

# Review of: "Prevalence of Common Mental Illness and Its Associated Factors among Hawassa City High School Students in Hawassa, Sidama Region, Ethiopia"

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Potential competing interests: No potential competing interests to declare.

I had the opportunity to review the study titled "Prevalence of Common Mental Illness and Its Associated Factors among Hawassa City High School Students in Hawassa, Sidama Region, Ethiopia". Firstly, I believe the study is valuable as it includes a large number of students and can provide insights into the mental state of adolescents in the Ethiopian region. However, I have some suggestions. Firstly, the language of the study should be revisited. There are capitalization errors in some sentences, and revising some sentences to make them clearer would be beneficial.

p-value <0.25: In statistics, the p-value is used to assess whether the result obtained in a hypothesis test is statistically significant. Typically,  $p < 0.05$  is considered statistically significant. However, I am not sure why you used a value of  $p > 0.25$  in your study to decide which variables to include in the model. This is a broader criterion used in variable selection to retain more variables in the model. But it can affect the generalizability of the study.

The study has asked many questions regarding living with family, religious beliefs, etc. These values could be used to also research protective factors, enriching the study further.

Instead of presenting the proportional increase for each variable separately, examining them in a single model in multiple logistic regression could make it more concise and understandable.

While doing this, questions such as whether there's a linear relationship between the independent and dependent variables, whether there's a high degree of relationship (correlation) between independent variables, what's the error variance, and whether the distribution is normal, need to be answered.

Also, check the suitability of the model you've created. The  $R^2$  value shows how well the model fits the data. Moreover, evaluate whether the model is generally meaningful with the F-test. The influencing factors can be presented in a single table (only those found significant).

Making these adjustments will enhance the generalizability of the article.

Best wishes and regards.

Note: The translated text may still require some minor editing for fluency or context-specific nuances.

