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.
- Care coordination across settings.
- Dec. support, remote monitoring and protocol-based optimization.
- 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

Early detection → Diagnosis & risk stratification → Personalised care → Continuous monitoring → Care coordination → Long-term outcomes

Further information

Website: grace-ihi.eu
Factsheet: ihi.europa.eu/projects-results/project-factsheets/grace
CORDIS: cordis.europa.eu/project/id/101194778
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