

RESPONSE TO REVIEW WITH IN-TEXT COMMENTS

Thank you for your review of the manuscript. In addition to the other comments which have been addressed in the manuscript, the following feedbacks are given:

- **Comment 02:** Not altered because author was quoted verbatim from NDHS 2013.
- **Comment 08:** UNDP report on Nigeria 2018 not seen; however the 2017 report gave the same value as indicated in the manuscript from World Health Statistics 2017.
- **Comment 012:** This sampling method is used widely in developing countries where there is poor town planning and house numbering system; with communities existing as clusters of houses/households demarcated by specific landmarks. A typical example of its application is in the WHO Lot Quality Assurance Sampling (LQAS) for immunization monitoring in developing countries. This has been widely used for immunization activities in Anambra State.
The bottle is spun at the centre of the cluster of houses. If there is no house in the direction of the bottle neck, the spinning is repeated.
- **Comment 017:** More clarification is needed on this comment. However, the value for contraceptive prevalence stated in the manuscript was obtained from the total number of respondents using any form of contraception (modern or traditional) expressed as a percentage of the total number of participants (married women 15-49 years).
- **Comment 018:** The values were obtained from the survey after analysis of the study instruments developed from the “Revised unmet need for family planning DHS report 25”; applying the algorithm.
- **Comment 019:** The value obtained from NDHS 2013 was stated ab initio however the authors believe there is a need to state the more current value especially since there seems to be a very wide difference in the values.