Author's response to reviews

**Title:** A new approach to analyse longitudinal epidemiological data with an excess of zeros

**Authors:**

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**Author's response to reviews:** see over
Dear editor,

We thank the editor and the reviewer for acknowledging that the paper was much improved and responsive to the reviews. Please find a description of the adjustments that were made in the manuscript below.

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Response to the editor’s comment
Required minor changes:
1. Typo: page 14, exp(0.66)=1.86, should be exp(0.62) =1.86, I believe to match the table of results.

   - Thank you for noticing this, we have adjusted the typo (Page 13 Line 15)

2. Figure panel labels should match the table headers. For example, in the tables the columns are: Linear mixed model, Poisson mixed model, and two-part joint model. The three panels to each figure should be labelled in the same. I would also suggest labelling the x-axis as 'Predicted hypoglycaemic events' and then titling each panel in the figure by the type of model presented (Linear mixed model, Poisson mixed model, two-part joint model) or just label the x-axis 'Predicted hypoglycaemic events: Linear mixed model', etc.. I think this will make the figures very clear and easily interpretable.

   - We have adjusted the panel labels in the figures following the advice abovementioned. We agree that these adjustments have improved our figures, making them more easily interpretable.

Additional Editorial Requirements:

1. Copyediting
   - We have carefully adjusted the errors that we found

Please also ensure that your revised manuscript conforms to the journal style
   - We have followed the template that was provided through the advised link and adjusted for the parts of the manuscript that were not conform to the journal style. We hope that we did not miss anything, otherwise we would be glad make adjustments

Response to the reviewer’s comment
Minor Essential Revisions - The following are the few typos that may be taken care of:
1. Page 2, Line 5 - replace 'modelling' by 'modeling'
2. Page 4, Line 14 - omit 'for' in 'controlled for by'
3. Page 5, Line 10 - replace 'Oone' by 'One'
4. Page 5, Line 13 - replace 'regression coefficients' by 'regression coefficient'
5. Page 8, Lines 10 and 11 - replace 'the variation in both' by 'each of the two variations in'
6. Page 11, Line -9 - replace 'predictiong' by 'predicting'
7. Page 18, Line 5 - replace 'in the a model' by 'in the model'
8. Page 18, Line 6 - 'the a Poisson' by 'the Poisson'

- Thank you very much for the mentioning the typos, we adjusted them all through the manuscript. However we did not correct 'modelling' since we use British English as language in our manuscript.

Other adjustments:
- We made some small changes to page 13, line 11-13