telemedicine + personalized care

Tele-blood pressure monitoring

Research the introduction of tele-blood pressure monitoring in Germany

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mobihealth® putting care in motion

Twents Laboratorium voor Telegeneeskunde

Fachhochschule Münster University of Applied Sciences

BP@Home my bloodpressure service

bauer engineering

RETOMED

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Kick-off-Meeting

Introduction

- MobiHealth is a R&D company that develops and exploits innovative telemedicine services.
  - Integrate available sensory hardware in our software platform to deliver usable, robust, secure and business viable services and applications
  - Products range from mobile smartphone-based to stationary web-based solutions
  - Focus on services and applications to perform cardio-vascular risk management
  - Commercially available service in the Netherlands called BP@Home

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Tele-blood pressure monitoring

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- Enables patients to measure their blood pressure at home and send them via the Internet to their care professional.
- Web-based system, using an USB connection to retrieve data from a ESH compliant blood pressure monitor.
- High quality, low pricing
- Deployed in approx. 16 hospitals and 300 patients in the Netherlands.

4. Hoe gebruiksvriendelijk vindt u de BP@Home dienst? Diagram maken Downloaden

	Reactie percentage	Reactie telling
Niet	0,0%	0
Slecht	0,0%	0
Matig	2,2%	2
Goed	63,7%	58
Heel goed	34,1%	31
	beantwoorde vraag	91
	overgeslagen vraag	0

8. Zou u de BP@Home dienst aanraden aan anderen? Diagram maken Downloaden

	Reactie percentage	Reactie telling
Ja	86,8%	79
Misschien	7,7%	7
Nee	0,0%	0
Geen mening	5,5%	5
	beantwoorde vraag	91
	overgeslagen vraag	0

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Project Fact Sheet

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- **Hypothesis:**
  - the characteristics of BP@Home provides a solid foundation for the successful introduction and exploitation of telemedicine services in Germany

- **Goal:**
  - Research the introduction and exploitation of a tele-blood pressure monitoring service in Germany

- **Partners:**
  - MobiHealth B.V. (lead partner, SME)
  - BP@Home B.V. (SME)
  - Twents Lab voor Telegeneeskunde (Research centre)
  - Retomed Health B.V. (SME)
  - Fachhochschule Münster (Research centre)
  - Bauer GmbH (SME)

- **Budget: 970 kEUR**

- **Duration: Nov 2010 - Nov 2013**

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Subjects of research

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- RCT (Champion Internal medicine, tbd)
  - Medical validity: quicker to target values, therapy compliance, self-management
- Professional evaluation (approx. 6 care professionals, tbd)
  - Usability by care professionals
- Human factor evaluation (Fachhochschule)
  - Usability by patients
  - (Physical) security aspects
- Innovative design for a community solution
  - Design and test of community upload facility
  - BP@Home Kiosk

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Planning and status

- Phase 1: Preparation (nov 2010 - sept 2012):
  - find clinical specialist, requirement engineering, prepare evaluations
- Phase 2: Design and development (sep 2011 - sept 2012)
  - design and implement BP@Home kiosk
- Phase 3: Execution of evaluations (sept 2012 - jul 2013)
  - execute and support the different evaluations
- Phase 4: Analysis (jul 2013 - nov 2013)
  - create final results, implementation model

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Thank you for your attention!

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