

Review of: "A Systematic Review of Antibiotic Use in Humans in Nigeria and Its Potential Contribution to Rising Antimicrobial Resistance"

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Potential competing interests: No potential competing interests to declare.

Thematically, it is an important work because antimicrobial resistance is not just a local problem, but a global one. A potential post-antibiotic era might threaten present and future medical advances. So, thematically well considered and very sensible, and the introduction is logically derived and appropriately and sufficiently referenced.

I would like to understand the following comments as a supplement to the comments already published by previous reviewers. I will try not to repeat the points mentioned in the reviews here to avoid redundancy.

Methodologically, the question arises as to why the research was only conducted up to 2017?

In the penultimate paragraph of the discussion section, it is described that the analysis was already conducted in 2017 and that the results were already incorporated into the national action plan for AMR in 2017. Have I understood that correctly? If that is the case, then it should be clearly explained in the introduction WHY publication of this work was planned today, in 2024.

The time in modern medical research and development is enormous - within 10 years (there are 2 publications from 2014 and only one from 2015, all other included publications are older) - and results that are possibly even older may no longer be appropriate for the current situation. The selection of potential literature sources has already been addressed by other reviewers.

The information on the search terms is very vague. How were these searched for - alone or in combination, and if so, how combined?

The PRISMA diagram is precise and well visualized, although the enormous number (770) of exclusions due to incompatible title and abstract is a little "surprising".

No comment on the results section.

With reference to the review period and the planned publication year, I strongly recommend discussing the results from 2017 with data from papers published after that. This could create added value that also serves the promise of the title "Potential Contribution to Rising Antimicrobial Resistance". It would be a shame to bring the topic into the discussion without more recent data.

As I have already said, the topic is highly relevant and worthy of publication, but in some places, it should be formulated more precisely, and the “current connection” should be made.