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Editorial Team,

Journal of Transport & Health.

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Dear Sir/Madam,

RE: A comparison of WHO-HEAT model results using a non-linear physical activity dose response function with results from the existing tool.

Please find in this submission our paper on the effect on estimated health benefits of the assumed dose-response relationship between physical activity and premature mortality. Tools like the HEAT are increasingly being used to incorporate health benefits into decision making processes in other sectors (e.g. transport). However, there is a trade-off between ease of use of these tools and the accuracy of the results generated by the tools. This paper aims to demonstrate that it is possible to improve the accuracy of a tool with minimal additional user inputs. It adds to a wider debate around this trade-off.

I recently submitted another paper using HEAT as a case-study: Impact of different valuation approaches in health economic assessments of transport-related physical activity: a case study using the HEAT. These two papers may complement each other nicely.

I hope that you find this paper a useful addition to the academic literature on this topic, and worthy of publication in your journal.

Yours faithfully,

Robert Smith