

Peer Review Report

Review Report on The Role of Cancer in the Risk of Cardiovascular and All-cause Mortality: A Nationwide

Original Article, Int J Public Health

Reviewer: Sina Azadnajafabad

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EVALUATION

Q 1 Please summarize the main findings of the study.

The authors of this study investigated the contribution of cancer to all-cause and cardiovascular disease mortality through a robust analysis of the National Health and Nutrition Examination Survey (NHANES) cohort in the United States. Benefitting from a robust methodology and a well-gathered and curated database, this study was successful in achieving its aims in presenting the contribution of cancer to all-cause and cardiovascular mortality after adjusting for several confounders and shared risk factors of diseases. Findings of this study could be used to improve the survival of patients diagnosed with cancers who are at risk of death due to non-cancer causes.

Q 2 Please highlight the limitations and strengths.

Overall, the study design and draft are scientifically robust and the methods are presented very well that makes replication of results possible. The strong study design and statistical analysis are the most important strengths of this investigation. As well mentioned in the text, the study has some limitation which the most important one might be the cohort design of study that limits conferring causal inference between cancer and all-cause and cardiovascular mortality.

Q 3 Please provide your detailed review report to the authors. The editors prefer to receive your review structured in major and minor comments. Please consider in your review the methods (statistical methods valid and correctly applied (e.g. sample size, choice of test), is the study replicable based on the method description?), results, data interpretation and references. If there are any objective errors, or if the conclusions are not supported, you should detail your concerns.

I read the whole text and associated tables and figures with interest and I found the prepared paper well drafted. I could provide comments only on the abstract section which does not capture the great material in the main text. I do suggest enriching the methods and results parts of the abstract to present the study more fashionable through the abstract. Otherwise, all parts of the study are very well designed and drafted.

PLEASE COMMENT

Q 4 Is the title appropriate, concise, attractive?

Yes, it is.

Q 5 Are the keywords appropriate?

They are.

Q 6 Is the English language of sufficient quality?

Yes, it is.

Q 7 Is the quality of the figures and tables satisfactory?

Yes.

Q 8 Does the reference list cover the relevant literature adequately and in an unbiased manner?)

Yes, it does.

QUALITY ASSESSMENT

Q 9 Originality



Q 10 Rigor



Q 11 Significance to the field



Q 12 Interest to a general audience



Q 13 Quality of the writing



Q 14 Overall scientific quality of the study



REVISION LEVEL

Q 15 Please make a recommendation based on your comments:

Minor revisions.