

## (Dis)trust in medical technologies and medical support considering (severe) health decisions

### About me

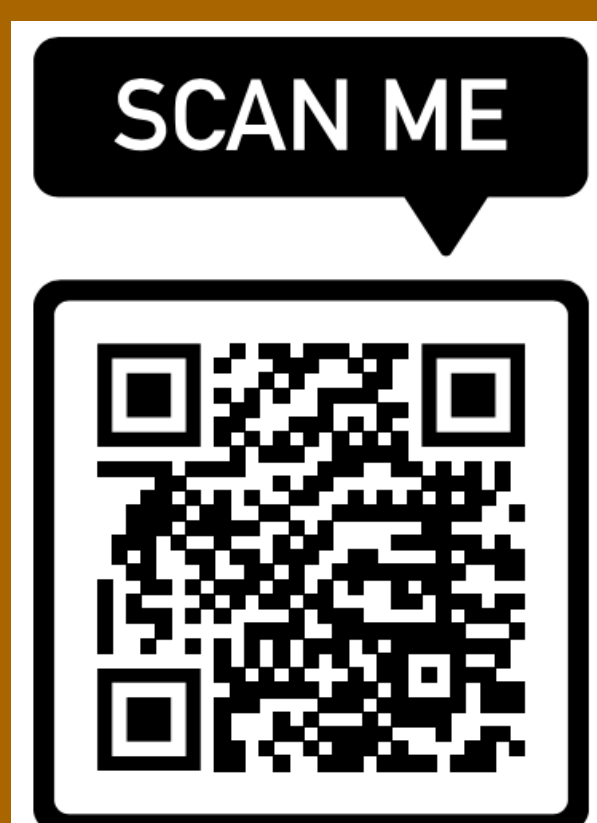
- **PhD** in psychology ['21-10/'24]
  - ▷ RWTH Aachen, DE
- **MScRes** in psychology ['20-'21]
  - ▷ University of Edinburgh, UK
- **BSc** in psychology ['17-'20]
  - ▷ Tilburg University, NL
- **specialisations:**
  - ▷ clinical, medical health- and neuropsychology

- born in 1998 and living in Cologne, DE
- enjoy running, skiing, hiking, reading, cooking, and baking
- will always choose mountains over the ocean
- night owl

### Experience

- **Visiting researcher**
  - ▷ University of Alicante, ES
- **Internship:** Work with disabled individuals
  - ▷ Lebenshilfe, DE
- **Internship:** Care work with older adults
  - ▷ Rheinlandklinikum, geriatrics department, DE
- **Voluntary research assistant**
  - ▷ Tilburg University, NL

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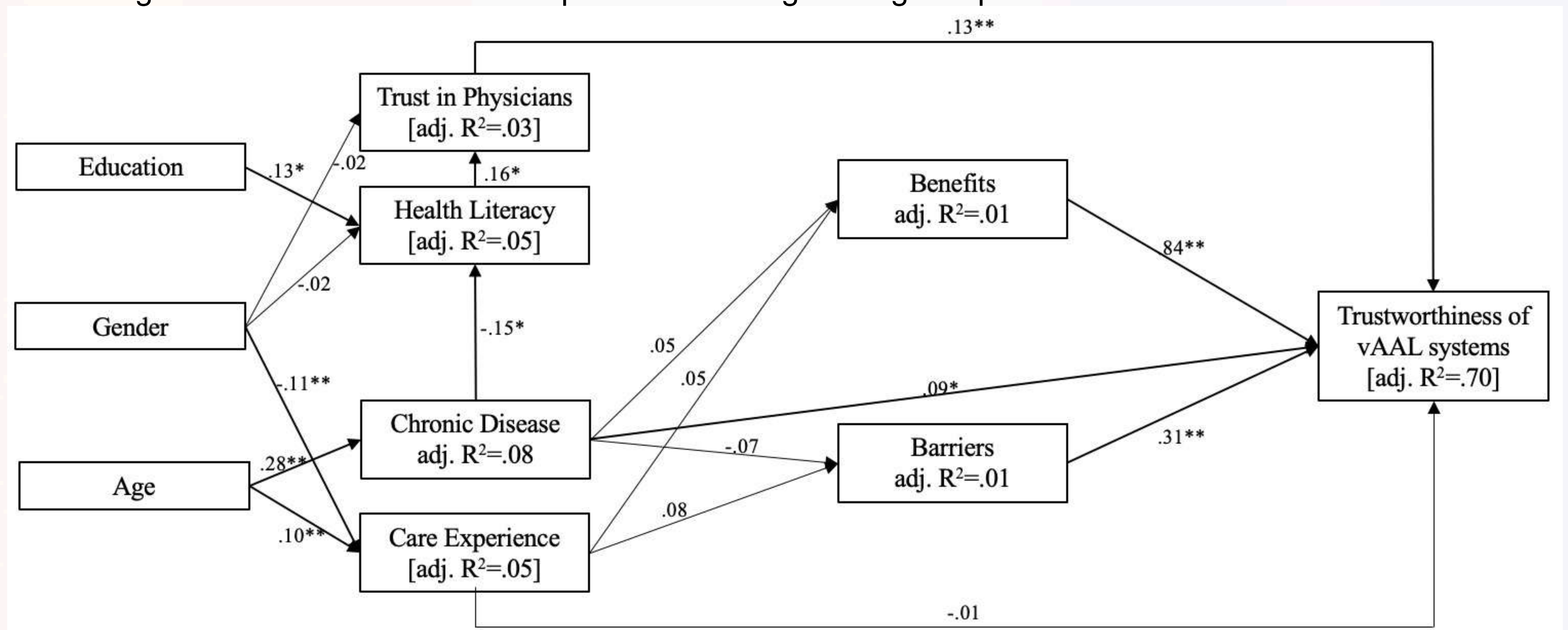
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### About the project

This project investigates the predictors of trust in medical AAL systems and under which conditions these are seen as (not) trustworthy. It also considers the role of health situations or life-altering health decisions that impact the need for assistance.

Qualitative (i.e., interviews and focus groups) and quantitative analyses (i.e., repeated measures ANOVA's, exploratory factor analyses, conjoint analyses, and structural equation modelling) were carried out to identify what trustworthiness of video-based AAL systems is and what factors influence these perceptions. Demographic and health-related variables, including care experience, presence of chronic illness, trust in physicians, and health literacy were considered. The results will be used to develop communication strategies and assessment criteria for people who might benefit from these types of technological systems.

Figure 1. Results of structural equation modelling looking into predictors of trustworthiness



- 01 Health-related variables (e.g. health literacy) and health changes are important for evaluations of trustworthiness
- 02 Severe health decisions change people's perception of vAAL system
- 03 Integrity of people involved in using vAAL systems play major role in people's decision to trust vAAL systems and are predicted by trust in treating physicians

### Future interests

My main interests centre around the understanding of what leads people to live healthy and autonomous lives and how we can increase health-promoting behaviours:

- developing and testing protocols to foster healthy lifestyles
- understanding conditions within the healthcare system that influence trust in medical professionals
- engaging with individuals and working closely together to achieve health-related goals