

Activity tracking at home & outdoors

The deployment of remote supervisory and care services, the development of new applications and technologies lead to reducing the burdens of diseases and improving the quality of life.

- *Primary benefit:* individual, family level, local community level (indirectly social). Improvement of elderly people's quality of life and family members' well-being; relief of the institutions (family doctors, outpatient clinics, hospitals, ambulance etc.).
- *Additional benefit:* job creation (dispatcher services, remote social workers etc.).
- *Financing:* mainly from private funds (family, local community).
- *R+D+I:* standard tools and applications; expert systems supporting remote diagnostics; reliability and quality assurance; innovative application and combination of existing tools; development of new devices and applications.



Assistive Information and Communication
Technologies and Applications

- **Activity tracking at home & outdoors**
- **Compliance monitoring & assistance**
- **Overcoming disabilities**
- **Health preservation & improvement supported by means of ICT devices**

Founding members: Albacomp, ÁNTSZ, Answare, BZAKA IKTI, BME EMT, ESKI, ESZM, GE Healthcare, Hungarian eHealth Assoc., IVSZ, Innomed, Med-Econ, MMGYSZE, NJSZT, Semmelweis University, University of Pannonia, University of Szeged, 77 Elektronika. *Members:* BioData, Bioinformat-X, Garda Consulting, H-Lab, H2Online, Homo Sanus, Hírközlési Mérő, Hírterv, MEDNET 2000, MOHAnet, Montana, NICOpro, Óbuda University, Pearl Hungary, Profit-expert, Sensor Technologies, Silver Kiadó, Smart-meD Line, Sodalitas-Solutions, Szent Gellért Orvoscentrum, Szinapszis, Templar, Thormed, TVŰ Holding, UBM Medica, Wolf Medical.

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Infocommunication in the service of daily living

- to enhance the safety and comfort of the everyday life of elderly people;
- to decrease and optimize the expenses of therapy treatments;
- to improve the quality of life of disabled people;
- to detect diseases and make people aware of the importance of self-care and personal responsibility.



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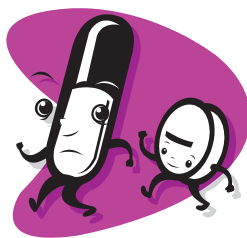
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Compliance monitoring & assistance

In order to monitor, assist and manage medication and other therapies, ICT and telemedical solutions and services must be deployed and disseminated.

- *Primary benefit:* individual and family level. The improvement of the efficiency of medical services by developing therapy compliance and the recognition of therapy attitudes.
- *Additional benefit:* governmental and social. Conversion of the subventions, therapy financing based on actual impacts, cost reduction according to the data gathered by the compliance monitoring. Preservation of the ability to work.
- *Financing:* financing based on real impacts; benefits measurable in money, cutting down social insurance expenses.
- *R+D+I:* development of devices, applications and methods to measure the efficiency of a therapy indirectly (or directly).



Overcoming disabilities

Modern information and communication technologies can assist the daily life and social integration of disabled people more effectively.

- *Primary benefit:* individual, family level, local community level (indirectly social). Improvement of disabled people's quality of life and family members' well-being; letting disabled people to enter or return to the labour market (e.g. as teleworkers).
- *Additional benefit:* tools and services appear and spread among people not living with disabilities.
- *Financing:* from governmental and partly from private funds.
- *R+D+I:* development and continuous upgrading of simple and complex tools supported by ICT; adaptation of foreign solutions; development of targeted services and operating systems.



Health preservation & improvement

Modern information and communication tools, correct measurement of physical and intellectual capabilities may support health preservation and improvement, and compensate health deficits.

- *Primary benefit:* individual, family level, local community level (indirectly social and governmental). Improvement of the life quality of individuals and their families, and the well-being of the whole society.
- *Additional benefit:* increasing the participation time in work activities.
- *Financing:* mostly from (personal and entrepreneurial) private funds.
- *R+D+I:* technology research & development; deployment of information services and systems; elaboration of business models; analysing the possible effects of ICT on individuals, communities and care systems; preparing data and information maps, assessment of gaps.



- *Role of the public sector:* creation of a friendly social environment; legal regulation of access to personal data, measured health and activity parameters; elaboration of the ethical codex; education and training, communication and promotion; propagation of operational and business models etc.
- *Role of the private sector, incl. companies:* (co)financing; voluntary social commitment; operation (e.g. operation of dispatcher center and social workers' network) etc.

Hungarian partner platforms of the eVITA Platform: Artemis Hungary National Technology Platform, Mobility and Multimedia Platform, NESSI Hungary Software and Services National Technology Platform, Platform for Language and Speech Technology.