



Grace[®]

Transforming cardiovascular care through innovation and collaboration

Project Snapshot

Duration — February 2025 – July 2029
 Initiative — IHI Call 7
 Project ID — 101194778
 Funding — EU Contribution: €11.7M | Industry contribution: €11.9M
 Coordinator — Università Campus Bio-Medico di Roma
 Industrial lead — Medtronic

Problem

Cardiovascular diseases (CVDs) remain the leading cause of death worldwide, representing a major clinical and economic burden. Key gaps persist:

- Late or underdiagnosis of cardiovascular conditions.
- Fragmented and poorly coordinated care pathways.
- Limited adoption of predictive and AI-driven tools.
- Insufficient integration of digital solutions into clinical practice.
- Increasing pressure due to ageing populations and multimorbidity.
- **520M** — People living with cardiovascular diseases worldwide.
- **19,7M** — Deaths caused by cardiovascular diseases annually (global).
- **€210B+** — Annual cost of cardiovascular diseases in Europe.
- **≈10%** — Of total healthcare expenditure in Europe.

Objective

To develop and validate integrated, interoperable solutions that optimise cardiovascular pathways, combining digital tools, advanced imaging and AI-supported decision-making to enable earlier intervention, personalised management and scalable continuity across healthcare settings.

Approach

- Integration of digital health and MedTech solutions.
- Dec. support, remote monitoring and protocol-based optimization.
- Care coordination across settings.
- Patient-centred design supporting empowerment and continuity.

Impact on Industry

GRACE enables the development, validation and large-scale deployment of interoperable digital solutions for cardiovascular care.

Supports validation of digital solutions in clinical settings.
Facilitates interoperability with existing healthcare infrastructures.
Accelerates translation from development to real-world use.

Supports adoption of integrated care models and scalable deployment.
Aligns innovation with clinical workflows, regulatory needs and implementation requirements.

Outcome & Value

Framework for integrated care foster by technology integration.
 Six real-world validated use cases.

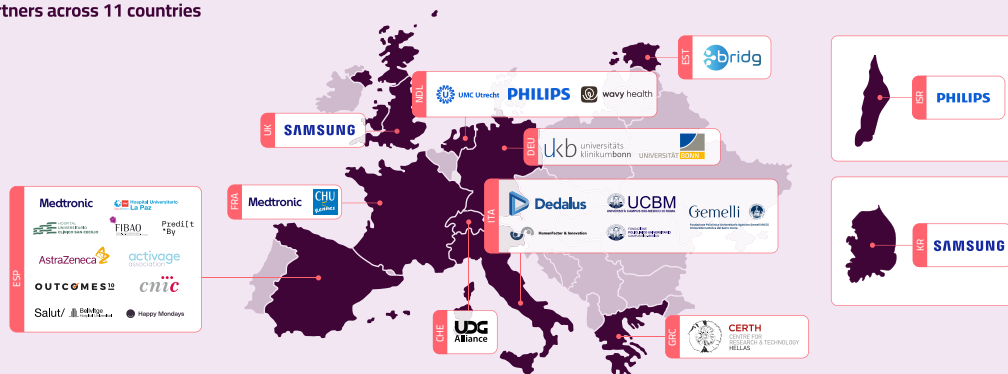
Scalable and sustainable care models.
 Evidence-based tools and validated solutions for clinical adoption.

Use Cases

- 1. Atrial fibrillation (AF) management.**
Early detection and continuous remote monitoring and patient empowerment.
- 2. Cardio-oncology care coordination.**
Early detection of cardiac complications and improved adherence and coordination.
- 3. Cardiac surgery recovery (ERAS).**
Optimised perioperative care and early recovery protocols.
- 4. Cardiac MRI for INOCA diagnosis.**
Improved diagnosis through advanced imaging and patient-friendly pathway.
- 5. Heart failure (HF) management.**
Digitized guidelines, predictive models, and advanced monitoring.
- 6. A holistic pathway for CVD.**
Integrated care model covering prevention, acute treatment and long-term follow-up.

Consortium

27 partners across 11 countries



Further information

Website: grace-ihl.eu Factsheet: ihi.europa.eu/projects-results/project-factsheets/grace
 CORDIS: cordis.europa.eu/project/id/101194778 @GraceIHI GRACE project (IHI)



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