Reviewer's report

Title: An Overview of Systematic Reviews of Economic Evaluations of Pharmacy-Based Public Health Interventions: Addressing Methodological Challenges

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Reviewer: Clemence Perraudin

Reviewer's report:

General comments: *The authors provide an overview of systematic reviews of economic evaluation of pharmacy services in the light of the recommendations for the evaluation of public health interventions, alongside trials. The paper focuses on methods rather than effectiveness of pharmacy services, which is interesting and useful. Economic evaluations are required to value pharmacy services and test their cost-effectiveness along care pathway. The development of specific recommendations is important and this manuscript is consistent with these developments.

Abstract*The triangulation of recommendations for economic evaluation of public health interventions / alongside clinical or pragmatic trials / pharmacy services is very well appropriate. However, I propose to reinforce the rationale and mostly the link between the three themes. The objectives cited in the background section seems to be more clear*The abbreviation AMSTAR-2 could be deleted in this part unless the authors consider it trivial

Background*The first six little paragraphs presenting different themes and concepts are not easy to link. The authors should better bring together the ideas to naturally conclude the objectives. Moreover I find the first sentence is not catchy, while the paper is really interesting. I will strengthen the rationale of the objectives.

Objectives*The objectives are well formulated.

Methods*The method of the selection of the systematic reviews on pharmacy interventions is well described and robust. I appreciate the possibility of the access of research data for each methodological step through supplementary files.*Optional comment: I propose to cite references to the papers as "Weatherly et al." to avoid some misunderstanding

Results*It is sometimes difficult to distinguish between the recommendation from included reviews or studies included in the reviews*P24, lines 467 : only the recommendations for economic evaluation of public health interventions are presented. I will add poor evidence for the following recommendations: valuation of costs and methods for cost and outcome analysis

Discussion/Conclusion*Quite small discussion of the results, but the proposed methodological approach is appreciated.

Level of interest
Please indicate how interesting you found the manuscript:

An article of importance in its field that should be highlighted to relevant networks

Quality of written English
Please indicate the quality of language in the manuscript:

Acceptable
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