

Review comment -1

This work helps to understand factors associated with unregulated medication use in Nigeria. These findings may also be generalizable to similar population groups in other low- and middle-income countries.

Another title of manuscript “Unregulated medical drug use and Public Health Outcomes in Nigeria, a cross-sectional study.”

All sections are appropriate. However, author may consider removing headings that are not major headings to increase readability in the discussion section.

Yes, references are proper. Most recent (2024). Not sure if more recent articles are available on this topic.

Well written article with important findings. The following comments concern formatting of tables. The author should identify formatting style of tables that align with the citation style and apply this uniformly to all tables.

Table 1 variable names should be revised to be left justified or based on a specific style.

For Tables 3 and 4, the referent groups for each variable in the model should be clearly stated.

Are the odds ratios presented in Tables 3 and 4, adjusted OR? If so, please change “Odds Ratio” in tables to “adjusted OR”.

I would also suggest including confidence intervals when presenting the aOR in the narrative rather than the p-values.

Please review following tables and values, make corrections to tables and narrative:

· Table 3: Number of Drugstores effect: 3 to 5 vs 6 or more, OR= 0.361 95% CI [0.196, 0.665] but P-value is not significant. CI does not contain 1, therefore should be significant.

· Table 4: License Parm: No vs. Yes OR= 2.246 95% CI [0.788, 6.406] but P-value is significant. CI contains 1, therefore should not be significant.

· Table 4: License Parm: Not sure vs. Yes OR= 0.772 95% CI [0.345, 1.729] but P-value is significant. CI contains 1, therefore should not be significant.