

Peer Review Report

Review Report on Leisure-time physical activity participation in middle-aged and older adults with a spinal cord injury in Australia

Original Article, Int J Public Health

Reviewer: Sina Azadnajafabad

Submitted on: 16 May 2024

Article DOI: 10.3389/ijph.2024.1607276

EVALUATION

Q 1 Please summarize the main findings of the study.

This study explores leisure-time physical activity (LTPA) among middle-aged and older adults (≥ 45 years) with spinal cord injury (SCI), using data from an Australian survey. The analysis found that 44% of these individuals did not participate in any LTPA. Notably, women and those with non-traumatic SCI were less active. The study did not find a significant relationship between the duration since injury and participation in moderate-to-heavy LTPA.

Q 2 Please highlight the limitations and strengths.

Limitations: cross-sectional design, self-reported data report, recruiting only a subset of patients with SCI excluding some groups of patients and also limiting the age to 45 years and older

Strengths: large sample size, relatively representative sample, robust statistical analysis

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.

1. Lines 6–9: please provide a definition of LTPA and more details if there is a specific criteria for it.
2. Lines 14–17: please enrich the results in abstract with more statistics.
3. Lines 24–34: please provide some information about the epidemiology of SCI in Australia and its trends.
4. Line 110: do authors mean the “multivariable” linear regression?
5. Lines 111–112: could authors please explain about the logic of selection of the list of covariates included in the regression analysis?
6. Line 115: please explain about the method used to define and detect the extreme outlier values?

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?

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.