Reviewer’s report

Title: Health, work and demographic factors associated with a lower risk of work disability and unemployment in employees with lower back, neck and shoulder pain

Version: 1 Date: 25 Oct 2019

Reviewer: Julie Agel

Reviewer's report:

Thank you for your responses

I still find the use and non-use of twins to be confusing. Please add something in your introduction to clarify that your database is based on twins but they are not the primary focus.

Are you considering familial factors to equal twins - perhaps equate them clearly; familial factors as represented by twins - and then why you have some in your database

Line 24 - Does this adequately address that twins may not work at the same job and thus not have the same risk for low back pain - do you know how different the twins were in the socio-economic and work status

Table 1 - I continue to have trouble following your sample - you indicate that this is 5,556 twins but based on earlier responses not everyone has their twin in this sample so it is subjects -- all of whom happen to be twins but not that their twins are included in this data

Perhaps expand Figure 1 to include how many twins are actually in your dataset versus just one

I will defer to the Editor but I would consider re-organizing your manuscript to make the fact that you are a twin with that twin present in the study a variable handled like the other variables. I think that because your data came from a Twin focused database you are emphasizing this and it is confusing, at least to me, but in reality you are just using this extra variable in an interesting fashion.
I believe job control is not common terminology in the US ENglish population so perhaps consider different terminology especially in the conclusion.

**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:

Needs some language corrections before being published

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