**Reviewer’s report**

**Title:** Eliciting meta consent for future secondary research use of health data using a smartphone application - A proof of concept study in the Danish population

**Version:** 0  **Date:** 08 Dec 2016

**Reviewer:** Megan Doerr

**Reviewer's report:**

This is a well written, well structured, and interesting investigation.

There are several points, that if addressed, would significantly enrich this manuscript:

- Is the distribution of education levels seen in the sample representative of the Danish population as a whole? Were there any differences in responses by education level?

- Was socioeconomic status used to target recruitment for this study? If not, why not? Was SES a factor in who participated (e.g., in ownership of a suitable device for participation)? What are the potential implications of this for the conclusions reached?

- What work might be done to assess participant understanding of the concepts presented within this consent framework? Why would this be an important next step in this investigative pathway?

- I notice the apparent reluctance of participants to sharing of their data for private commercial research and international research and, to some extent, for private commercial research (Table 3). Although the ongoing ethical conversation about secondary use of data in research is alluded to in the Background, the implications of this type of approach to consent for research are not discussed despite presenting data -- like that in Table 3 -- that has very real implications for research. It appears that the authors are keeping a very tight focus on this work as a pilot of usability, yet I feel strongly that there is more that can be said here (and that additional thought/reflection would bring the article more in line with the other papers within this journal.)

**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.

I recommend additional statistical review

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Acceptable

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