

## Development and Validation of a Short Pro Measure of Health Status for Individuals with Acute Myocardial Infarction: The Myocardial Infarction Dimensional Assessment Scale (MIDAS)

The Myocardial Infarction Dimensional Assessment Scale (MIDAS) is a PRO measure developed and validated to specifically measure the health status of individuals who have suffered a myocardial infarction (MI).

Myocardial infarction (MI) is a major cause of mortality and morbidity in the Western world: in the UK alone, roughly 2.6 people out of every 1000 have a MI incident each year.

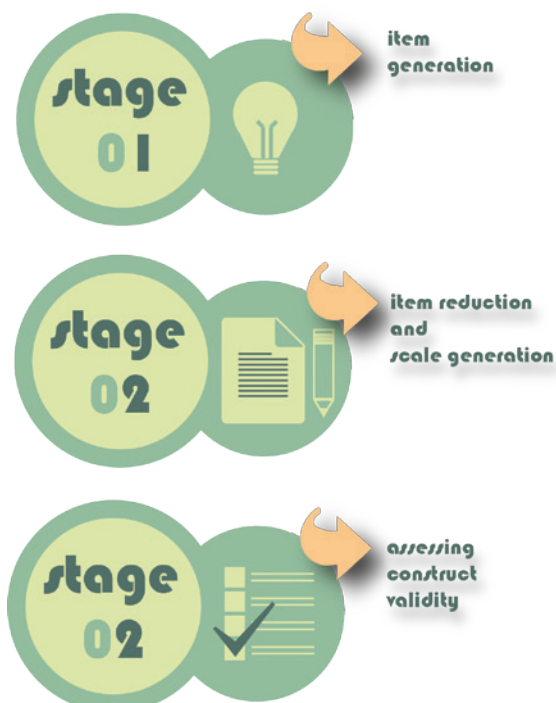
Educational, behavioural, pharmacological and surgical interventions can reduce the risk of an MI and death from MI, but while these interventions have an impact on longevity, their impact on quality of life remains unknown. The development of an MI-specific measure is therefore of particular importance.



The 35-item Myocardial Infarction Dimensional Assessment Scale (MIDAS) was designed by a collaboration between PRO experts at the University of Oxford (Professor Crispin Jenkinson) and the University of York (Professor David

Thompson, now at ACU Melbourne, and Mr Alun Roebuck). It was developed to measure dimensions of specific importance to MI patients, and to be sensitive to change in health status.

MIDAS development followed three main stages:-



MIDAS is:

- Validated

For use in patients in the early recovery period following MI and in the long term.

- Sensitive to change in health status

The MIDAS can readily be used to measure the outcome of any therapeutic intervention.

- Reliable

Results show that the MIDAS is highly reliable, both in terms of internal reliability at the patient group level and, given the magnitude of the reliability results, potentially at the individual level.

The MIDAS contains seven dimensions (physical activity; insecurity; emotional reaction; dependency; diet; concerns over medication; side effects) and so addresses a combination of concerns distinctively associated with MI patients.

Easy to use

Short and simple in format, MIDAS can be used in a wide range of healthcare applications, and the ease of use promotes high response rates. Although predominantly used as patient self-complete questionnaire, the MIDAS can be interviewer administered as well.

Condition specific

MIDAS addresses aspects of MI not covered by generic PROs.



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