mHealth – Now?
-short introduction to the theme

Prof. Jarmo Reponen, M.D., Ph.D.

-Professor of Healthcare Information Systems
-Director of FinnTelemedicum, University of Oulu

Finnish Health ICT conference, Jyväskylä 20.5.2014

E-mail: jarmo.reponen@oulu.fi
Continuation of terms towards mHealth

- Information and Communication Technology in Health care
- Electronic Health Records, EHR, EPR
- Telemedicine
- Telecare
- On-line health
- Personal Health Records, PHR
- Health Information Exchange, HIE
- eHealth
- mHealth
First smartphone mHealth terminal in clinical use already 15 yrs ago!

- Two-way connectivity (read-write) to hospital information systems
- Mobile Apps for PACS, EHR, HIS, Messaging
- Secure connections and authentication
- User interface designed for Medical Professionals
- Clinical use: Neurosurgeons
- BUT: lacking ecosystem
Tablets as EHR terminals 10 yrs ago

- Full portal type electronic medical record available
- Regular web interface adapted to the device, no special apps on device.
- Two-way connectivity (read-write) to hospital information systems
- EHR, PACS, LAB systems
- WLAN at the hospital environment
- Standards: HTML, DICOM
- Usage at bedside, clinical wards.

BUT:
- Battery life too short
- Heavy
- No touch interface, slow input

Where do we stand now?

- Do we have the technology?
- Do we have the right applications?
- Do we have enough knowledge?
- Do we have the right attitude?
- Do we have the real need for mHealth?
- Are we ready for a process change that a successful implementation of mHealth requires?
Our expert speaker today: Prof. Dr. Wolfgang Riedel

• Head Scientist and Consultant in the IfK, Institute for Hospital Management, Braunschweig, Germany.
• He studied Computer Scientist, afterwords he has many years experience in Hospital Management (German Hospitals)
• Since 1986 Professor for Hospital Management, especially IT and Communications.
• [http://www.ifk-braunschweig.de/](http://www.ifk-braunschweig.de/)