Closed Supply Chain

expert system

predictive monitoring 24/7

data-communication

home environment with bio-physical sensor network

care provider
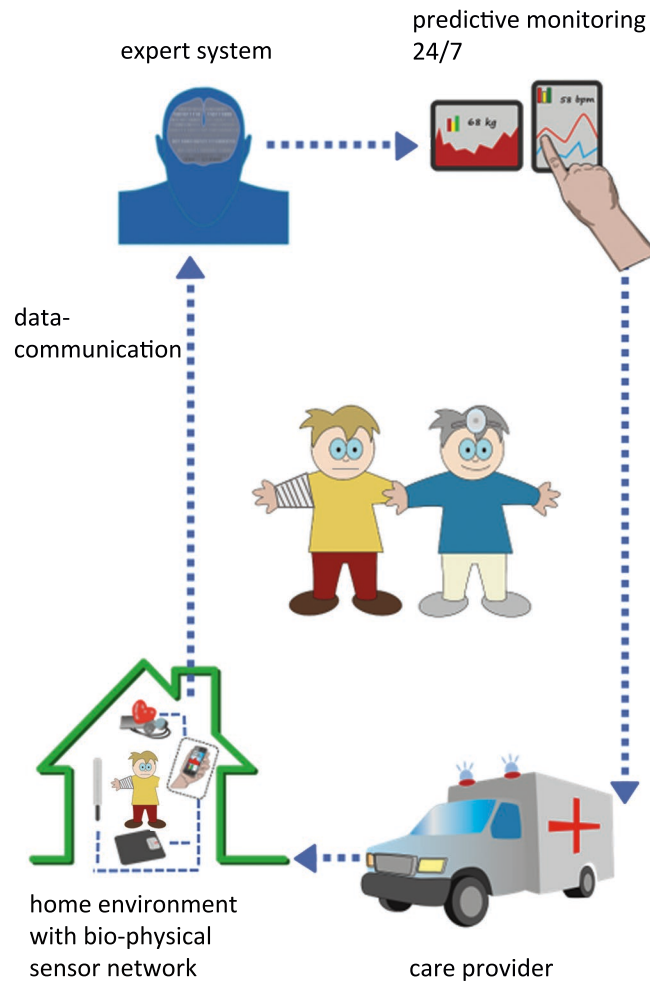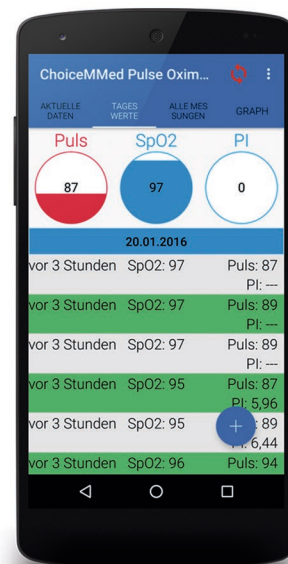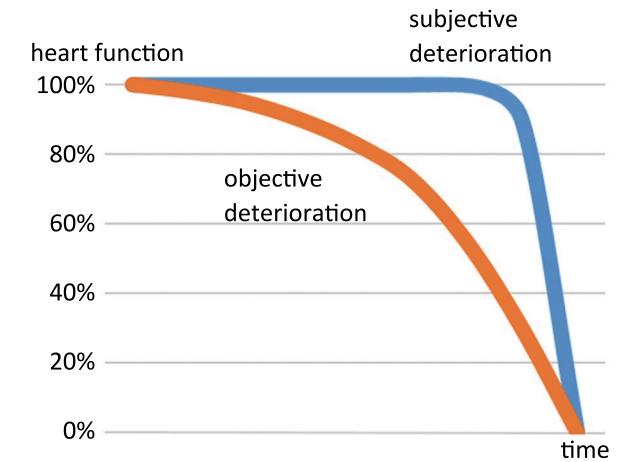
Android App

To bring the sensors and the emergency system together, we use a smartphone app which supports the measuring procedure of the particular sensors and offers a diary, a survey function and a virtual emergency button.
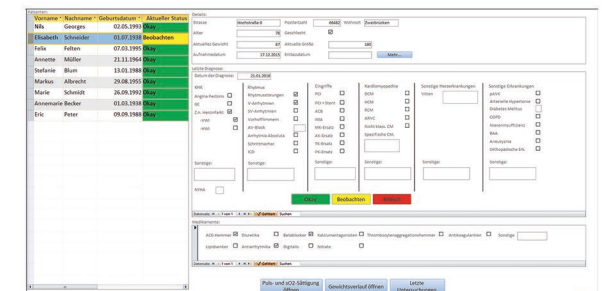

Telehealth Centre

heart function

subjective deterioration

objective deterioration

time

Based on the recorded vital data, an interference of the cardiac cycle (blue curve) can be recognized before a perceptible deterioration occurs (orange curve).

To supervise lots of patients in a telehealth centre, the classification of vital data happens in risk groups by a expert system (so-called triage).

Predictive Recognition of Emergencies

The Idea
How can we automatically create safe and fast prognoses for the medical condition of care-dependent patients and noticeable relieve nursing services?

The Innovation
An open, intelligent assistance system which continuously examines the vital functions of patients and reports them to healthcare professionals.

The Application
Besides the care of patients with severe illness, who want to live autonomous up until old age, the platform is also suitable for rehabilitation facilities and care facilities.

openIntelliCare
puts together different approaches of home emergency call systems, sensor-based patient monitoring, expert systems and emergency central management to a innovative and efficient care system. Because of its open interfaces, the use of the latest internet- and mobile communication system technologies and resource saving operating cycles, openIntelliCare can sustainably improve the quality of care of existing emergency services.

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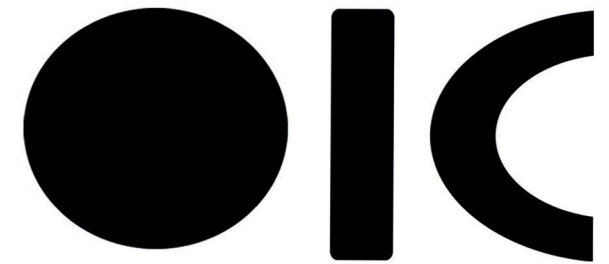66482 Zweibrücken

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Bundesministerium für Bildung und Forschung

FORSCHUNG AN FACHHOCHSCHULEN

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