

Review of: "Prevalence and Determinants of Hypertension Among Adults in Urban Bonaberi District of Douala, Cameroon"

Zineb Serhier¹

¹ Université Hassan II de Casablanca

Potential competing interests: No potential competing interests to declare.

Interesting subject, but some changes are needed.

The objective stated in the summary is not consistent with the title.

The primary and secondary objectives are reversed in the text and the summary. They need to be homogenised, and a suitable title chosen according to the initial choice.

In view of the results presented, the primary objective is to assess perceptions and knowledge of what causes and prevents HTN among Cameroonians. So the title should be modified.

In the methods,

There is non need to explain, "The demographic variable "age" was queried as a free text response, in years, as opposed to captured by age groups; the former consideration permitted the authors to obtain mean, median, maximum, and minimum age ranges for the sample." The sentence can be removed.

The description of the questionnaire is too detailed; it should be summarized.

The sentence, "The options available for participants to choose from were devised by the authors after reviews of worldwide statistics of HTN's incidence and prevalence,..." is not clear and should be reworded or removed.

Dependent variables should be specified because it's not clear "examining the dichotomous dependent variable..."

In the results:

It would be better to focus on the proportion of smokers instead of nonsmokers in the sentence "Roughly 80% of participants identified as non-smokers, as the remaining percentage was split between current and former cigarette smokers."

Table 1 is divided in two parts with the same columns; there is no need for that.

In the title of the table, it's better to say "participants' self-reported" instead of "Bonaberi, Cameroonian community residents' self-reported."

The following passage, “Causes of hypertension’s development for respondents to choose from included diet, weight gain, lack of exercise, stress, and witchcraft. Preventative actions that could be taken to ward off hypertension for respondents to choose from included exercise, regular BP checks, stress reduction, adequate rest, and diet monitoring,” must be included in the methods if it is not already included, but must not be included in the results.

Table 2 is not comprehensible.

Does it contain the results of the multivariate or univariate analysis? If it is multivariate, it is compulsory to have the univariate results before presenting the multivariate results. As long as it is a logistic regression, the ORs with their CIs or p-values must be presented in the table.

The OR should be presented with two decimals.

A table describing socio-demographic characteristics must be added.

A table with the frequencies of the selected answers concerning knowledge of the causes of HTN must be added before identifying the factors associated with this knowledge. The percentages (%) of participants selecting diet, weight gain, lack of exercise, stress, and witchcraft as causes of HTN were 84.9, 84.4, 84.2, 67.2, and 30.8, respectively. The percentages (%) of participants selecting exercise, regular BP checks, stress reduction, adequate rest, and diet monitoring as preventative HTN strategies were 94, 93.6” should be presented in a table.

The results for the secondary objective should be presented in a table. The proportion of HTN should be cited. The results of univariate analysis to identify associated factors should be presented with or without multivariate analysis.