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

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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 (MRB)*
- Ludwig-Maximilians-Universität (LMU) Munich/Hospital of the Ludwig-Maximilians-University (LMU) Munich*
- Ludwig-Maximilians-Universität 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
- 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:
- 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)*

**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

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

Leipzig:
- Leipzig University

Magdeburg:
- Otto von Guericke University Magdeburg/University Hospital Magdeburg*

**NETWORK PARTNERS**

Bochum:
- Verband des Universitätsklinikums der Ruhr-Universität Bochum
- Medizinische Hochschule Düsseldorf
- Düsseldorf University Hospital

Rostock:
- Rostock University Medical Center

Coordination Office

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