Reviewer's report

Title: Impact of training and structured medication review on medication appropriateness and patient-related outcomes in nursing homes: results from the interventional study InTherAKT

Version: 1 Date: 20 Jan 2019

Reviewer: Carmel Hughes

Reviewer's report:

There are some minor issues with the English expression e.g. Abstract line 55-unbound and consistent access. This would be better phrased as 'unlimited and consistent access…'. Another example is (line 77) '…a need of improved interprofessional communication is pointed out'. Better phrased as '…a need for improved interprofessional communication is highlighted'. There are other examples were the English expression is not quite right.

The authors have explained in their response what was meant by quarantine, but this also needs to be explained in the text (line 142).

Line 155-what is meant by particularity of drug therapy? And line 158-prioritizing?

Line 185-what is meant by conciliated?

Line 223-rating pharmacists? This term is not clear. Do the authors mean those pharmacists who conducted the MAI ratings? If so, this should be described in this way.

Line 256-what is meant by 'control variables'?

Line 262-rather than 'descriptive character', this should be described as 'descriptive nature'

Line 281-when the authors state that 'footage of this event' was provided, does this mean that the training event was recorded?

Line 353. The authors attribute some of the effects seen to the educational effects of training. How can they be sure about this?

Line 367-this does not make sense in English-'..remained unvaried high’?

In Figure 2, typo 'performe'. There is no 'e'. it should be 'perform'

Are the methods appropriate and well described?
If not, please specify what is required in your comments to the authors.

Yes
Does the work include the necessary controls?
If not, please specify which controls are required in your comments to the authors.

No

Are the conclusions drawn adequately supported by the data shown?
If not, please explain in your comments to the authors.

Yes

Are you able to assess any statistics in the manuscript or would you recommend an additional statistical review?
If an additional statistical review is recommended, please specify what aspects require further assessment in your comments to the editors.

I recommend additional statistical review

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Needs some language corrections before being published

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