Reviewer's report

Title: External validation of type 2 diabetes computer simulation models: definitions, approaches, implications and room for improvement—a protocol for a systematic review.

Version: 0 Date: 30 Nov 2017

Reviewer: Rosie Dew

Reviewer's report:

Sentence on line 39-40 in 'study objective and rationale section' "The scope of our upcoming review will be limited to T2DM models for human populations based on computer simulation techniques" could go at the beginning of the section as it seems a little repetitive where it is currently placed.

Inclusion and exclusion criteria described in 'Eligibility criteria' section would be easier to read if it was presented in a PICOS table.

Also in 'Eligibility criteria' section; define IGT, IFG and high-HbA1c, define long or short term projections in terms of length, define or give examples of risk factors

Table 1 could be included in the text as a preliminary search strategy example rather than in the appendix

The second and third paragraphs under 'Study selection' section begin in a similar fashion e.g. with 'second' and 'third'. This should be rewritten to reduce repetition of writing style and give more flow to the section.

Line 35-36 under 'Additional data sources selection' section "We will make a survey of completeness of identified models among experts in the field with a prefinal list of the identified models" could be rewritten to provide more clarity.
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