Reviewer’s report

Title: World-wide research architecture of vitamin D research: density-equalizing mapping studies and socio-economic analysis

Version: 1 Date: 01 Nov 2017

Reviewer: Barbara Boucher

Reviewer's report:

Review of NUTJ-D-17-001123RT1

The revision of this MS has addressed the various matters raised by the two reviewers pretty well though there are still a few points that need to be addressed and a few typos to be corrected, as follows:-

General.

1. The term levels is still used where the correct term is concentration[s], i.e. for measurements of 25(OHO)d concentrations.

Specific points:- by page + line number of the text with the tracking fully visible

Page 5, line 25, line 238, and further on as well. Vitamin D has not been measured in this study, but its metabolite, 25(OH)D. Thus, it would be better to use the correct term throughout; alternatively use the term 'vitamin D status' throughout, with [serum 25(OH)D concentration] in brackets after that term the first time it is used. Line 48, insert 'annually' after 20352622.

Page 6, line 25, insert and before policy makers; line 42, try 'to date' instead of 'until today'.

Page 8, line 51, the word before 'articles' has been lost, please replace it.

Page 11, check that lines 20-22 read as they should.

Page 12, line 15, and in respect of their .....?

Line 46 is unclear, do you mean, ' .......refined the search to identify synthetic and pharmaceutical forms of vitamin D3?'

Page 16, line 15, ... type was bilateral ..... 

Page 17, line 36-37, the most common category in all ?
for health were common among.....'

of regional, non-English language journals....

Page 21, line 18, I think you need to say why gestational diabetes was picked as a topic for this comparison?; line 49, ' .... speculate on whether the .... [not weather the!]

Page 22, line 11, ..the similarity most likely depended on ..... 

Page 23, line 35, ...largely similar for other topics ...line 45, hence significance must be attributed to this matter in relation to many health issues?

Page 24, line 26, ... all articles on this topic?

Page 33, figure legends, line 23-4, please put threshold 30 vitamin D related articles in brackets, for clarity, and consider doing the same in line 44-5.

Note that figures 6 and 7 failed to download and have not, therefore, been looked at.

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