Reviewer’s report

Title: The trend of caesarean birth rate changes in China after ‘universal two-child policy’ era: A population-based study in 2013-2018

Version: 1 Date: 11 Apr 2020

Reviewer: Handong Li

Reviewer's report:

The revised manuscript has answered all the questions I came up with in the last review. Based on a smaller scale of sample in 2013-2018, the author reanalyzed the trend of caesarean delivery rate changes in China due to the "universal two-child policy". They added some appropriate statistical methods to solve the problems or to help explain the areas that were not clearly explained in the previous version, and added space in the conclusion section to explain the results in depth, making the full text more scientific and logical.

For the correlations between the covariates and caesarean delivery rate, they added quantitative analysis (e.g. OR value) to prove that these indicators are reasonably considered as covariates. Since the previous version didn't explain how the policy affected the rate of caesarean delivery clearly, the author applied ITS with segmented linear regression to evaluate the effects of the universal two-child policy. This is a major change in the full manuscript, and this improvement makes their results more statistically significant and convinced. As for the comparability of samples in 1% national population sample survey in 2015 and NFPCP, the author also gives a literature-based explanation.

Overall, this study focused on the impact of China's universal two-child policy on caesarean delivery rate, which is relatively novel and realistic, and thus could be considered acceptable.

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.

Yes

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

Yes

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If an additional statistical review is recommended, please specify what aspects require further assessment in your comments to the editors.

I am able to assess the statistics

**Quality of written English**
Please indicate the quality of language in the manuscript:

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