

Supplementary File 1 - Patient Evaluation Measure (PEM Scoring)

For each of the PEM components, the participant assigns each item an integer score between 1 and 7, where higher scores indicate worse outcomes/experiences.

PEM - Hand Health Questionnaire (11 items) (Primary Outcome)

The Hand Health Questionnaire is scored as follows;

- Subtract 1 from all responses, so that each item has an integer score between 0 and 6.
- If the participant has fewer than two missing items in part 2, then the missing item(s) are imputed with the mean of the non-missing items. If the participant has more than two missing items then an overall score cannot be calculated and is considered missing.
- Sum the scores for the 11 items to obtain a raw score x . This should be between 0 and 66.
- Calculate their percentage disability by generating a normalised score between 0 and 100. A higher score indicates greater disability.

PEM – Hand Health and Overall Assessment Questionnaire (14 items)

An overall score for the 14 items in parts 2 and 3 will also be calculated. To obtain this score for a given participant;

- Subtract 1 from all responses, so that each item has an integer score between 0 and 6.
- If the participant has fewer than two missing items in part 2 and no missing items in part 3, then the missing item(s) are imputed with the mean of the non-missing items. If the participant has more than two missing items in part 2, or any missing items in part 3, then an overall score cannot be calculated and is considered missing.
- Sum the scores for the 14 items to obtain a raw score x . This should be between 0 and 84.
- Calculate their percentage disability by generating a normalised score between 0 and 100. A higher score indicates greater disability.

PEM – Treatment Questionnaire (5 items)

An overall score for the 5 items in part 1 will also be calculated. To obtain this score for a given participant;

- Subtract 1 from all responses, so that each item has an integer score between 0 and 6.

- If the participant has one missing item in part 1, then this item is imputed with the mean of the 4 non-missing part 1 items. If the participant has more than one missing item, then an overall score cannot be calculated and is considered missing.
- Sum the scores for the 5 items to obtain a raw score x . This should be between 0 and 30.
- Calculate their percentage disability by generating a normalised score between 0 and 100. A higher score indicates greater disability.