Reviewer's report

Title: Suitability of measures of self-reported medication adherence for routine clinical use: A systematic review.

Version: 2 Date: 14 August 2011

Reviewer: Elizabeth Manias

Reviewer's report:

The authors should be commended for addressing the major concerns of the initial review in a comprehensive manner. There remain a few issues that still need to be rectified.

Minor essential revisions

In the section under theoretical properties, there should be some examples provided of models that can be used to examine unintentional non-adherence. This information will give the reader some clarification about how such models compare with those that relate to intentional non-adherence.

In the inclusion criteria section (p. 10), it would be helpful to have examples of non-questionnaire measures that can be used for reporting development, reliability or validation of adherence measures.

In the conclusion, greater clarity should be given on specific recommendations of suitable self-report measures. Fifty-eight measures were critiqued in the systematic review – it would be very helpful if particular information was given about the most useful measures in terms of the theoretical, pragmatic and psychometric criteria. In the background, the authors stated the importance of identifying suitable measures that could be recommended for generic use and, in particular, for continuous quality improvement activities. These issues should be revisited in the conclusion.

Level of interest: An article of importance in its field

Quality of written English: Acceptable

Statistical review: No, the manuscript does not need to be seen by a statistician.

Declaration of competing interests:

I declare that I have no competing interests.