TREAT

Transforming Healthcare Through Semantic Interoperability & Patient Self-Efficacy

Project summary

TREAT aims to increase patient self-efficacy in managing non-communicable diseases including diabetes, heart attacks, cancers and chronic respiratory diseases, by using an asynchronous model and integrating data from wearables, journals, and medical records. In such a model, healthcare access moves from the clinic (system-centric) into the patient's daily life and health management shifts from the clinician to the patient. The project will develop novel wearables and software-based solutions, like semantic interoperability, automated care feedback loops with AI recommendations and novel interfaces using interactive augmented reality, to improve patient self-efficacy while driving clinical efficiencies.

Consortium

26 partners

7 countries

Project duration

Jan 2024 - Dec 2026

Project goal

The ultimate goal of TREAT is to give patients and healthcare providers control with effective information about their health and treatment.

Impact

- Integrating vendors into the platform for clinicians and patients.
- Ensuring high-quality data (support diagnosis and improve processes for clinical trials)
- Reducing workload for clinicians when using such digital services.
- Reducing the impacts of NCDs including the costs of treating NCDs, mortality and loss of quality of life.
- Developing new business models (profitable for the vendors and acceptable to the prayer).

This ITEA project is supported by:

Eureka

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