Realitylab

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Realitylab

- 2017
- An arena for elderly, relatives, staff, researchers, students, entrepreneurs
- Steering group
- Co-creation with endusers
- Design thinking
- www.verklighetslabbet.se
Processmodell

**Behovsanalyser**
Seniorer, personal, anhöriga, chefer, volontärer

**Design för existerande och framtida äldreboenden**

**Utveckling, testning och implementering digitalisering för seniorer och hem**

**Samskapande**
Seniorer, personal, anhöriga, chefer, volontärer

**Entreprenörer/Innovatörer (25+)**

**Äldreomsorg (500+)**

**Forskning (20+)/Studenter (300+)**

**Organisatorisk utveckling**

**Företag/produkt - utveckling**
Implementering
Testning
Forsknings-rapporter
POSITIVE – randomised controlled trial

- International collaboration, Poland, Spain
- Target to recruit 150 participants
- Collaboration with primary care center
- Digital solution for health and wellbeing for elderly
- Realitylab contributed as testleader, seminariumleader for elderly and staff about fragility

Needs of more knowledge

• Clarity and safety collaboration using digital solutions for elderly by different actors, primary care center, nursing home etc
• Easy understanding and use of technical devices to maintain health for elderly in their own household
• How digital assistants for elderly in their own household
Sensors for safe sleeping

- Tested in nursing home 2018-2020
- Tested in service house 2021-2022
- Development of product – fifth wheel
- Detecting moving patterns
- Individual alarm settings related to level of physical function

https://www.safebase.se/
Needs for further knowledge

- Clarity regarding login guidelines and legislation
- Secured system for incoming information
- Movement patterns and errors – ensure that the staff’s analysis of incoming information is correct and is not affected by other factors.
- Need of ensuring correct detections of movement patterns regardless of using for an example a pressure-relieving mattress.
- Research for evidence regarding working environment, safe and secured sleeping
PU sensor: project started 22-O3-10

Prevention for pressure ulcers

- Project in 2 city district
- Classified as a medical product, class 1.
- Complement for subjective assessments
- Purpose for testing is to investigate userfriendly as a product, workmethod, safety.

https://pusensor.se/
Need for more knowledge

• A broad market of various different digital solutions – not easy to know which product is most useful in different settings.
• Product has a need to be compatible for existing platforms

Other needs of interest:
• Digital support and use for documentation everyday life for elderly
• Support/understanding/learning about flows and logistic at elderly homes
• Pandemic – digital solutions that creates safety, safe visiting, infection control
• Air and sound – solutions for healthy living- and working environment