

JACARDI - Joint Action on Cardiovascular Disease and Diabetes

Project duration:

November 1, 2023 - October 31, 2027

Sponsor: European Health and Digital Executive Agency (HaDEA) (Call EU4H-2022-JA-IBA)

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In short



Cardiovascular diseases remain the leading cause of death in the EU, affecting around 63 million people. The prevalence of **diabetes** has also risen dramatically: the number of adults in Europe with this condition has almost doubled over the past decade to 32.3 million in 2019. These chronic diseases pose a significant threat to individual health and quality of life, while also overburdening healthcare systems and hampering social and economic development.

JACARDI is a collaboration between **21 European countries**, ensuring diversity in terms of cultural backgrounds, public health priorities and healthcare systems. The project plans to implement **142 pilots** that will reach and improve the care of millions of people in Europe. The wide geographical coverage and extensive pilot implementations are expected to provide a wealth of data for mutual learning and the identification of successful practices.

Project description

Project relevance and objectives

The JACARDI project aligns with the objectives of the European Union Health Programme (EU4H) by focusing on the reduction of non-communicable diseases (NCDs) at both individual and societal levels. It seeks to reduce the burden of cardiovascular disease (CVD) and diabetes mellitus (DM) while increasing awareness of related risks and the acceptance of innovative lifestyle interventions.

The project's relevance extends to addressing the diverse needs of the people in Europe, harmonizing health systems, and improving healthcare access and quality. JACARDI's comprehensive approach aims to create a more equitable and sustainable healthcare system across Europe.

The role of AOUP in JACARDI

AOUP P. Giaccone will contribute to the implementation of work package **WP7**

The overall objective of the pilot project To set up a regional diabetes mellitus register harmonised and coordinated with the other Italian regions and supervised by the Istituto Superiore di Sanità (ISS) and the Ministry of Health. The final objective is to merge it into a National Diabetes Mellitus Registry. The register will be based on administrative data. A once the data linking routines have been collectively defined, the register will require very few resources and can be updated periodically and automatically. This approach should therefore ensure sustainability.

The specific objectives of the pilot project To create an epidemiological register based on the linkage of administrative data that can distinguish between type I, type II and gestational diabetes, enabling the calculation of incidence and prevalence by age and sex and any other variables of interest. Attention will also be paid to equity, through the inclusion of specific variables on social and demographic characteristics.

Work in coordination with the other Italian Regions involved in JACARDI to propose a pathway to gradually add clinical and longitudinal dimensions to the register, through the definition of integrated regional services for the care of patients with diabetes and through collaboration with the Centres of Diabetology

Brief summary of the activities envisaged in the pilot project

All these activities will be carried out in coordination with the other Italian pilot WP7 and supervised by the ISS and the Italian Ministry of Health, in order to ensure the final goal of merging the regional registers into a national register.

- Define the administrative datasets necessary for the creation of a shared epidemiological registry.
- Define the variables and data linkage routines to identify incident cases and distinguish between diabetes of type I, type II, gestational and other types of diabetes.
- Iteratively compare the results of the preliminary register with the clinical information available at diabetes centres throughout the region, and adjust and improve routines accordingly.
- If necessary, suggest to the national and local health authorities the modification of practices for managing data and patients in order to more easily and unambiguously identify people diagnosed with diabetes.

More information

[JACARDI website\(link is external\)](#)

[JACARDI LinkedIn\(link is external\)](#)