

Review of: "Factors Associated with Outcomes of Status Disclosure among Antiretroviral Therapy (ART) Attendees in Public Health Facilities of Mekelle City, Tigray, Ethiopia"

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Potential competing interests: No potential competing interests to declare.

Reviewer report to the editor-in-chief of Manuscript titled: Factors Associated with Outcomes of Status Disclosure among Antiretroviral Therapy (ART) Attendees in Public Health Facilities of Mekelle City, Tigray, Ethiopia with Qeios ID: K2SQFV.

General Comment:

The paper is very unique in title and brings a piece of brief information to the field if published. However, should be rewritten/revised to the standard of publication. Need major/significant revision, need to consistently to follow the journal guide.

Comments/Questions for Clarification

Abstract part: 'Research on the outcome of seropositive status disclosure has been uneven, both in time and geography, and is limited, particularly in the Tigray region'.

Your evidence being uneven in Tigray?, we have to be evidence based when writing something on publishable papers. The evidence could also be annual, quarter health bureau reports of the region, or at national level, not only published reports/articles.

On determining association, I don't think like you used what you planned to use. In the abstract part it looks like you planned to consider variables statistically significant at $P < 0.05$. However, on table found page 11, all variable considered for bivariate are tested in multivariate logistic regression analysis. Therefore, you need to rewrite/reanalyze the data according to your plan. Additionally, on multivariate logistic regression analysis, the reference variable is the last/first variable according to your choice.

Brief the difference between bivariate and multivariate logistic regression? i am not sure you are clear.

What are your operational definition in the context of your definition? what you wrote with reference are definition of terms.

Operational definitions don't have references, should define the interested variables scientifically considering the local context included in your study. Therefore, you need to rewrite your operational; definition according to the local context included in the study, you do not need to put some once/organizations definition which could be considered as definition of terms.

Introduction part, you wrote as 'HIV epidemic is mostly affecting Africa, in which Eastern and Southern Africa accounts for 45% of new HIV infections and is home to 53% of PLHIV globally' with reference no. 3

I suggest to you write, why African most affected with evidence, like genetic, high exposure etc.

Introduction part, you wrote, as disclosure is a strategy for prevention/treatment of HIV. Yes, off course, however, you need to link some practical evidence, like papers published showing the rate of HIV infection vs disclosure.

Your conclusion not directly in line with your objective. Your objective/target is to identify factors associated as written the last sentence of your introduction part, therefore, your conclusion should pertain your objective.

Method part page 3 'The total number of people attending ART and disclosing their status in this city was 10,462' need reference (possible to use annual/quarter report of the region/national level).

Page 5, sampling procedure is not clear, how many from each study HS, is K=6 for general or each study HS. You need to briefly write this point.

Page 5 and 6, data collection tool and quality control.

There are some repetitions of concepts, thus merge the two title and narrate again. All the variables have to briefly describe under this title. For example, the question measure disclosure status?, Socio-demographic variables and other variables measured.

Result: follow the Journal guide, remove the last columns talk about total

Figure 2 has no title and narration about it.

Table 5, interpretation of multivariate logistic regression analysis should not be compared with their respective category, instead should be generally described. For example, the females were with more odds....continue to other variable of interest