

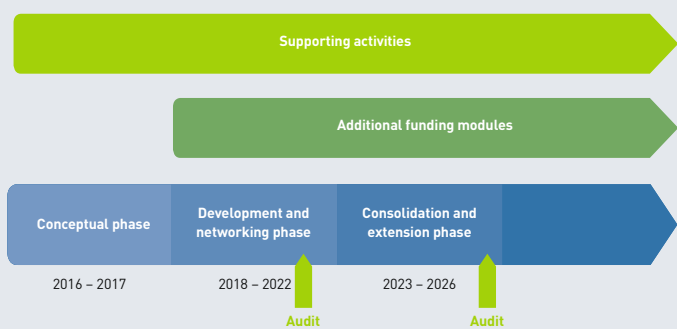
The Medical Informatics Initiative Strengthening research and advancing healthcare

GOALS

- The aim of the Medical Informatics Initiative (MII) is to harness innovative IT solutions to enhance research and patient care.
- These solutions enable the sharing and utilisation of data, gained from healthcare and from clinical and bio-medical research, across multiple entities and sites.
- The initiative additionally strengthens medical informatics in research, education and skills development.

FUNDING PHASES

The German Federal Ministry of Education and Research (BMBF) is investing a total of more than 200 million euros in the Medical Informatics Initiative through 2022. In a later phase of the initiative (2023-2026), results and solutions will be developed further and consolidated. In addition, the BMBF is funding "Digital Hubs: Advances in Research and Health Care" (2021-2025). These integrate data from regional and outpatient care into the structures of the MII.

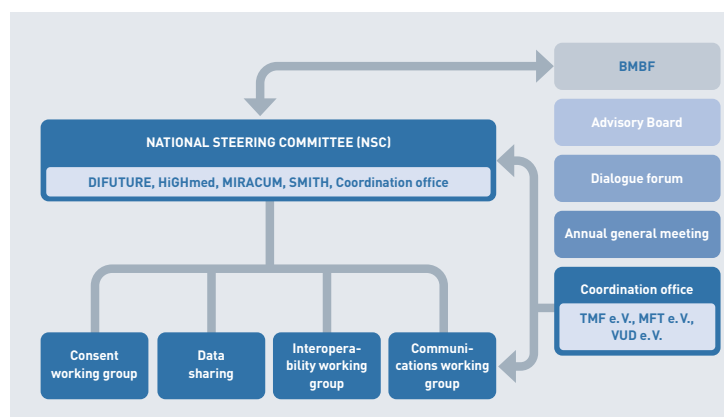


CONSORTIA

Within the four funded consortia – DIFUTURE, HiGHmed, MIRACUM and SMITH – all German university hospitals and medical centres at over 30 locations cooperate with research institutions, businesses, health insurers and patient representatives. Their mission is to create an environment that allows research findings to be used to the direct benefit of patients – while ensuring robust data protection and security.

PROJECT STRUCTURE

- The funded consortia meet regularly within the initiative's National Steering Committee (NSC) to coordinate activities and agree key parameters.
- The NSC is supported by consent, data sharing, interoperability and communication working groups, which develop specialist resources.
- A dialogue forum involves all relevant stakeholders in strategic planning and ongoing development of the MII.
- A Scientific Advisory Board comprising international experts provides specialist expertise to help advance the initiative.
- Collaboration between and beyond consortia is the remit of a coordination office operated by TMF (Technology, Methods and Infrastructure for Networked Medical Research) with MFT (German Association of Medical Faculties) and VUD (German Association of Academic Medical Centers).



INITIAL RESULTS

- Template text for patient consent forms, developed in cooperation with German Federal and State data protection agencies and the Association of Medical Ethics-Committees in Germany (Broad Consent)
- Contractual framework for the use of patient data, biosamples, analytical methods and routines (user agreement and framework participation agreement)
- Data protection concept
- Use and access policy
- Concept of the Central application and registration office (ZARS)
- Shared core data set in line with international standards
- Recommendations for shared use of standardised metadata
- Paper summarising key points on interoperability
- MII roadmap for enhanced research, education and skills development

SPONSORED BY THE



Federal Ministry
of Education
and Research

Consortia and participants during the development and networking phase



DIFUTURE

CONSORTIUM PARTNERS

Augsburg:

- University of Augsburg (UA)*

Bochum:

- Kairos GmbH (KAİROS)

Munich:

- Technical University of Munich (TUM)/University Hospital rechts der Isar (MRI)*
- Ludwig-Maximilians-Universität (LMU) München/Hospital of the Ludwig-Maximilians-University (LMU) Munich*

Tübingen:

- University of Tübingen (EKUT)/University Hospital Tübingen (UKT)*

Ulm:

- Ulm University/Ulm University Medical Center*

NETWORK PARTNERS

Regensburg:

- University Hospital Regensburg

Saarbrücken, Homburg:

- Saarland University/Saarland University Medical Center

HiGHmed

CONSORTIUM PARTNERS

Berlin:

- Robert Koch Institute
- Charité – Universitätsmedizin Berlin*

Brunswick:

- Brunswick University of Technology (TU Braunschweig)
- Helmholtz Centre for Infection Research GmbH (HZI)

Darmstadt:

- Darmstadt University of Technology (TU Darmstadt)

Frankfurt am Main:

- Dell Technologies

Göttingen:

- University Medical Center Göttingen*
- HAWK University of Applied Sciences and Arts Goettingen

Hanover:

- Hannover Medical School*
- Hannover University of Applied Sciences and Arts

Heidelberg:

- Heidelberg University Hospital and the Medical Faculty of Heidelberg*
- German Cancer Research Centre

Heilbronn:

- Heilbronn University

Kiel:

- University Medical Center Schleswig-Holstein (UKSH) – Campus Kiel*

Cologne:

- University of Cologne/University Hospital Cologne (UKK)*

Lübeck:

- University Medical Center Schleswig-Holstein (UKSH) – Campus Lübeck*

Münster:

- University of Münster/Münster University Hospital (UKM)*

Potsdam:

- Hasso Plattner Institute

Walldorf:

- InterComponentWare AG

Würzburg:

- University Hospital of Würzburg/Julius-Maximilians-Universität (JMU)*

NETWORK PARTNERS

Cottbus:

- Carl-Thiem-Klinikum Cottbus gGmbH

MIRACUM

CONSORTIUM PARTNERS

Dresden:

- TU Dresden/University Hospital Dresden*

Erlangen:

- Friedrich Alexander University Erlangen-Nuremberg/University Hospital Erlangen*

Frankfurt am Main:

- Goethe University Frankfurt/Main/University Hospital Frankfurt*

Freiburg:

- University of Freiburg/Medical Center – University of Freiburg*
- Averbis GmbH

Giessen:

- Justus Liebig University Giessen/University Hospital Giessen/Marburg*

THM University of Applied Sciences

Greifswald:

- Greifswald University Hospital*

Magdeburg:

- Otto von Guericke University Magdeburg/University Hospital Magdeburg*

Mainz:

- University Medical Center of the Johannes Gutenberg University Mainz*

Mannheim:

- Medical Faculty Mannheim, Heidelberg University/University Medical Centre Mannheim*

- Mannheim University of Applied Sciences

Marburg:

- Philipps-Universität Marburg/University Hospital Giessen/Marburg*

SMITH

CONSORTIUM PARTNERS

Aachen:

- RWTH Aachen University
- University Hospital RWTH Aachen*

Berlin:

- ID Information & Documentation in Health Care GmbH & Co. KGaA

Bonn:

- University Hospital Bonn*

Dortmund:

- Fraunhofer Institute for Software and Systems Engineering ISST

Essen:

- März Internetwork Services AG
- Essen University Hospital*

Freiburg:

- Averbis GmbH

Halle (Saale):

- University Hospital Halle (Saale)*

Hamburg:

- University Medical Center Hamburg-Eppendorf*

Jena:

- Friedrich Schiller University Jena
- Jena University Hospital*

Jülich:

- Jülich Research Center

Leipzig:

- Leipzig University
- University of Leipzig Medical Center*

Leverkusen:

- Bayer AG

NETWORK PARTNERS

Bochum:

- Ruhr University Bochum

Düsseldorf:

- Düsseldorf University Hospital

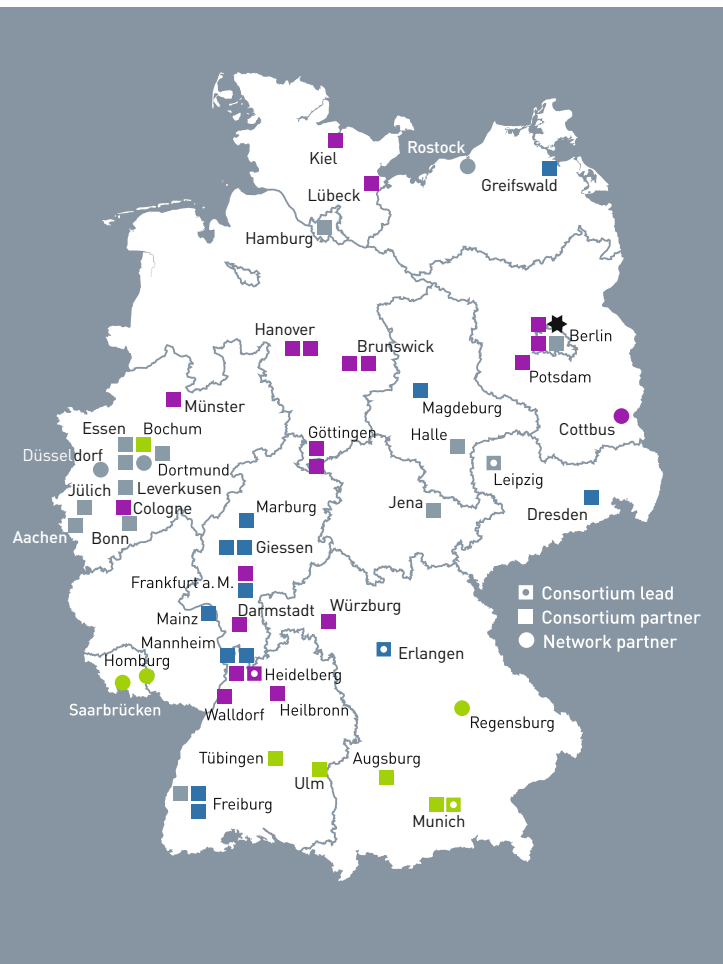
Rostock:

- University Medical Center Rostock

Coordination office

Berlin:

- ★ TMF (Technology, Methods and Infrastructure for Networked Medical Research), MFT (German Association of Medical Faculties), VUD (German Association of Academic Medical Centers)



* University hospital with Data Integration Centre (DIC)



DIFUTURE

HiGHmed

MIRACUM

SMITH

Coordination office