Reviewer's report

Title: The association between prescription change frequency, chronic disease score and hospital admissions: a case control study

Version: 2 Date: 13 May 2013

Reviewer: Douglas Steinke

Reviewer's report:

The research questions are laid out in the introduction and clarified in the methods section. It is acknowledged that there is a gap in the knowledge and the comparison would be interesting. The database is well established and has the necessary information to complete this study.

There are some revisions that the authors might consider:

Methods: The authors state that the cases are identified from a group of 10,000 people with a first hospitalization between July 1998 and June 2000. Is this truly an incident hospitalization with no other hospitalizations before this study period, or is this the first hospitalization of possible repeated hospitalizations. I think it is the latter, but it should be clarified.

The results are not surprising, but have quantified a problem which now can be used in further research.

The correlation statistics seem correct in that the authors are relating 2 numerical variables to a common probability.

Reading the study, I was also interested if there are key medications that seem to increase the probability of hospitalization if they are changed. This could be considered in future research.

The tables and figures may need editing in publication, but that is in the future.

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

Quality of written English: Acceptable

Statistical review: Yes, and I have assessed the statistics in my report.

Declaration of competing interests:

I declare that I have no competing interests