4%	19.2%
<i>Ranked highly by patients</i>								
• Patients 10/27; HCPs 21/27 (EM) • Patients 14/31; HCPs 31/31 (CM)	• <b>Unpredictability of a migraine – uncertainty of being symptom-free or able to engage in activities</b>	a.	<b>82.6%</b>	61.9%	<b>72.7%</b>	<b>96.6%</b>	<b>69.6%</b>	<b>84.6%</b>
• Patients 11/27; HCPs 23/27 (EM)	• <b>Physical fatigue – experiencing physical fatigue, tiredness, lacking in energy, feeling physically exhausted</b>	a.	<b>69.6%</b>	52.4%	61.4%	-	-	-
• Patients 10/27; HCPs 21/27 (EM)	• <b>Depressive mood – feeling sad, feeling down, feeling sorry for oneself, or feeling depressed</b>	a.	<b>69.6%</b>	42.9%	56.8%	-	-	-

Footnote: Panellists were asked to indicate (Yes/No): a. Should the following outcomes be included in a core set for studies of EM / CM (respectively)?