Reviewer’s report

Title: Analysis of severe adverse effects following community-based ivermectin treatment in the Democratic Republic of Congo

Version: 1 Date: 14 Feb 2019

Reviewer: Rebecca Ellen Chandler

Reviewer's report:

The authors report a study with the aim to determine the frequency of severe adverse events (SAE) after post-community directed treatment with ivermectin with a retrospective study design using SAE collection cards, over a time period from 2003 to 2017.

An important piece of information which is missing (but likely very hard to find) is the total number of persons which received ivermectin treatment during these programs in the stated time period.

This description and analysis of risk factors for SAE after ivermectin in Congo pairs nicely with the report published from Nzolo et al. "Central and Peripheral Nervous System Disorders Following Ivermectin Mass Administration: A Descriptive Study Based on the Democratic Republic of Congo Pharmacovigilance System."

The findings appear to be consistent with those which have been documented previously in Congo as well as other countries with similar community treatment programs.

More specific comments:

Background: Very informative, but it could be shortened. For example, from line 115-129, much of this information is repeated in the Results and Discussion sections.


Are the methods appropriate and well described?
If not, please specify what is required in your comments to the authors.

Yes
Does the work include the necessary controls?
If not, please specify which controls are required in your comments to the authors.

Unable to assess

Are the conclusions drawn adequately supported by the data shown?
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Yes

Are you able to assess any statistics in the manuscript or would you recommend an additional statistical review?
If an additional statistical review is recommended, please specify what aspects require further assessment in your comments to the editors.

I am able to assess the statistics

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

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