

EUROPEAN PROJECT INNO4HEALTH

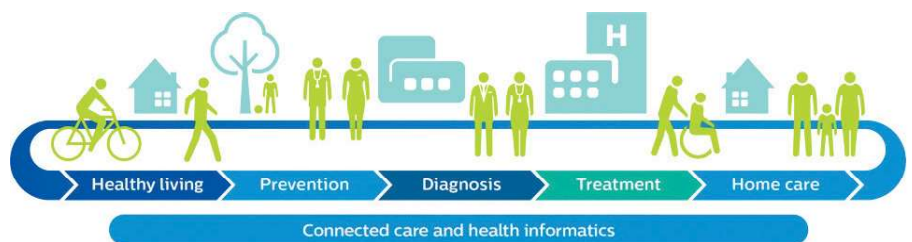
Sportbizz BV (co-founder of Orange Sports Forum) is a member of the EU project “ITEA 19008 INNO4HEALTH”, which is partly funded by the Dutch ministry RVO and was launched 1 November 2020.

The consortium covers 39 organisations in 7 European countries and Canada.

From the Netherlands, Philips Electronics Netherlands, PSV Eindhoven, St. Anna Hospital, Maxima medical Centre, Datenna, IMEC, TU/e and TNO Holst Centre are involved in INNO4HEALTH.

With the increase in our aging population, the number of surgeries performed is growing rapidly. At the same time, there is a growing risk of complications, as patients are becoming frailer and have more comorbidities. In top sports, tracking the condition of athletes is essential to guide physical preparation. However, if training programs are badly adapted to the physical and psychological condition then risks of injuries and other adverse health events like sudden cardiac arrest may occur affecting both elite as well as recreational athletes.

Currently, professionals (doctors and sport coaches) are asked to decide, without data at hand, whether a patient is sufficiently fit to undergo surgery or whether an athlete is optimally prepared to perform in the pitch. Office-based tests, questionnaires and interviews are the only source of information used to triage patients for treatment and elite athletes for sports participation. Monitoring patients and athletes in daily life provides tremendous potential to improve professional decision making, reach better outcome in clinical interventions and sport initiatives, as well as to generate positive financial impact for the healthcare budget and for stakeholders in sports.



Ultimately, continuous monitoring and remote assessment of the health condition of patients and athletes is key to support scalability of healthcare resources in times of critical demand such as during outbreaks of infectious diseases or to ensure safe participation in training and sport competition.

The ambition of INNO4HEALTH is to leverage on the growth potential of wearable electronics, smart body patches and home monitoring technology to create a platform on top of which data-driven and diversifiable solutions will be built to address the needs and challenges of the heterogeneous healthcare and sports market.

The innovation developed by INNO4HEALTH will represent an asset for Philips to expand its business portfolio to monitor patients outside the hospital walls. Philips is undergoing a

transformation to become a solution provider and leverage on new business models offering higher growth and profitability margins. The solution approach consists in offering bundle of products, software and services to customers and focusing on data analytics, and care coordination. This strategy will enable Philips to impact value-based healthcare and deliver end-to-end value targeting the quadruple aim: save costs, improve patients' outcome and staff safety, and ameliorate patient experience. INNO4HEALTH will allow Philips to expand the business offer beyond the core of patient monitoring in the hospital. While leveraging on the strength and reputation in critical care, and the drive to expand towards general care, Philips will deploy the INNO4HEALTH innovations as asset to offer patient monitoring solutions in the care-continuum.





The Dutch partners in INNO4HEALTH aim to stimulate innovation in continuous health and fitness monitoring to inform patients and their treating physician regarding readiness for surgery. In sports, the same technology will be used to continuously assess fitness and health to provide information to athletes and their coaches and to help them optimize performance during training and competitions. Ultimately, the project aims to help professionals manage remotely patients' health after hospital discharge and identify risks for adverse events in athletes before they occur.

INNO4HEALTH will be a pioneering project in the area of comprehensive data capturing and interpretation outside of the hospital walls and the sports training field. INNO4HEALTH aims to build a platform of monitoring solutions that include a generic set of components and technical capabilities such as algorithms and decision support systems that can be adapted flexibly to address both healthcare and sports applications with user groups that are either patients and doctors or athletes and performance coaches.

The Dutch INNO4HEALTH partners aim to demonstrate the value of continuous monitoring for:

1. Improving how patients prepare for surgery
2. Improving how athletes prepare for sport competition
3. (3) Helping professionals manage remotely patients' health after hospital discharge and identify risks for adverse events in athletes

The three-year project will start at the end of 2020 and will result in deliverables like smart garment for long-term monitoring of patients and athletes, an open platform for continuous monitoring and software applications for caregivers and sport coaches.

