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Dr. Eduardo Franco
Senior Editor, *eLife*

Dear Dr. Franco:

On behalf of my co-authors, I would like to submit our paper titled “Anomalous temperature and intentional and unintentional injury mortality in the USA” for consideration in *eLife*.

The paper makes novel and important contributions to our understanding of how anomalous temperatures, which are expected to be more frequent as the global climate changes, affect deaths from different intentional and unintentional injuries, and to the methodologies for studying the impacts of temperature anomalies on human health.

Injuries have been a particularly under-investigated outcome in terms of the potential health effects of climate change, especially in terms of detailed impacts from different intentional and unintentional injuries, and at different ages. We used geo-coded data on all injury deaths in the USA since 1985 matched to data on temperature, and developed a novel spatio-temporal method to analyse how anomalous temperatures affect deaths from five different types of intentional and unintentional injuries, by age group and sex.

The findings show how rising temperatures may affect an important and understudied cause of death, especially in young adults, and inform environmental and health system interventions to reduce such impacts. Our methodology for studying these impacts, which more closely simulates the situation expected under a changing climate, can also be applied to other outcomes. Therefore, the paper will be of interest to researchers and policy makers in a range of disciplines with interest in epidemiology, global health and human consequences of climate change.

The paper is about 3,000 words and has five figures, with additional details presented in Supplementary Figures and Tables. We would of course be happy to take guidance from the Editors to adjust the manuscript length and organisation as needed.

This manuscript is the original work of the authors. It has not been previously published and is not under review in any other journal. All authors have contributed to the paper, have approved its submission, and take responsibility for its contents.

The following people are qualified to assess its contents and their implications, and are independent of this work:

The following independent people are qualified to review this paper:

1) Professor Patrick Kinney (environmental health; climate change health effects)

Boston University

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2) Professor Kavi Bhalla (injury epidemiology; injury prevention and policies)

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4) Professor C Arden Pope (environmental health; statistical methods)

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5) Professor Marcia Castro (climate change health effects; statistical methods; population health and environmental health)

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6) Professor Deborah Balk (spatial demography and population health; human/social dimensions of climate change)

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7) Professor Jonathan Wakefield (spatial and Bayesian statistics)

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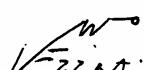
8) Professor Peter Diggle (spatial statistics; environmental health)

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We look forward to your response and would be happy to answer any questions that you may have on this paper.

Sincerely,



Majid Ezzati