Technology acceptance of the EXPERT tool for guideline-based exercise prescription is strongly influenced by the organizational context

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Background

Decision support systems have the potential to increase compliance of exercise prescriptions to evidence based guidelines. Yet, less evidence exists on willingness to adopt such systems in clinical practice.

Aim

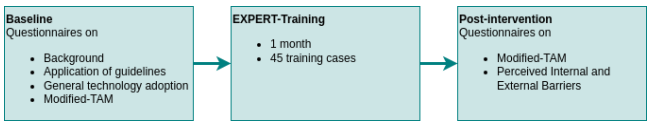
Assess the technology acceptance of the **EXPERT tool**.

Hypothesis

Technology acceptance of the decision support system is influenced by both **internal** and **external** factors.

Methods

Non-randomized intervention consisting of a **one-month** training with the EXPERT tool.

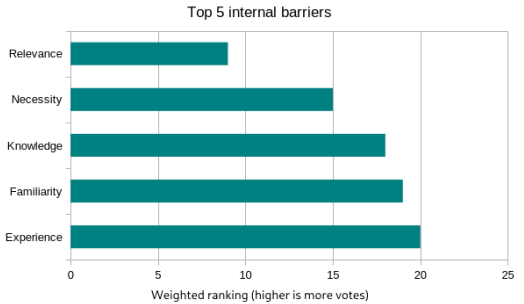


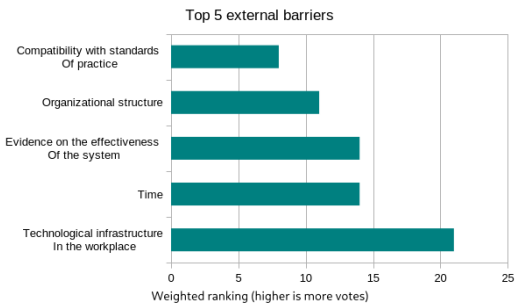
Results

24 out of 122 participants completed the study (15 female, 16 age <30)

Significant negative correlation between **workspace** (**hospital**, n=10) and TAM-categories:

- **Perceived usefulness** (p=0.001, rho=-0.624)
- **Perceived ease of use** (p=0.019, rho=-0.477)
- **Attitude** (p=0.002, rho=-0.609)
- **Subjective norm** (p=0.007, rho=-0.539)





Conclusion

Organizational factors and barriers might be more decisive to technology acceptance than personal beliefs or technological attributes.

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