* The HEAT estimates the monetary benefit associated with walking and cycling.
* The tool assumes a linear function between physical activity and mortality.
* There is consensus in the epidemiological literature that the relationship is non-linear.
* We show that using a non-linear dose response relationship can result in very different estimates.
* Further work is necessary to understand whether utilizing a non-linear function makes the tool too difficult to use.
* A wider discussion is needed about the trade-off between usability and accuracy in public health economic models.