Reviewer's report

Title: Determinants of Hypertension in a Young Ugandan Population in Epidemiological Transition- The MEPI-CVD Survey

Version: 1 Date: 30 March 2015

Reviewer: Johannes van Rooyen

Reviewer's report:

With the manuscript the authors aimed to investigate the prevalence and risk factors associated with high blood pressure in young adults in a peri-urban district of Uganda.

Minor essential revisions:

1) I suggest that the manuscript should be language edited because there are too many language errors.
2) How many households were included in the randomization of the sample.
3) On p5, line 126, place the reference also in the reference list.
4) On line 142 - give attention to the units.
5) On p6, line 149, explain which serological test was used to diagnose the HIV positivity.
6) On p7, line 177, rephrase sentence and add participants after 3920, add also of age after 40 years and omit "and were participants aged 18 years or more".
7) P7, line 178, change sentence to: Of these, in 3685 (94%) participants complete hypertension data was obtained and included in the study.
8) P7, line 183, change sentence to: while 9.1% of our study population are HIV infected which was higher ______.
9) P8, line 204, replace diabetic state by diabetic status.
10) P9, line 218, replace have by to have. Also on p8, line 239, after (27) start sentence with In.
11) P10, line 241, replace low-levels of diagnosis by under diagnosis.
12) P11, line 278, natriuresis is misspelled.
13) P11, line 289, replace comparator group by comparable group. Replace also Africa settings by African settings. Also line 293, remove the full stop after mortality.
14) P12, line 297 and 298, spell sub-Saharan Africa with small s. (sub-Saharan not Sub-Saharan). Line 299, after sugar replace the comma with and. Line 304, Change sentence to: To our knowledge this is the first study......Line 306, remove the rapid after rapidly.
15) Table1, p21, the values after the median age of 27 (23-32), does not indicate
% as stated in heading.

16) Table 2, In column 1 the (n/%) is not valid because authors show n/N in column 2.

16) On p26, Figure legends, change the first Figure 4 to Figure 3 and remove the second among in legend of Figure 2.

Major revisions:

1) Language editing of whole manuscript.
2) Show in a supplementary table the actual values of BP, Glucose, WC, BMI, and lipids in order to describe the study population under study better.
3) Show the error bars/standard deviation on the figures (bar charts).

Level of interest: An article of importance in its field

Quality of written English: Not suitable for publication unless extensively edited

Statistical review: No, the manuscript does not need to be seen by a statistician.

Declaration of competing interests:

No conflicts of interest to be declared.