



Barriers and Success factors for Mobile Health Services: Lessons learned from 6 years of Research, Development and Commercialisation of the Personal Health Monitoring System

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resumen:

A smarter healthcare system with an integrated, networked and patient focused approach can improve health care delivery and has the potential to mitigate the ever increasing costs of healthcare provision. In this presentation we discuss the barriers and success factors related to the development and commercialisation of mobile healthcare systems to deliver health services to patients and healthcare providers. The discussion will be based on our experience with the Personal Health Monitor developed at the University of Technology, Sydney, Australia. The Personal Health Monitor (www.PersonalHealthMonitor.net) provides personalised, intelligent, non-intrusive, real time health monitoring using wireless sensors and a mobile phone. The wireless sensors can either be attached to the user's body (e.g. ECG) or can be external devices, such as a Blood Pressure Monitor or Weight Scale. The sensors are Bluetooth enabled or integrated into the mobile phone. On the phone, the Personal Health Monitor software analyses the data received from the sensors in real-time and gives immediate feedback and personalised advice to the user based on the analysis of sensor data collected. Using 3G, or any other Internet connection available on the mobile phone, the data collected is transmitted to the Health Care data server where it becomes available for viewing and further analysis and interpretation by qualified specialists.

sobre Valerie Gay y Peter Leijdekkers:

Valerie Gay and Peter Leijdekkers are researchers at the Faculty of Engineering and Information Technology at the University of Technology, Sydney, Australia (UTS) (www.uts.edu.au). They lead a team within the 'iNEXT' research group (<http://www.inext.uts.edu.au/>) on personal health and fitness monitoring using Bluetooth enabled sensors and smart phones. Dr Valerie Gay is Associate Professor and has more than 20 years of research experience in leading research laboratories in Europe and Australia; she received her PhD and habilitation: from the University of Paris 6 in France.

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Dr Peter Leijdekkers is a Senior Lecturer. He received his PhD in Computer Science from the University of Twente. He has been involved in research for more than 20 years in several companies and research laboratories in Europe and Australia, including numerous European funded projects.

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