Health Technology Assessment

How cost-effective is your digital health solution?

Most Digital Health Solutions have the aim to save costs and increase efficiency while improving quality of life. Measuring by how much this is actually being realized remains a challenge. Quantifying the realization of this aim is the purpose of the Health Technology Assessment service. This is a collective name for systematically evaluating the effects and impact of health technology. The applicable social, economical, organizational and ethical aspects of technology are taken into account in the final assessment. Digital Health Compliance developed a Digital Health Technology Assessment to quickly, but thoroughly, assess the added value of Digital Health Solutions.

The steps in our Health Technology Assessment

1. **Sample and Comparator:** To start, the sample and the comparator of the digital health solution need to be identified.
2. **Perspective:** Choosing the health care or societal perspective on costs and benefits. For example the choice to include or exclude productivity costs at the workplace.
3. **Decision tree:** Drawing a short-term decision tree model to indicate the possible health states and probability thereof.
4. **Measuring Quality of Life**: Using a representative questionnaire to measure quality of life.
5. **Input parameters:** Identifying and including all relevant input parameters (costs and outcomes) and define the distribution thereof.
6. **Sensitivity analysis:** Performing a probabilistic sensitivity analysis (PSA) to allow input parameters to vary simultaneously using a priori defined distributions.
7. **ICER:** Calculation of the Incremental Cost-Effectiveness Ratio to measure how much additional savings and gained health effects are being realized.

Our service:

Model

Specific to your digital health solution we develop an economic model following the above mentioned steps. The model will present the incremental cost-effectiveness of your digital health solution based on the choices we collaboratively make in each step.

Optional: performing a scenario analysis when different results are expected per different patient group.

Report

The results from our analysis and calculations will be presented in a report. This report will present an overview of all the chosen steps and their results. The report will be accompanied by graphics to have valuable insights into the cost-effectiveness of the digital health solution.