Author’s response to reviews

Title: Factors Influencing Unmet Need for Family Planning among Ghanaian Married/Union Women: A Multinomial Mixed Effects Logistic Regression Modelling Approach

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Response to Reviewers Comments

Comment: On the other hand, as I understand author's response to the other reviewer, if the need of addressing this study relies in the new methodological approach modelling both observed and unobserved variables, I still find the sub-section of Statistical Analysis unnecessarily long containing obvious explanations of some common statistics like de p-values or the Akaike info criteria.

Response: We have deleted “An alpha-level (type-I error) of 5% corresponding to a confidence level of 95% was specified for significance of predictors” as directed by the reviewer.

Comment: In the absence of any cluster effect, our model represents an ordinary multinomial logistic regression” are not necessary and it can lead to confusion.

Response: We have deleted “In the absence of any significant cluster effect, our model represent an ordinary multinomial logistic regression” as directed by the reviewer.

Comment: Finally, in the Conclusion section, even though the authors well indicate that they are not able to emphatically state which variable predicts better. They at least could summarize,
according to the results, which variables or group of variables could have a greater impact addressing the unmet need for family planning concern.

Response: We have included the following in the conclusion section “fear of side effect, infrequent sex, age, ethnicity, partner’s education and region were the most highly significant predictors of both limiting and spacing”

Comment: Title of figures and tables should include information on study name; time and place

Response: We have included in tables and figures titles the study name, time and place

Comment: Number of figures after the decimal point should be limited to 2 in text and table

Response: We have edited all decimal places to 2 as directed

Comment: Size of the Y-axes of the 4 graphs in figure 1 should be equal to avoid to be visual misleading. If not possible in one figure, please make 4 separate graphs

Response: We have separated all the four graphs