Reviewer’s report

Title: The impact of daily temperature on renal disease incidence: an ecological study

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Reviewer: Ho Kim

Reviewer's report:

The authors aimed to extend the known relationship between daily temperature and kidney disease to include the incidence of eight temperature-prone specific renal disease categories in Australia. This is well written papers with enough literature reviews and discussions. I have only few comments mainly on the methodologies.

1) I have a question on Figures 2 and 3. I expected many data points (# of days during the study period). It looks like there are less than 50 data points. Please explain. And I see a few outliers with high temperature and low admissions. Adding some description on these points and their influences on estimating the effects would be helpful.

2) For appendices 2, 3, 4, it important to understand the trends of the effects. So I think presenting graphs would be a much better way to represent these features, especially for lag-structures.

3) Negative-binomial is a proper approach for this data. But it's less used than classical Poisson regression. Adding more description for the model is helpful for general readers, I think. Adding [ Log(E(Y))=beta_0 + ..... ] this kind of description is recommended.

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Quality of written English
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