Reviewer’s report

Title: Prevalence of hypertension and its treatment among adults presenting to primary health clinics in rural Zambia: analysis of an observational database

Version: 1 Date: 20 July 2015

Reviewer: Amanda Willig

Reviewer’s report:

This manuscript addresses an important topic, hypertension, for health care in Zambia. However, the authors could improve on analyses to add more depth and understanding to the issue.

Major Compulsory Revisions

(1) The authors provide mainly unadjusted data on hypertension prevalence, and compare differences by age, sex, and treatment status. They should consider additional multivariate analysis to understand the associations and interactions of these variables with hypertension. At a basic level, consider logistic regression to understand factors associated with untreated hypertension - for example, does medication differ by sex, and do sex differences remain when medication is controlled for? Also consider interactions in investigating hypertension prevalence - is there an age x BMI interactions, or sex by BMI interaction, such that hypertension prevalence is greater in overweight women than overweight men?

Level of interest: An article of importance in its field

Quality of written English: Acceptable

Statistical review: Yes, but I do not feel adequately qualified to assess the statistics.

Declaration of competing interests:

I declare that I have no competing interests