

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 150 million euros in the Medical Informatics Initiative through 2021. In a later phase of the initiative, results and solutions will be developed further and consolidated.

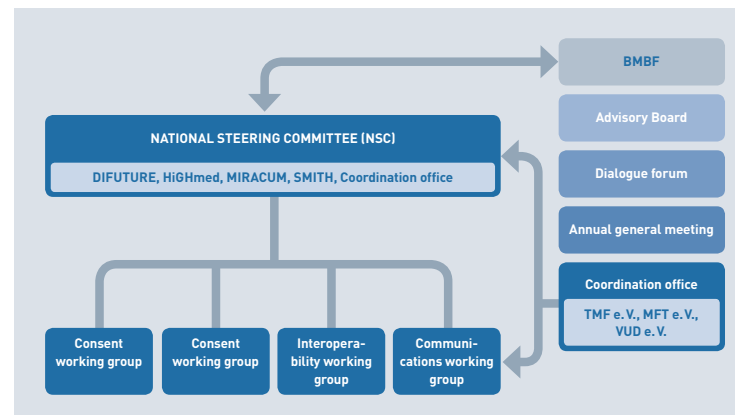


CONSORTIA

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 and discuss specialist resources.
- A dialogue forum involves all relevant stakeholders in strategic planning and ongoing development of the initiative.
- A Scientific Advisory Board comprising international experts provides assistance and 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
- Shared core data set in line with international standards
- Recommendations for shared use of standardised metadata
- Paper summarising key points on interoperability
- Roadmap for the Medical Informatics Initiative 2017 – 2025
- Use and access policy
- 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 (KAIROS)

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

HiGMed

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

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)

Münster:

- University of Münster/Münster University Hospital (UKM)

Potsdam:

- Hasso Plattner Institute

Walldorf:

- InterComponentWare AG

Würzburg:

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

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
- 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
- Essen University Hospital

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

Düsseldorf:

- Düsseldorf University Hospital

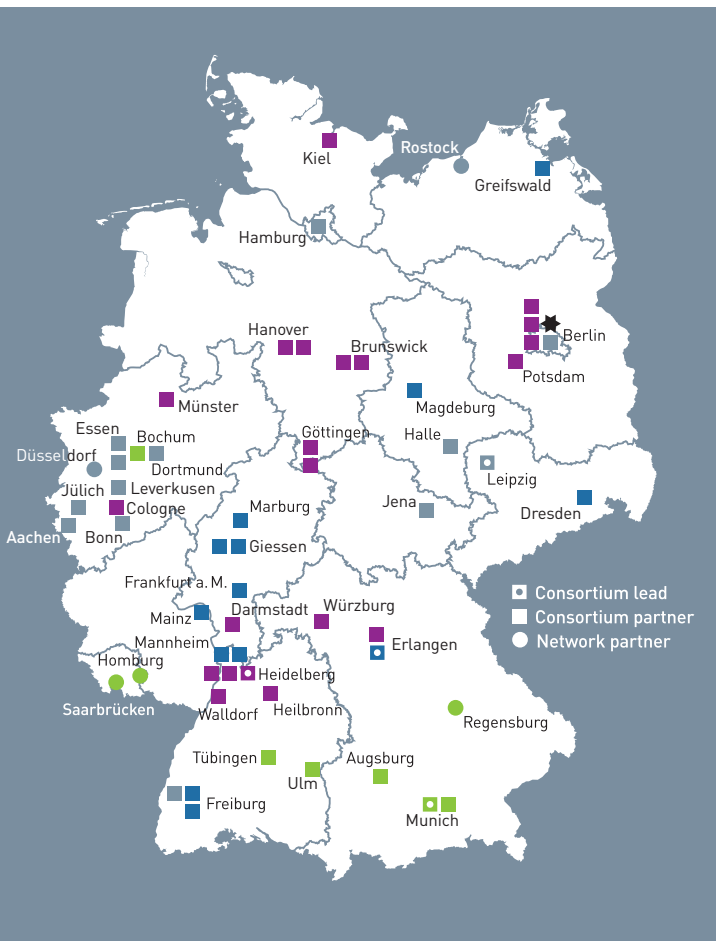
Rostock:

- Rostock University Medical Center

Coordination office

Berlin:

- ★ MFT/TMF/VUD



DIFUTURE

HiGMed

MIRACUM

SMITH

Koordinationsstelle