

Factsheet TIMELY

What is TIMELY?

TIMELY is a patient-centered early-risk prediction, prevention and intervention platform to support the continuum of care in coronary artery disease using eHealth and artificial intelligence (AI).

Objective

The objective is to develop and implement a platform that provides AI-powered apps, dashboards and decision support tools assisting patients and clinicians to personalize healthcare based on risk evaluation, outcome prediction and tailored interventions.

Hypothesis

The main hypothesis of TIMELY is that a modular, collaborative eHealth platform, supported by AI, can be effective and cost-efficient for the secondary prevention of coronary artery disease (CAD) by limiting the physiological and psychological impact of the disease and improving the management of risk factors and symptoms.

Development

The platform will be developed based on a functional platform for interoperability with electronic health records and security mechanisms, to ensure information completeness and continuity and to simplify data sharing. AI in TIMELY, built with big retrospective datasets of >23.000 CAD patients, will constantly monitor and evaluate risks and will indicate any deviation from defined therapy goals or unfavorable changes as well as propose proper interventions.

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