Reviewer's report

Title: Non-adherence to drug therapy and drug acquisition costs in a national population - an individual-based register study

Version: 2 Date: 31 October 2011

Reviewer: Michael A Fischer

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Overall notes:
The authors have been responsive in their revisions and have cleared up several points of definition and terminology raised in the earlier comments. The main issue for this analysis continues to be whether it really adds to our understanding of non-adherence above and beyond reminding us all that about 50% of filled medications are not taken by patients. The authors work very hard to adjust for factors such as the type of medications filled and the number of medications per patient, but at the end of it all, about 40-50% of medications are not taken, and therefore about 40-50% of spending on drugs is wasted. Perhaps seeing this expressed in terms of spending will motivate additional work on the causes of non-adherence and possible interventions to address it.

Level of interest: An article whose findings are important to those with closely related research interests

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'