

Hospitals

Whether in the emergency room, for inpatient treatment or long-term therapy – reliable access to data plays a critical role across all hospital processes and supports integrated patient care.



All data on one screen

Thanks to electronic healthcare cards, doctors have immediate access to a patient's medical history – and can view important details on a tablet PC. In addition, patients receive a wristband fitted with a radio chip, which, for example, ensures they receive the right blood products.

Teleconferencing saves time

Virtual meetings with colleagues: a secure UCC platform enables medical workers to discuss cases via virtual private network (VPN). This means they can view findings and agree on treatment from any location.

Paperless doctors' visits

Using a dedicated bedside terminal, patients can watch TV, surf the Internet and select their meals. During doctors' visits, the screen can be used to display laboratory results, x-rays or other important information.

Patients can go home sooner

Following discharge from hospital, the vital signs of heart and diabetes patients are closely monitored via a telemedicine platform. This helps ensure a smooth transition from hospital to home, and enables medical professionals to identify any problems early on.

Up-to-date patient records

Thanks to secure, encrypted data transfer, health insurers can keep patient information up to date. In addition, billing and payment of medical services can be managed via highly secure networks.

Healthcare at home

Telemedicine helps make life simpler and safer for chronically sick patients in their own homes. It also reduces the number and duration of required hospital stays.



Remote monitoring

Heart implants or defibrillators transmit data wirelessly to a base station at the patient's bedside or to a mobile device they carry with them. The information is then forwarded via cell-phone network to an Internet-based repository which automatically alerts doctors via text message, fax or email if something is amiss.

Medical care from an armchair

Mobile monitoring devices send ECG data, blood-pressure readings and information on weight and physical exercise via cell-phone network to electronic patient records. Specially trained professionals monitor these details remotely at a telemedicine center from where they can connect with patients and doctors if required.

Fewer visits to the doctor

Blood sugar levels measured by a mobile device are captured by the patient's cell phone and automatically forwarded to a secure Internet portal. If the results differ from pre-defined values, an alert is generated and sent to authorized care providers or doctors.

Help and assistance

Sensors in the floor or rug register any abnormal movements made by elderly people and immediately raise the alarm in the event of a fall. Advanced alarm systems that leverage cell-phone technology and can also be used on the move provide additional peace of mind.

High security

Whether it's financials, administrative information, or electronic patient records, data from e-health processes is stored with the medical provider or in a high-security data center. Secure data storage is at the heart of ICT platforms for healthcare.

Effective prevention

A chest strap worn during exercise transmits people's heart rate via Bluetooth to their cell phone. The data is then sent to a central Internet platform and can be made available to health insurance providers. The Web portal analyzes the information and suggests a tailored training plan which can prevent people from falling ill.

Private practices

Fingertip access to data

Basic patient information stored on the card can be accessed at the doctor's office and updated online by health insurers. Facts that would be relevant in an emergency is also easy to call up. Further details and findings are encrypted and stored in a digital archive that is accessible using the card if the patient gives their consent.



Consult a colleague

Doctors in private practices can request a second expert opinion from colleagues located elsewhere. Thanks to ICT, the medical professionals can share x-rays and other data in real time, helping them make better, more informed diagnoses and decisions on treatment.

Connected healthcare

Whether patients have a specific diagnosed condition or visit their doctor with various complaints – infrequently or on a regular basis – fast access to data is a key aspect of medical care. State-of-the-art ICT infrastructures provide an ideal solution: they support patients but they also help improve our healthcare system as a whole. Be it the provision of care, monitoring of services or management of resources, ICT is vital when it comes to mastering today's increasingly complex healthcare challenges.



A good start in life

Encouraging children to lead a healthy life can be quite a challenge. Online virtual personal trainers motivate children and young people to stay fit, providing advice on exercise and tips on how to overcome posture and weight problems.