Title: Effects of continuity of care on hospital admission in patients with type 2 diabetes: analysis of nationwide insurance data

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Reviewer: David Whyatt

Reviewer's report:

Major revisions:
1) The work that has been previously done in the area of continuity of care and hospital admission is not well addressed in this paper. There is virtually no discussion of what is known about this subject internationally. Relevant would be Einarsdottir 2010, Parchman 1999. Starfield 2008, Bindman 1995....

2) In Table 2, all continuity of care indices are grouped together (above 0.75 or not) for the adjusted analysis, but it is unclear how this could be done, since some individuals would have some index scores higher and some lower than 0.75.

3) In Table 3, each index is examined, using a perfect 1 score as a reference. It seems likely that very few individuals would have a perfect score. This undermines the significance of this analysis, since it mainly shows that all other groups are different to the (potentially...the number in this group is not shown) 'perfect' score group. The size of the reference group should be shown and should include a reasonable number of individuals. I would hazard suggesting using a group that isn't all scoring 'perfect'.

4) The comparison of the area under the ROC curves for each index is incomplete. The authors do not note that the differences they observe are significant or not. They would appear so close as to be no different to each other.

Minor:
1) The authors refer to COC indices as a group, but one of the indices is actually named COC itself. Please use another designation for the group of indices.

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