

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 biomedical 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 180 million euros in the Medical Informatics Initiative through 2022. In a later phase of the initiative, results and solutions will be developed further and consolidated.



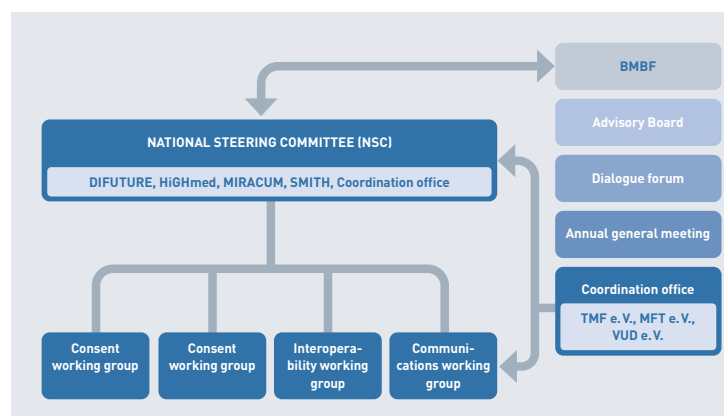
CONSORTIA

Within the four funded consortia – DIFUTURE, HiGHmed, MIRACUM and SMITH – nearly 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
- 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
- University hospital initiative for interoperable patient records

SPONSORED BY THE



Consortia and participants during the development and networking phase



DIFUTURE

CONSORTIUM PARTNERS

Augsburg:

- University of Augsburg (UA)

Bochum:

- Kairos GmbH (KAIVOS)

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
- Ada Health GmbH
- Charité – Universitätsmedizin Berlin*

Brunswick:

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

Darmstadt:

- Darmstadt University of Technology (TU Darmstadt)

Erlangen:

- Siemens Healthcare GmbH

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
- NEC Laboratories Europe

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)*

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
- Uniklinik RWTH Aachen*

Berlin:

- ID Information und Dokumentation im Gesundheitswesen GmbH & Co. KGaA

Bonn:

- University Hospital Bonn*

Dortmund:

- Fraunhofer Institute for Software and Systems Engineering ISST

Essen:

- März Internetwork Services AG
- Universitätsmedizin Essen*

Freiburg:

- Averbis GmbH

Halle (Saale):

- University Hospital Halle (Saale)*

Hamburg:

- University Medical Center Hamburg-Eppendorf*

Jena:

- Friedrich Schiller University Jena
- University Hospital Jena*

Jülich:

- Forschungszentrum Jülich GmbH (Jülich Research Centre)

Leipzig:

- Leipzig University
- Leipzig University Medical Center*

Leverkusen:

- Bayer AG

NETWORK PARTNERS

Bochum:

- Verband des Universitätsklinikums der Ruhr-Universität Bochum

Düsseldorf:

- Düsseldorf University Hospital

Rostock:

- Rostock University Medical Center

Coordination office

Berlin:

- MFT/TMF/VUD

DIFUTURE

HiGHmed

MIRACUM

SMITH

Coordination office

NETWORK PARTNERS

Cottbus:

- Carl-Thiem-Klinikum Cottbus (CTK)

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*

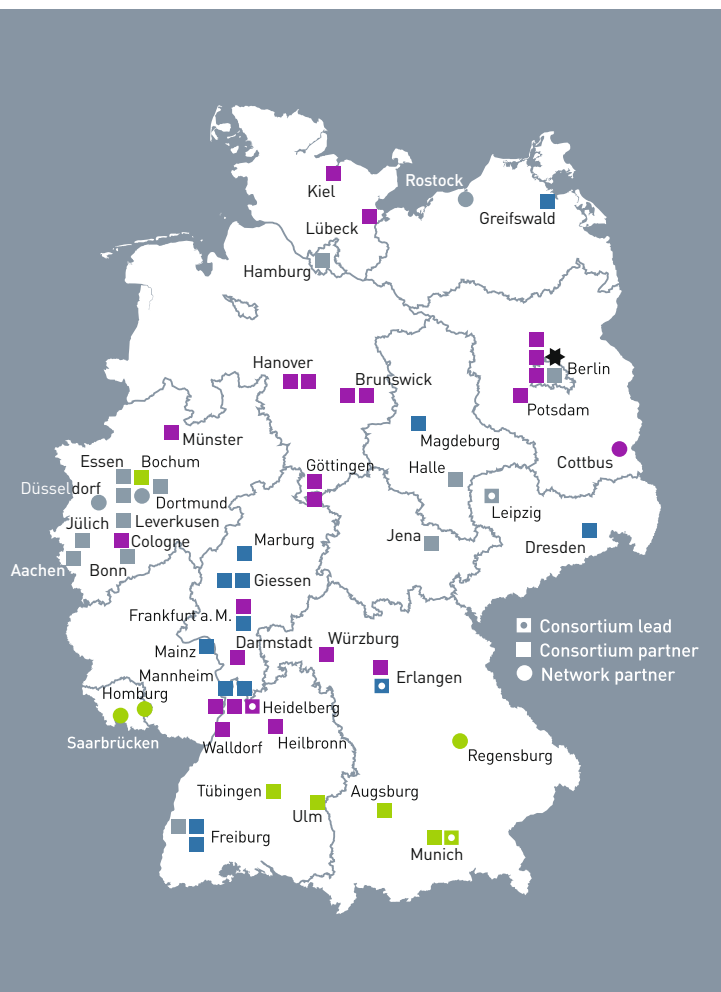
- THM University of Applied Sciences

Greifswald:

- Greifswald University Hospital*

Magdeburg:

- Otto von Guericke University Magdeburg/University Hospital Magdeburg*



* University hospital with Data Integration Center (DIC)

