



Giovanna N. Vilaza and Jakob E. Bardram

Department of Health Technology, Technical University of Denmark, Lyngby, Denmark

Research Focus

Behavioural and affective data: personal and \bullet physiological data collected passively and actively from smartphones and wearables



Requirements:

- Sharing has to be beneficial for individuals or
- Data can be used for personal self-tracking, but it lacksquarecan also be **shared** with circles of support, clinicians and researchers
- What new dilemmas, opportunities, risks and \bullet requirements do shared-access platforms create?



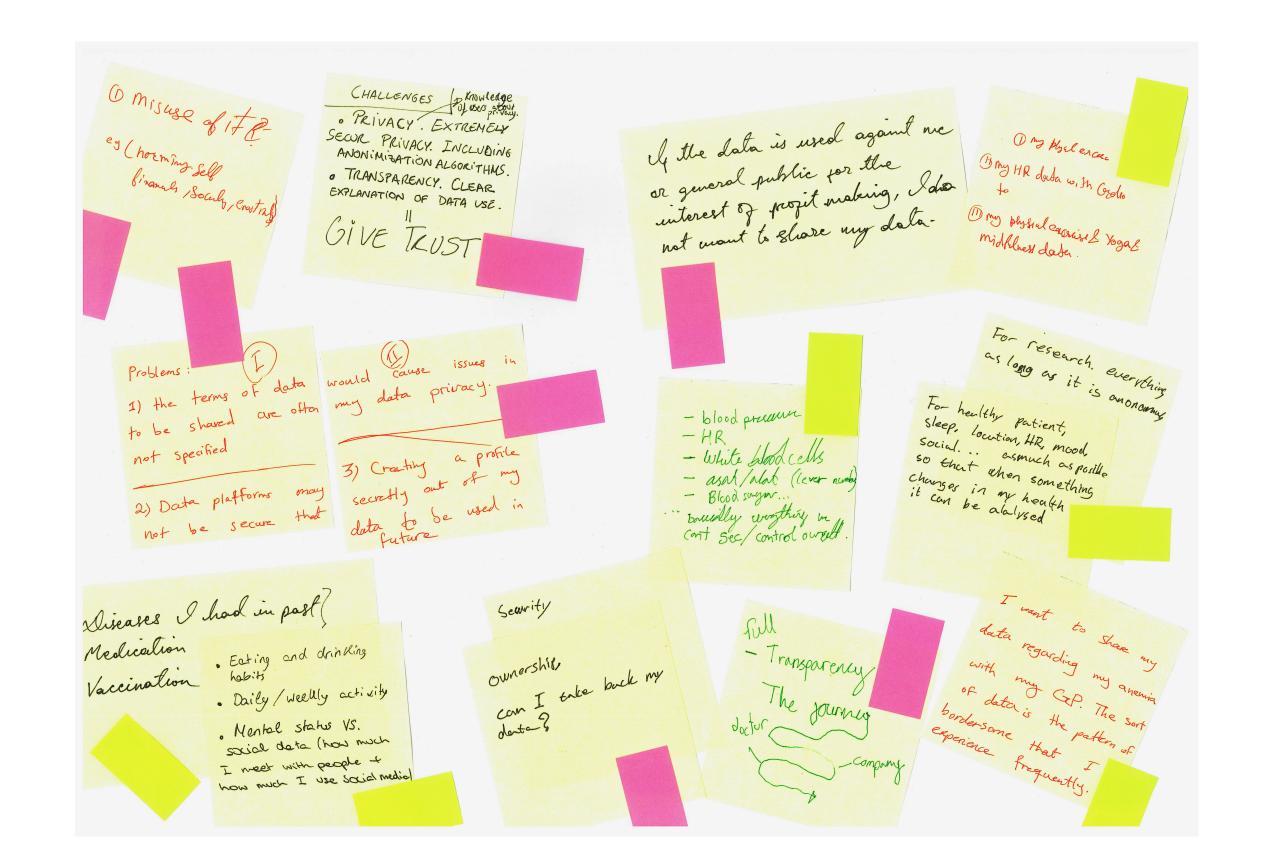
Providing open-access to self-tracked data may bring benefits but may also disclose sensitive and intimate details of users' lives

Previous Research

- society
- More transparency and control over how the data is used now and in the future
- A relationship of trust with those who access the data is required
- Better data protection mechanisms and better communication with users are needed

Open Challenges:

- Data can be misused (for profit of third-parties)
- Some data can bring social stigma (diagnosis)
- Users do not trust current privacy approaches
- Users do not understand the consent terms
- Sharing some data types is not common yet



- It is difficult for users to foresee all the **risks** before sharing data [2]
- The willingness to share data challenges the **needs** of clinicians and researchers [4]
- Issues on how to adequately provide visual **representations** of the data to each user group [1]

Methods

- Focus Group + Future Thinking workshop
- Six participants: developers and designers of smartphone sensing platforms for healthcare
- Semi-structured questions/tasks
- Data Analysis: Thematic Analysis [3]

Participants' notes during the focus group

Future Work

- To investigate how users perceive different data types: risks and acceptability
- To review existing data sharing applications

References

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3. Virginia Braun and Victoria Clarke. Using thematic analysis in psychology. Qualitative research in psychology, 3(2):77–101, 2006. 4. Christina Kelley, Bongshin Lee, and Lauren Wilcox. Self-tracking for mental wellness: understanding expert perspectives and student experiences. In Proceedings of the 2017 CHI Conference on Human Factors in Computing Systems, pages 629–641. ACM, 2017.



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