Reviewer's report

Title: Sedentary behaviours and its association with bone mass in adolescents: the HELENA cross-sectional study

Version: 2 Date: 21 August 2012

Reviewer: Janet Shaw

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Minor Essential Revisions

1. When referring to low BMC, it seems most appropriate to use >/= to 1 SD below the mean since it's unlikely that all participants with low BMC were exactly at 1SD below the mean. Or perhaps use "at least 1 SD below the mean."

2. Line 78: When referring to PA guidelines for children and adolescents, mention somewhere in this section that 60 minutes refers to daily activity or at least 60 minutes per day.

Discretionary Revisions

The following are editorial recommendations.

1. Line 67: "determines" should be "determine"
2. Line 85: remove the apostrophe (,)
3. Line 93: remove "the"
4. Line 94: add "and lean mass as confounders"
5. Line 116: remove "that"
6. Lines 245-6: Suggest alternate wording such as "Despite the disappearance of significant differences....." and on Line 247: change "to" to "toward"
7. Line 287: Change "strong" to "strongly"
8. Line 310: Change "to a worse" to "to poor"

Level of interest: An article of importance in its field

Quality of written English: Acceptable

Statistical review: No, the manuscript does not need to be seen by a statistician.

Declaration of competing interests:
I declare that I have no competing interests.