

Patient centric solution for smart and sustainable healthcare (ACESO)

Budapest, June 5, 2020



Oral hygiene is a daily activity performed by all people. Hence, one can envision a time when this activity can be exploited to infer a wealth of information about the person performing it. In the vision of dental care manufacturers, smart toothbrushes of the future will be able to gather information about the general health of the user and wellbeing. However, until this vision becomes reality, we are proposing to develop the ACESO platform which combines, in an intelligent manner, oral hygiene information with body health and activity parameters. The main functionalities of ACESO are

- monitoring physical health parameters and oral hygiene;
- reminders for users;
- maintaining oral care through personalized brushing experience and
- assessment tools for caregivers.

The target market is composed of elderly and professional caregivers (doctors, dentists, hygienists). Our patient-centric approach brings clear benefits for the elderly who will become actively involved in maintaining their health.

Objectives

ACESO is employing a co-creative approach to realize integrated health and oral-care platform in which intelligent devices use data analytics for adaptable health and wellbeing. ACESO will monitor parameters related to physical health (blood pressure, glucose, heart rate, oxygen saturation, etc), activity, sleep, and oral hygiene in an integrative manner which will provide primary users with personalized and adaptive feedback extracted by an underlying artificial intelligence engine. A patient-centric approach that actively involves users in maintaining their health will bring clear benefits for the elderly and caregivers.

Expected Results and Impact

ACESO will develop an integrated health and oral-care platform tested and validated by users in Poland, Hungary, and Slovenia. Remote digital assessment tools for professionals will enable them to reach patients even in remote areas and to optimize their care interventions by coaching their patients and helping them to form better routines. By reaching the market in 1-2 years after project

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completion, ACESO aims to reduce healthcare costs by optimizing interventions and prevention and reducing travel and waiting times for both patients and professionals.

Project essentials

- **Coordinator:** Centrul IT pentru Stiinta si Tehnologie
- **Hungarian consortium partner:** [Inspiring Culture Kft.](#)
- **National Contact Point:** [National Research, Development and Innovation Office](#)
- **Project code:** 2019-2.1.2-NEMZ-2020-00011
- **Duration:** 36 months
- **Starting date:** 01.05.2020.
- **Total budget:** € 2,705,088
- **Public contribution:** € 1,872,930

About Aceso

ACESO is a patient-centric solution for smart and sustainable healthcare, employing a co-creative approach to realize integrated health and oral-care platform in which intelligent devices use data analytics for adaptable health and wellbeing. ACESO will monitor parameters related to physical health (blood pressure, glucose, heart rate, oxygen saturation, etc), activity, sleep, and oral hygiene in an integrative manner which will provide primary users with personalized and adaptive feedback extracted by an underlying artificial intelligence engine. A **patient-centric** approach that actively involves users in maintaining their health will bring clear benefits for the elderly and caregivers. Aceso is funded by AAL. [More about Aceso...](#)

About AAL

AAL- Ageing Well in the Digital World - is a funding program that aims to create a better quality of life for older people and to strengthen industrial opportunities in the field of healthy aging technology and innovation. [More about AAL.](#)

About Inspiring Culture Kft.

Inspiring Culture enables people and organizations to adopt the most effective behaviors and make sustainable and positive differences in their environment through catalyzing change. The role of Inspiring Culture Kft in the AAL Aceso project is to facilitate business strategy, sales and marketing, market orientation to R&D, spin offs, attracting capital, IP protection, and dissemination strategy.



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