Reviewer’s report

Title: Early-life Exposure to the Chinese Famine of 1959-61 and Risk of Hyperuricemia: Results from the China Health and Retirement Longitudinal Study

Version: 0 Date: 14 Nov 2019

Reviewer: Yueping Shen

Reviewer's report:

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This manuscript explores Early-life Exposure to the Chinese Famine of 1959-61 and Risk of Hyperuricemia: Results from the China Health and Retirement Longitudinal Study. The innovation of this study is not very strong, but it can supplement the long-term impact of famine on survivors in some degree. However, I have some major concerns:

1. Page 3, Lines 23-28: Why adjust hypertension and diabetes in the model when used unconditional logistic regression to calculate OR and 95% CI for risk of hyperuricemia? I think this adjustment may introduce other potential confounding factors and reduce the accuracy of the estimation.

2. Page 3, Line 32: The full name of SPSS should be Statistical Product and Service Solutions, which was modified in 2000.

3. Pages 3, Lines 38-39: Statistical statistic and P-value should be provided and be used to determine whether the differences between the groups are similar. In addition, in table 1, the comparison between groups should have a total statistic and P-value such as F or Chi-square value, rather than only giving a Bonferroni correction P-value marks.

4. Page 3, line 55: 95%CI has the same effect as P value, so P value can be removed directly as well as in the Table 2 and Table S2.

5. Page 4, Lines 7-8: What other covariates have been adjusted to include? Please state this in the text or label it at the bottom of the table.

6. Page 4, Lines 58-60: The discussion about interaction is unconvincing and does not seem to have much to do with the results of the study. I suggest further interaction analysis between early-life exposure to famine and famine severity be performed to add the reliability.
Are the methods appropriate and well described?
If not, please specify what is required in your comments to the authors.

Yes

Does the work include the necessary controls?
If not, please specify which controls are required in your comments to the authors.

Yes

Are the conclusions drawn adequately supported by the data shown?
If not, please explain in your comments to the authors.

Yes

Are you able to assess any statistics in the manuscript or would you recommend an additional statistical review?
If an additional statistical review is recommended, please specify what aspects require further assessment in your comments to the editors.

I am able to assess the statistics

Quality of written English
Please indicate the quality of language in the manuscript:

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