a research perspective...

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Agenda

- MobiHealth & Research
- Vision & Themes
- Projects
- Conclusions
Why research?

• MobiHealth develops and sells telemedicine products in the (regular) healthcare market.

• Research is needed:
  • relative ‘young’ area, the ‘golden path’ is not clear, lots of possibilities to explore!
  • (partially funded) way to realize innovations
  • validation is crucial for market adoption in healthcare
  • collaboration with external parties generates business opportunities
MobiHealth & Research

• Support business and development by:
  • validating products
  • developing product innovations

• Open-innovation with other partners

• Type of research projects:
  • Market-oriented projects
  • Validation projects
  • Innovation projects
  • Student projects
MobiHealth vision

- There is a shift from acute to chronic care.
- Increasing amount of ‘low-cost’, clinically validated, vital sign sensors.
- Patients perform self-management of their health using personalized telemedicine solutions.
- Patients and caregivers will be supported by (semi-)automatic decision support systems.

Implications:
- Patient measurement data becomes more objective.
- Caregivers and patients become a team in a coordinated treatment plan.
- Patients in-charge of ‘simple’ or repetitive tasks in their treatment plan such as measuring vital signs or reacting to questions and recommendations.
- Patient and caregivers interact on things that matter.
- Caregiver becomes a controller rather than an executor.
Research themes

- Products and services for cardio-vascular risk management
- Semi-automatic (mobile) decisions support systems
- Middleware for (user) tailoring of telemedicine services
- Context-awareness for personalized patient guidance
- Bring-Your-Own-Device
- Business modeling of telemedicine services
- User requirement capturing tailored to the telemedicine domain
- Measuring and ensuring end-user quality of experience (QoE)
- Integration of multi-source data in personal health records (PHR) for care management
• **U-care - User tailored care services**

• **COPD**

• **Context-awareness / location awareness**

• **Personalized treatment plans using business process modeling**

• **Tele-monitoring of Weight, BP, SpO₂**
Project

• FP7 - MobiGuide
  • Atrial Fibrillation & Gestational Diabetes
  • Personalized and guideline-based guidance of patients
  • Knowledge, Data, Recommendations
  • Tele-monitoring of HR, AF, Glucose, BP, Physical activity
  • Technical management
Conclusions

• To MobiHealth, research is valuable for its overall business because it facilitates validation and innovation.

• Enable decision support to caregivers and personalized guidance to patients, thereby facilitating self-management and coordinated treatment plans.

• Open-innovation with partners with complementary expertise.

• Available for collaboration in project (proposals), just give us a ring....
Thank you for your attention!
Questions?

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