Reviewer’s report

Title: A proof-of-concept framework for the preference elicitation and evaluation of health informatics technologies: the online PRESENT patient experience dashboard as a case example

Version: 1 Date: 04 Feb 2019

Reviewer: Arianna Dagliati

Reviewer's report:

While suggesting a thoughtful reorganization of the manuscript, authors did a very little on that, especially in trying to precisely define their research question and outcomes and to efficiently linking experimental design and results.

While they provided some additional literature about DCE, they failed in doing the same for actual dashboard-based systems implementation in healthcare.

While a PRESNET dashboard description is not available via literature, I would expected authors to improve its description in the manuscript rather than providing a link to that.

Table 1 should also report the distribution of participants in the stakeholder categories.

Is not clear where is shown that "more detail should not be necessary as research shows that whatever their identity, if they are in the right education/literacy range, they should be able to pick up any issues."

I'm still convinced that a graphical representation of the experimental design is necessary. Also if you state "As experimental design is a large research-active statistical field we opt not to delve into the actual procedures of experimental design but let the interested reader follow through in the references." I don't see why you still include a paragraph titled "Experimental design"?

As for the PRESNET dashboard, only providing a link to the JMP software (which of course should be included) is not useful to explain how you exploit it within your project.

I agree on the reply to comment number 8 and author response clarifies the point, although while re-reading the revised paper from the beginning, my concerns arose again, and I think (again) this is due to a poorly organized/clear method section.

I'm still suggestion to rethink the manuscript organization also in order to better link methods and results.

Figure 2 is missing.

My comment about user experience was meant to suggest an addition in the discussion regarding for example holistic, evidence based frameworks (e.g. CeHRes) for end-to-end design and development processes in design and implement health informatics technologies.
Are the methods appropriate and well described?
If not, please specify what is required in your comments to the authors.

No

Does the work include the necessary controls?
If not, please specify which controls are required in your comments to the authors.

No

Are the conclusions drawn adequately supported by the data shown?
If not, please explain in your comments to the authors.

No

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.

I am able to assess the statistics

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:

1. Have you in the past five years received reimbursements, fees, funding, or salary from an organisation that may in any way gain or lose financially from the publication of this manuscript, either now or in the future?

2. Do you hold any stocks or shares in an organisation that may in any way gain or lose financially from the publication of this manuscript, either now or in the future?

3. Do you hold or are you currently applying for any patents relating to the content of the manuscript?

4. Have you received reimbursements, fees, funding, or salary from an organization that holds or has applied for patents relating to the content of the manuscript?

5. Do you have any other financial competing interests?

6. Do you have any non-financial competing interests in relation to this paper?
If you can answer no to all of the above, write 'I declare that I have no competing interests' below. If your reply is yes to any, please give details below.

none

I agree to the open peer review policy of the journal. I understand that my name will be included on my report to the authors and, if the manuscript is accepted for publication, my named report including any attachments I upload will be posted on the website along with the authors' responses. I agree for my report to be made available under an Open Access Creative Commons CC-BY license (http://creativecommons.org/licenses/by/4.0/). I understand that any comments which I do not wish to be included in my named report can be included as confidential comments to the editors, which will not be published.

I agree to the open peer review policy of the journal