# Shared-Access Platforms for Behavioural and Affective Data: Requirements and Open Challenges

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## Research Focus

- **Behavioural and affective data:** personal and physiological data collected passively and actively from smartphones and wearables
- Data can be used for personal self-tracking, but it can also be **shared** with circles of support, clinicians and researchers
- What new dilemmas, opportunities, risks and requirements do shared-access platforms create?

## Previous Research

- 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]

## Findings

### Requirements:

- Sharing has to be beneficial for individuals or 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

## Future Work

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

## References