



**Digital Hubs:**  
Advances in Research  
and Health Care

## DISTANCE:PRO

**Digital Hub DISTANCE:PRO –  
Digital Smart Hub for Advanced Connected Care Professional**

### IMPROVING THERAPIES AND QUALITY OF LIFE WITH DIGITAL SOLUTIONS

Medical practices and regional hospitals are central institutions in healthcare delivery. Large amounts of data are generated in these non-university settings, and they hold great potential for the medical research and healthcare of tomorrow.

The Digital Hub DISTANCE:PRO aims to make exactly these data systematically usable. To test the data flow, an app is being developed that accompanies oncology patients after surgery and intensive care treatment beyond the rehabilitation phase.

### OBJECTIVES

- Establishment of external Data Integration Centers as a scalable, cross-sectoral, and interoperable infrastructure for data exchange between regional healthcare institutions and research.
- Development of a market-ready application to improve the quality of life of oncological surgery patients while taking their needs into account.
- Longitudinal mapping and analysis of disease progression to detect critical developments at an early stage, enabling therapeutic interventions to be optimised and targeted more effectively.



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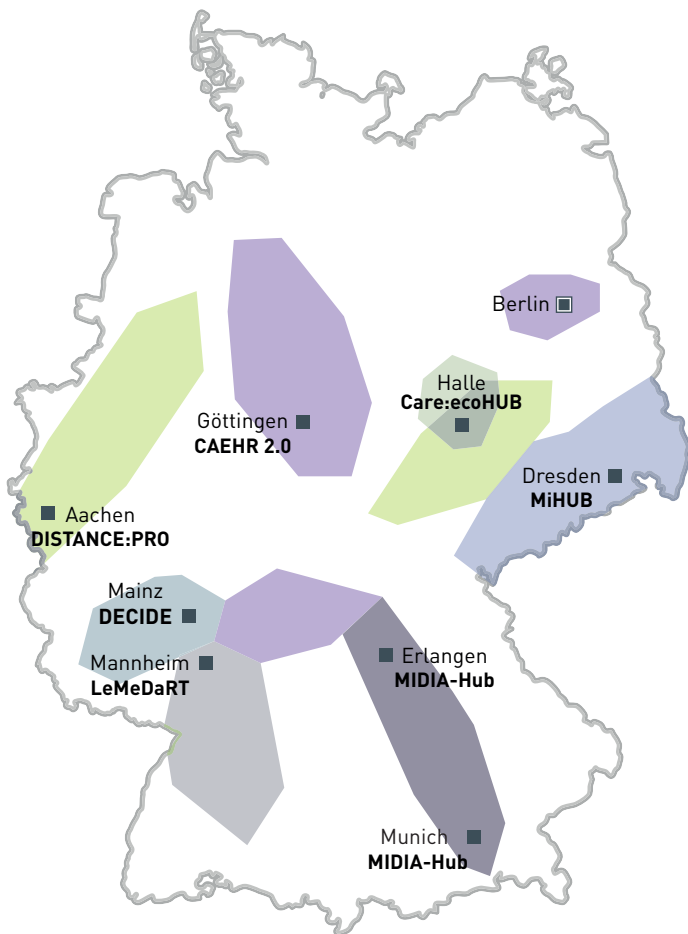
### EXTERNAL DATA INTEGRATION CENTERS PROMOTE CROSS-SECTOR NETWORKING

Since 2018, the Medical Informatics Initiative (MII) has established Data Integration Centers – primarily at university medical institutions – to enable the use of routine care data for research purposes. DISTANCE:PRO transfers the concept of these university-based Data Integration Centers to a new setting: with External Data Integration Centers (XTDIZ), data from regional healthcare provision can be bundled, harmonized, and used for digital applications, AI-supported prediction models, and research in a data protection-compliant manner. The foundation is the Digital Hub developed in the predecessor project DISTANCE (2021–2025), which successfully connected university institutions with regional healthcare providers.

With funding from the:



## DISTANCE:PRO



■ TMF e.V. Head Office DigiHubs

■ Coordinating Locations

*Locations of digital Hubs of the Medical Informatics Initiative and their regional partners.*

MEMBER OF



## DIGITAL SUPPORT ALONG THE CARE PATHWAY

In DISTANCE:PRO, the data flow is tested with the help of a certified app that accompanies oncology patients and patients potentially requiring intensive care throughout the entire course of treatment. Former intensive care patients often experience psychological and physical issues, such as difficulty concentrating or muscle weakness. The app provides support by offering a comprehensive overview of patients' health status – even beyond the rehabilitation phase.

The aim of DISTANCE:PRO is to improve patients' quality of life and to enable the longitudinal mapping of disease trajectories in order to detect critical developments at an early stage and optimize therapeutic measures more effectively. In collaboration with the six other Digital Hubs of the MII, data along the entire care pathway—from prevention and acute care to rehabilitation and long-term follow-up—are digitally integrated and networked.

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Further information can  
be found here:



### PROJECT LEAD

Prof. Dr. Gernot Marx  
University Hospital RWTH Aachen

### PROJECT PARTNERS

University Hospital RWTH Aachen, University Witten-Herdecke, Leipzig University, Fraunhofer ISST, Jena University Hospital, Deutsche Sepsis-Hilfe e. V., St Francis Foundation Münster

### CONTACT

Andreas Bleilevens, Project manager DISTANCE:PRO  
University Hospital RWTH Aachen  
ableilevens@ukaachen.de

Janina Kind, Project manager DISTANCE:PRO  
LIFE Management Cluster  
Leipzig University, Faculty of Medicine  
janina.kind@uni-leipzig.de