Reviewer's report

Title: Body Composition, Water turnover and Physical activity among women in Narok County, Kenya

Version: 1 Date: 28 February 2014

Reviewer: Maciej Buchowski

Reviewer's report:

Major compulsory changes;
Wear time should be reported. The rationale for dividing the group into rural and urban should be clarified. The goal of the study should be clarified.

Minor Essential Revisions:
The method for selecting women to the study should be described (population size and description, method used for random selection).
Vm units (counts) could be expressed in as n*10^3 (power).
Several statements in discussion require referencing. For example:
High humidity in a hot climate makes it hard for the body’s natural cooling mechanism of sweating to take place and the body compensates by working harder to cool off and overheating or heat exhaustion can occur. This may lead to dehydration and chemical imbalance within the body.

Thus, for women in most Kenyan communities who have the responsibilities of being key providers for their families and especially children, if water needs are not met, their nutritional status may be compromised and their ability to provide for the household will be limited due to dehydration.

However, physical activity in most sub-Saharan African communities comes as part of the daily activities

Comparing the study results to unpublished data is questionable.

Level of interest: An article whose findings are important to those with closely related research interests

Quality of written English: Needs some language corrections before being published

Statistical review: Yes, but I do not feel adequately qualified to assess the statistics.

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