

**Task type:** industrial research

**Professional management:** HumanSoft Kft.

**Participating consortium members:**

- Answare Kft.
- Bay Zoltán AKK
- HumanSoft Kft.
- Semmelweis University
- ThorMed Kft.

The purpose of analysis was the development of the health-gain, quality-of-life-developmental, and economic models for the protocol based Telemedicine and the evaluation of the existing protocols according to the criteria of the model in order to select the most promising ones.

The result of the analysis is a primary feasibility study, which forms the basis of the next step that is system design for end devices as well as Telemedical services. The very core of this task was to ensuring the development of really useful products in the next steps. The prototype system and its related services were being developed for fields where the economic utilization is predictable and profitable.

Steps for implementation:

- developing the logical architecture of the whole data collecting system for the specified protocol;
- defining the effectiveness and cost effectiveness of the developed protocols for different actors (patient, doctor, insurance company, employer, state);
- defining cost models for system constituents as a function of volume and target group matching;
- needs analysis per target group and the assessment of price elasticity considering the related health funding systems;

- selecting 1-3 protocols per medical fields for implementation in the TELeHELATH system, based on the feasibility study.

Among the medical protocols the followings were developed:

- Asthma diagnosis with the help of telemedicine;
- Asthma care with the help of telemedicine;
- Support for stroke rehabilitation with the help of telemedicine.

While we are taking into account the advantages of this system, we are also striving to understand the shortcomings of the American model.