Reviewer’s report

Title: Spatial heterogeneity of environmental risk in randomized prevention trials: consequences and modeling

Version: 1 Date: 25 Apr 2019

Reviewer: T. Alex Perkins

Reviewer’s report:

The authors have done a good job addressing my comments. I only have a couple of minor suggestions to improve the clarity of the writing.

Lines 42-45: Sentence does not make sense. What is the theoretical model? Not well written.

Change all instances of environment-borne to environmentally influenced or some other wording.

Lines 76-77 are a repeat of what is said 2 sentences previously

Lines 91-93 reword sentence

Line 104- again, what is "the theoretical model?" Aren't these all theoretical models?

123-124: What does this mean?

Line 441: Does this mean <0.6?. It is assumed they are in relative risk, but this is never explicitly mentioned.

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.

Yes

Are the conclusions drawn adequately supported by the data shown?
If not, please explain in your comments to the authors.

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:

Acceptable

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