Supplementary File 2: Flowchart describing the item reduction process

- 56 Items from Concept Mapping Study
  - PPIE Focus Group with six MSK pain patients removed eight items due to issues with readability.

- 48 Item Draft ATEMPT
  - Cognitive Interviews with five MSK pain patients (different to PPIE) lead to changes to the wording of three items to improve interpretability.

- 48 Item ATEMPT
  - 13 Items removed with fewer than six responses in collapsed 'strongly disagree' & 'disagree' categories from 382 completed ATEMPT questionnaires.

- 35 Items
  - CFA conducted on remaining 35 items using factor structures of 1 to 8 identified from the previous concept mapping study.
  - One factor structure identified as the best fit.

- 6-, 12-, and 18-Item Versions of ATEMPT
  - Three separate measures created by selecting the one, two, or three items with the highest factor loadings for each of the six-factor structure identified as the most appropriate conceptualisation of adherence from the previous study.

- 6-Item version of ATEMPT
  - The 6-item version was found to have similar acceptable levels of test-retest reliability (0.84, 95% CI 0.78, 0.88) and measurement error (SDC 3.77, 95% CI 3.27, 4.42, SEM 2.67, 95% CI 2.31, 3.16) to the 12- and 18-item versions.