

JACARDI overview



€66
Million



Istituto Superiore
di Sanità (Italy)



01 Nov 2023
31 Oct 2027



Number of European
Countries: 21



Number
of Partners: 81



Pilots to be
implemented: 143

The Joint Action on CARdiovascular diseases and DIabetes (JACARDI) is an EU initiative supporting countries in preventing and managing cardiovascular diseases and diabetes.

Through the implementation of **143 pilot projects**, JACARDI fosters collaboration among countries to **develop, test, and evaluate innovative, equitable and sustainable solutions to improve health outcomes across Europe.**

Six focus areas
to cover the entire patient journey



Bridging the Data Gap in CVD & Diabetes

Smart policy decisions start with high-quality data

Accurately monitoring the epidemiology of cardiovascular (CV) health determinants, risk factors, diabetes (DM) and cardiovascular diseases (CVDs) and their care and outcomes, is essential to identify health gaps, challenges and needs across countries. This Work Package aims to improve data quality and collection methods through standardization and harmonization, and to define and support implementation of a set of indicators relevant for assessing the status of CV health, CVD and DM.

How JACARDI improves data management

- Mapping EU Member States (MS) on data policies, structure, organization and availability
- Conceptual framework for a new Common Indicator Model
- Selection of key indicators on CV health and DM
- Guidelines for a common data model (OMOP)
- Guidelines for value-based analysis

Key Focus Areas

- Mapping of EU MS policies, structure, organization and availability of data to define CV health, CVD and diabetes
- Development of a new system to organize and classify indicators to cover all perspectives of health and healthcare (Common Indicator Model)
- Identification and selection of key indicators to monitor CV health and CVD and diabetes care
- Mapping of available indicators into monitoring CV health, CVD and diabetes care
- Development of Technical Guidelines for the implantation of a common data model (OMOP)
- Development of Guidelines for the value-based analysis
- Creation of a network to share best practices
- Implementation of data-related processes or systems
- Establishing a roadmap for scaling up successful strategies to broader levels

Work Package Leaders and Co-Leaders



Markku Peltonen
Research Professor and Head of
the Population Health Unit, THL



<https://thl.fi/en/front-page>



Héctor Bueno
Research Group Leader, National
Cardiovascular Research
Center (CNIC); and Coordinator,
Cardiovascular Research Area, i+12
– Cardiology Department, Hospital
Universitario 12 de Octubre, Madrid



Pilots Overview

- Number of pilots: **42**
- Countries involved: **8**

Diseases targeted



Diabetes +
CVD
11 pilots



Diabetes
21 pilots



CVD
10 pilots

Participating countries



- Belgium
- Finland
- France
- Iceland
- Italy
- Latvia
- Romania
- Spain

Key Takeaways

Europe currently lacks a unified model for the accurate, comparable and timely collection of data needed to understand the situation of CV health and diabetes.

High-quality datasets with systematic and harmonized data extraction and analysis are essential to design evidence-based policies that reduce disease burden, improve healthcare outcomes and address inequalities across countries, regions or population subsets.

Actions to be taken

1. Implement standardized processes and tools for collecting and harmonizing health data.
 2. Foster collaborative networks to share best practices and ensure interoperability across countries.
 3. Promote a culture of data sharing to enable timely, comparable insights for policy decisions.
 4. Invest in capacity building and training for accurate and consistent data collection.
 5. Demonstrate the value of high-quality data in shaping effective, patient-centered health policies.
-

JACARDI's Strategic Vision

Systematic, automated and standardized processes of data collection to define key indicators need to be put in place nationally and/or regionally.

This should lead to the development of periodical reports with the core indicators defining the status of CV health and diabetes at all levels (policies, population and healthcare system).

Actionable Recommendations

1. Create conditions and policies supporting the implementation of standardized, automated, high-quality data collection processes of health data.
2. Define the core data and key indicators needed to define the status of CVD and diabetes in the country/region.
3. Create a monitoring and evaluation system with periodic, publicly available reports of key findings.
4. Support professionals and decision-makers in using that information for continuous improvement through effective interventions.
5. Promote evidence-informed, person-centered, and sustainable care.
6. Improve equity and contribute to social, environmental, and economic sustainability.



Co-funded by
the European Union

This project has received funding from the EU4Health Programme 2021-2027 under Grant Agreement 101126953. Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union or the European Health and Digital Executive Agency (HaDEA). Neither the European Union nor the granting authority can be held responsible for them.