Reviewer’s report

Title: Establishing spatially-enabled health registry systems using implicit spatial data pools: Case study – Uganda

Version: 1 Date: 22 Aug 2019

Reviewer: Reviewer 2

Reviewer's report:

PEER REVIEWER ASSESSMENTS:

OBJECTIVE - Full research articles: is there a clear objective that addresses one or several testable research questions? (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 sufficient technical rigor to allow confidence in the results?
N/A - no experiments or analyses

STATISTICS - Is the use of statistics in the manuscript appropriate?
N/A - there are no statistics in this study

INTERPRETATION - Is the current interpretation/discussion of the results reasonable and not overstated?
Yes - the author's interpretation is reasonable

OVERALL MANUSCRIPT POTENTIAL - Has the author addressed your concerns sufficiently for you to now recommend the work as a technically sound contribution? If not, can further revisions be made to make the work technically sound?
Probably - with minor revisions

PEER REVIEWER COMMENTS:

GENERAL COMMENTS: The revised manuscript have been well written. The authors have attended to the comments of the reviewer and has merit for publication.

REQUESTED REVISIONS:
The authors proposed to extract spatial data residential water meters is novel. My questions
1. Is water supply in Uganda, centrally managed?
2. How does the database handle patients residing in a location which is not their property and may not have access to the water meter. Or patients from different family residing in the same location.
3. Does Uganda have high resolution maps of the entire country that is suitable for patients to identify their residence?

ADDITIONAL REQUESTS/SUGGESTIONS:
The use of the word 'invisible' in the title should be replaced with the geocoded water meter number and high resolution digital maps.

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.

Yes

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.

Not relevant to this manuscript

Quality of written English
Please indicate the quality of language in the manuscript:

Acceptable

Declaration of competing interests
Please complete a declaration of competing interests, considering the following questions:

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manuscript, either now or in the future?

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