Reviewer’s report

Title: Spatial variation in the use of reproductive health services over time: A decomposition analysis

Version: 0 Date: 29 Sep 2017

Reviewer: Lauren Brinkely-Rubinstein

Reviewer’s report:

This manuscript explores an important topic, but needs to be better written and more concise to be publishable.

Would reconsider using colloquial language or modifiers (grim, hardly, indeed, etc.).

Suggest focusing the intro on Ghana rather than all of Africa or even SSA.

Some statements in the intro re: Ghana specific stats need citations.

Suggest an overall proofread for typos (grammar, spelling, etc.), which are abundant.

The last paragraph of the intro should be in the discussion (discussing the contribution of the current study).

The first paragraph of the discussion should include an overall summary of the main findings.

The discussion, in general is too long and should be presented more concisely.

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

Unable to assess

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

Unable to assess

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

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

Not suitable for publication unless extensively edited

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