Reviewer’s report

Title: Risk factors for hip fracture in New Zealand older adults seeking home care services: A national population cross-sectional study

Version: 0 Date: 24 Jan 2019

Reviewer: Reviewer 2

Reviewer’s report:

PEER REVIEWER ASSESSMENTS:

OBJECTIVE - Full research articles: is there a clear objective that addresses a testable research question(s) (brief or other article types: is there a clear objective)?

Yes - there is a clear objective

DESIGN - Is the current approach (including controls and analysis protocols) appropriate for the objective?

Yes - the approach is appropriate

EXECUTION - Are the experiments and analyses performed with technical rigor to allow confidence in the results?

Yes - experiments and analyses were performed appropriately

Statistics - Is the use of statistics in the manuscript appropriate?

Yes - appropriate statistical analyses have been used in the study

INTERPRETATION - Is the current interpretation/discussion of the results reasonable and not overstated?

No - there are minor issues

OVERALL MANUSCRIPT POTENTIAL - Is the current version of this work technically sound? If not, can revisions be made to make the work technically sound?
Yes - current version is technically sound

PEER REVIEWER COMMENTS:

GENERAL COMMENTS: My overall impression is that this is a valuable addition to the literature on fall risk factors in community-dwelling older people with complex needs, and specifically adds to the literature in the New Zealand population.

Strengths

The methodology was appropriate with a large sample in a prospective cohort design.

Weaknesses

The discussion could have been enhanced in order to provide more rationale for some of the findings observed, particularly the lower risk of hip fracture in ethnic groups including Māori and Pasifika. For instance, work in which higher BMD in these ethnic groups could be a protective factor that would be worth citing.

It would also be of interest to compare the prevalence of hip fracture in the present study with that reported in other studies, both in New Zealand and in other countries.

REQUESTED REVISIONS:

It would be worth adding some additional explanation of potential reasons for the results observed, such as the differences between different ethnic groups.

Note: This reviewer report can be downloaded - see attached pdf file.

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.
No

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:

Acceptable

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