

Title:

Integrating solutions into systems such as TI, eGK, ePA and ensuring approval as a medical device as well as integration into mainstream care

Name of the organization:The Diakonisches Werk of the Protestant Church in Baden-Württemberg

Wanted (write a sentence about the solution/product/technology you are looking for): Integrating solutions into systems such as TI, eGK, ePA and ensuring approval as a medical device as well as integration into standard care.

Challenge Description:

1. Brief introduction to the problem you face.

The telematics infrastructure (TI), which serves to connect all players in the healthcare system, continues to gain momentum and become more complex. In this context, the secure exchange of information across sectors as well as across systems plays a central role. The highest priority here: people's data sovereignty. This means societal and social challenges especially for the welfare sector. A prerequisite for creating a future-proof system is the use of medical standards and terminologies (e.g. HL7 FHIR, SNOWMED CT, LOINC). The HL7 FHIR standard is to be used both in TI 2.0 and within the framework of the Medical Information Objects (MIO) currently being developed by the Association of Statutory Health Insurance Physicians, which are to describe the health data contained in the ePA. The developments must be viewed and incorporated for appropriate connectivity, so that no further proprietary solution is created accordingly.

2. Describe the current solution (if any) and its limitations.

Due to recent legal changes under the DVG, this could be "apps on prescription" from the doctor. However, the approval is very difficult due to the high requirements.

3. Describe what type of solution you are looking for.

We are looking for innovative solutions, e.g. apps on prescription or similar. Health apps that can be approved as a medical device in several (partial) products according to MDR and integrated into standard care via DVG. The burden on patients and healthcare providers (physicians, nurses, or pharmacists) to implement these tools should be minimal.

Target audiences: Patients, physicians, nurses, pharmacists, primary care physicians, physical therapists, etc.

Title

Online interaction space for communities of patients and their families as part of an online children's health ecosystem.

Looking for: Digital solutions for family-family; patient- patient; family – PFAC (Patient and Family Advisory council) etc. safe communication inside and outside related groups according to disease, health interests etc. Efficient way to collect info on unmet medical or social needs, escalate common problems, form opinions and facilitate engagement.

Description of the challenge

Current state

- Feedback of patients/families indicate the need for environment in which chronic patients, rare disease patients and others can form their own communities, communications forums, converse, and form the content.
- Patient advocacy group are scattered in the universe, having different level of development and operational/support quality.
- No efficient engagement channels with medical community or other stakeholders.
- No efficient way to mobilize engagement in research projects or clinical studies
- Innovators not aware of common problems and required solutions

Rationale for solution

The Parent Council of the Children's Hospital, umbrella organisation of Patients with rare diseases etc. confirm that the involvement of families and the possibility of contacting families with children with the same or similar diagnoses provides significant added value during treatment or living with the disease. Participation in interest groups based on children's diagnoses will enable family to obtain extended information on medical treatment, provide psychological support and create a higher level of trust for the healthcare institution, which will contribute significantly to the level of engagement and will therefore also improve patients' clinical outcomes.

Exchanging experience among families who are raising a child with same health problems, opportunity to escalate common questions or problems and receive answers/advice from peers or via support channels will present significant added value to patients and their families.

Access to online platform remotely from anywhere is particularly important for families with children with severe and/or rare diagnoses. Engagement with interest groups will allow families to not feel alone. Social networking also contributes to psychological resilience and wellbeing, which is particularly important in the families of patients with chronic diseases, where long-term treatment takes place or even in the lifetime of a child.

Identified common problems and unmet needs serve as trigger for future innovations or research opportunities.