Reviewer’s report

Title: The Social determinants of Health Facility Delivery Among Reproductive Aged Women in Ghana

Version: 0 Date: 16 Apr 2019

Reviewer: Rachel Beanland

Reviewer's report:

Thank you for submitting your article on the use of health facility delivery among reproductive aged women in Ghana.

Your manuscript summarises an interesting analysis of health service data and clearly outlines potential factors that limit women's ability to deliver in a safe environment. The use of a proxy measure for perceived need is interesting but in doing so care must be taken not to over emphasise the findings from this section of the analysis and reporting - please consider changing the title of your paper to reflect the majority of the data is on sociodemographic factors. The data is well presented but to aid clarity please ensure the descriptive text matches the data in the tables and adopts a consistent approach.

Please find below comments to address in your submission:

Abstract

Results: Please include a data point for clarification of the statement on urban women with a higher likelihood of health care facility delivery (6.71 95% CI =4-76-9.44))

Introduction 1st paragraph Line 30 to 33 - please revise sentence.

Results

Age - please revise the statement Line 15 About one third of women (73.9% ) - the statement does not correlate with the data.

Education - please revise the statement Line 41 to report to two decimal places (69.3)

Marital status - please revise to report all data points to two decimal places

Parity - please revise to report all data points to two decimal places
Bivariate analysis results - please review your reporting of the data points and ensure that you are consistent with how you report OR, the CI and comparisons for each variable.

Line 22 - report data point OR related to CI and not %.

Line 56 - report data point OR related to CI and not %

Multivariate Analysis results - please review your reporting of the data points and ensure that you are consistent with how you report OR, CI and comparisons for each variable. It is preferable to state the OR rather than the % if you then report the CI for the OR.

Discussion

Line 46 - please review language here - are you referring to low income settings or developing economies.

Take care in your reporting of the findings related to perceived need. It may be helpful to note in the discussion that you have used a proxy measurement, the sample size for this calculation was smaller and the CI for the OR from the multivariate analysis is very close to 1 (1.02) with a p value of 0.03 - please be careful not to conclude too strongly on this finding.

Level of interest
Please indicate how interesting you found the manuscript:

An article of importance in its field

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

Acceptable

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