

Description of solution

Automatic medical diary for chronic disease management

Benefits of the solution

For the consumer, this solution offers multiple benefits.

For a start, it is easy and simple to use for people of any age. It automatically transfers data over Wi-Fi, all transmissions are secured and encrypted and no data manipulation is possible by the patient. It comes with reminder and level functionality and has an alarm. It is self controlled by either mobile device or PC and can be remotely accessed by medical staff, caregivers and other authorized persons. Finally, it is compatible with a host of different devices.

For the Medical professional there are also several benefits of having patients use Healthe. There is better compliance due to higher motivation on the part of the patient. Trends and reports are available at any time and the solution provides better therapy control. Healthe also provides a convenient, standardized view of patient records and the joint usage of the system helps to strengthen the doctor-patient relationship. No major investment is needed to implement the system as all you need is internet access to be up and running. The fact that those close to the patient can also be included in the therapy process is also of benefit.

Timescales

The solution was launched in June 2010 after 12 months testing with 42 patients aged between 4 and 89. There are plans to extend the service to additional medical devices (e.g. ecg, lung function testing devices, body fat scales) and handsets. (Android)

Core technologies and standards

Healthe uses a platform and mobile client written in java that allows for the automatic collection of data from a device connected to a mobile phone, using Bluetooth.

Mobile Phones:

Nokia 5200, 6700 Classic, X6, E51, E52, E71, E72

RIM Blackberry 8520

Android – available Q3, 2011

Medical Devices:

3 Glucometers (LifeScan OneTouch Ultra, Ultra-2, UltraEasy)

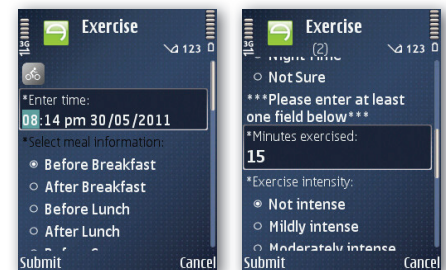
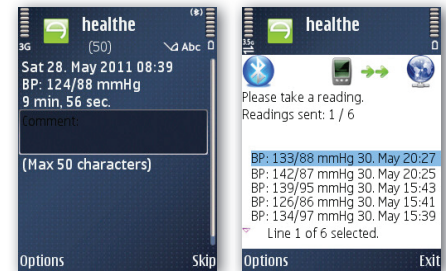
1 Blood Pressure Meter (A&D UA-767PBT)

Interoperability and scalability

It is expected to work with any medical sensor that supports Bluetooth Standard pairing.

Success to date

The solution saw a 75% adoption rate from the trial with very high satisfaction levels across all users.



Overview of companies

Alcatel-Lucent develops and runs the healthe platform as well as mobile clients.

Orange is responsible for marketing and distribution in its 94 Orange shops. Handsets, blood pressure meters, healthe packages and add-ons, e.g. bluetooth dongles for blood glucose meters, can be bought at Orange.

Arbeiter Samariterbund (caregiver organisation) runs a dedicated hotline for the product and brings medical competence to the consortium. They are also available as professional caregiver in the healthe system.