Reviewer’s report

Title: A review and framework for understanding the potential impact of poor solid waste management on health in developing countries

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Reviewer: Lilliana Abarca Guerrero

Reviewer's report:

This article should have a different title. As it is right now, I expected to see a relation between bad solid waste management systems and bad health, but what I can read are issues more related to possible/potential risks and waste management systems. Therefore, my recommendation is to change the title to something like: A review and framework for understanding the potential impact of poor.....

There is a very important study done by Giusti called "A review of waste management practices and their impact on human health" which is a reference document for this type of studies. I am surprised that it doesn´t appear in the literature review. In this study Giusti comes to the conclusion which is that the overall assessment of the literature in relation to the evidence of adverse health outcomes for the general population living near landfill sites, incinerators, composting facilities and nuclear installations is usually insufficient and inconclusive. In order to improve the quality and usefulness of epidemiological studies applied to populations residing in areas where waste management facilities are located or planned, preference should be given to prospective cohort studies of sufficient statistical power, with access to direct human exposure measurements, and supported by data on health effect biomarkers and susceptibility biomarkers. And I really think that this article should be analysed under the framework proposed in the article being reviewed.

In terms of specific comments:

1. often it is written using personal pronouns such as "we"

2. some statements are not with a reference

3. Waste picker is the right word, not scavengers (it is derogative)

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