

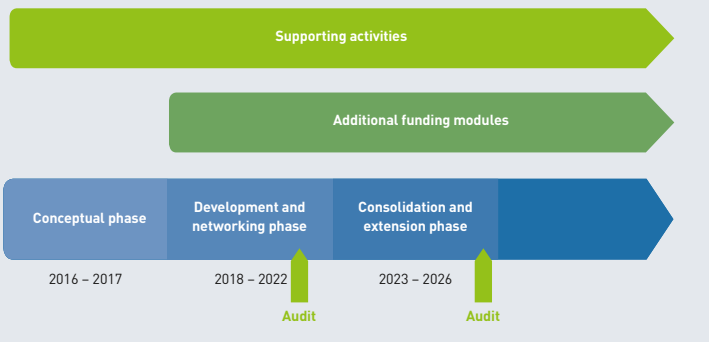
The Medical Informatics Initiative Strengthening research and advancing healthcare

GOALS

- The aim of the Medical Informatics Initiative (MII) is to digitally network data from routine care across Germany and make it available for medical research.
- Medical research helps to better recognise and treat diseases and to prevent them as effectively as possible.
- The initiative additionally strengthens medical informatics in research, education and skills development.

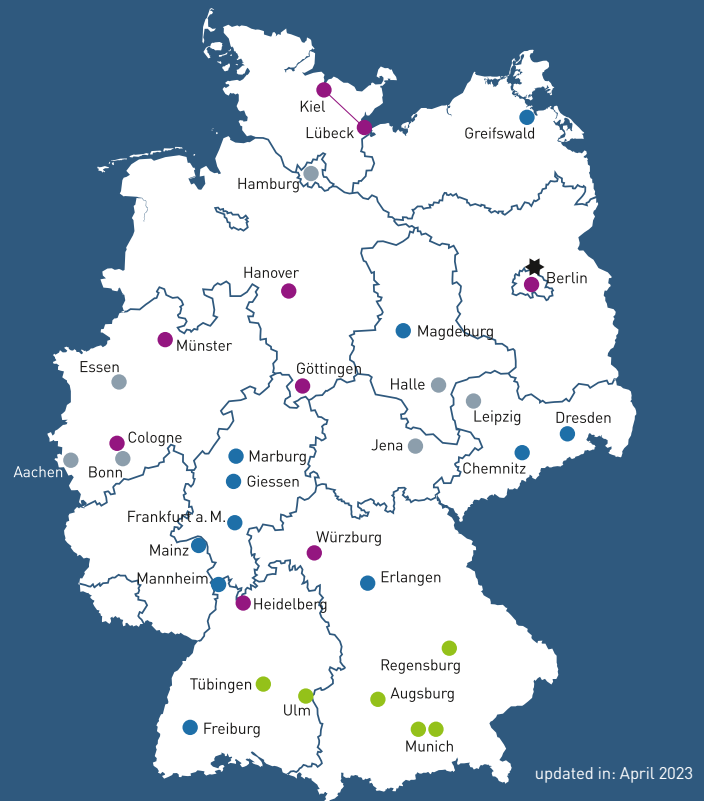
FUNDING PHASES

The German Federal Ministry of Education and Research (BMBF) is investing a total of more than 400 million euros in the Medical Informatics Initiative through 2026. 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 non-university clinics, 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.



Locations of the data integration centres of the Medical Informatics Initiative



DIFUTURE

- Augsburg:**
● University Hospital Augsburg
- Munich:**
● Technical University of Munich (TUM)/
University Hospital rechts der Isar (MRI)
● Hospital of the Ludwig-Maximilians-
University (LMU) Munich
- Regensburg:**
● University Hospital Regensburg (UKR)
- Tübingen:**
● University of Tübingen (EKUT)
- Ulm:**
● Ulm University Medical Center

HiGHmed

- Berlin:**
● Charité Universitätsmedizin Berlin
- Göttingen:**
● University Medical Center Göttingen
- Hanover:**
● Hannover Medical School
- Heidelberg:**
● Heidelberg University Hospital and
the Medical Faculty of Heidelberg
- Kiel/Lübeck:**
● University Medical Center Schleswig-
Holstein (UKSH)
- Cologne:**
● University Hospital Cologne (UKK)
- Münster:**
● University of Münster
- Würzburg:**
● University Hospital of Würzburg/
Julius-Maximilians-Universität (JMU)

MIRACUM

- Chemnitz:**
● Klinikum Chemnitz
- 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

Giessen:

- Justus Liebig University Giessen/
University Hospital Giessen/Marburg

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

Marburg:

- Philipps-Universität Marburg/
University Hospital Giessen/Marburg

SMITH

Aachen:

- Uniklinik RWTH Aachen

Bonn:

- University Hospital Bonn

Essen:

- Essen University Hospital

Halle (Saale):

- University Hospital Halle (Saale)

Hamburg:

- University Medical Center Hamburg-
Eppendorf

Jena:

- University Hospital Jena

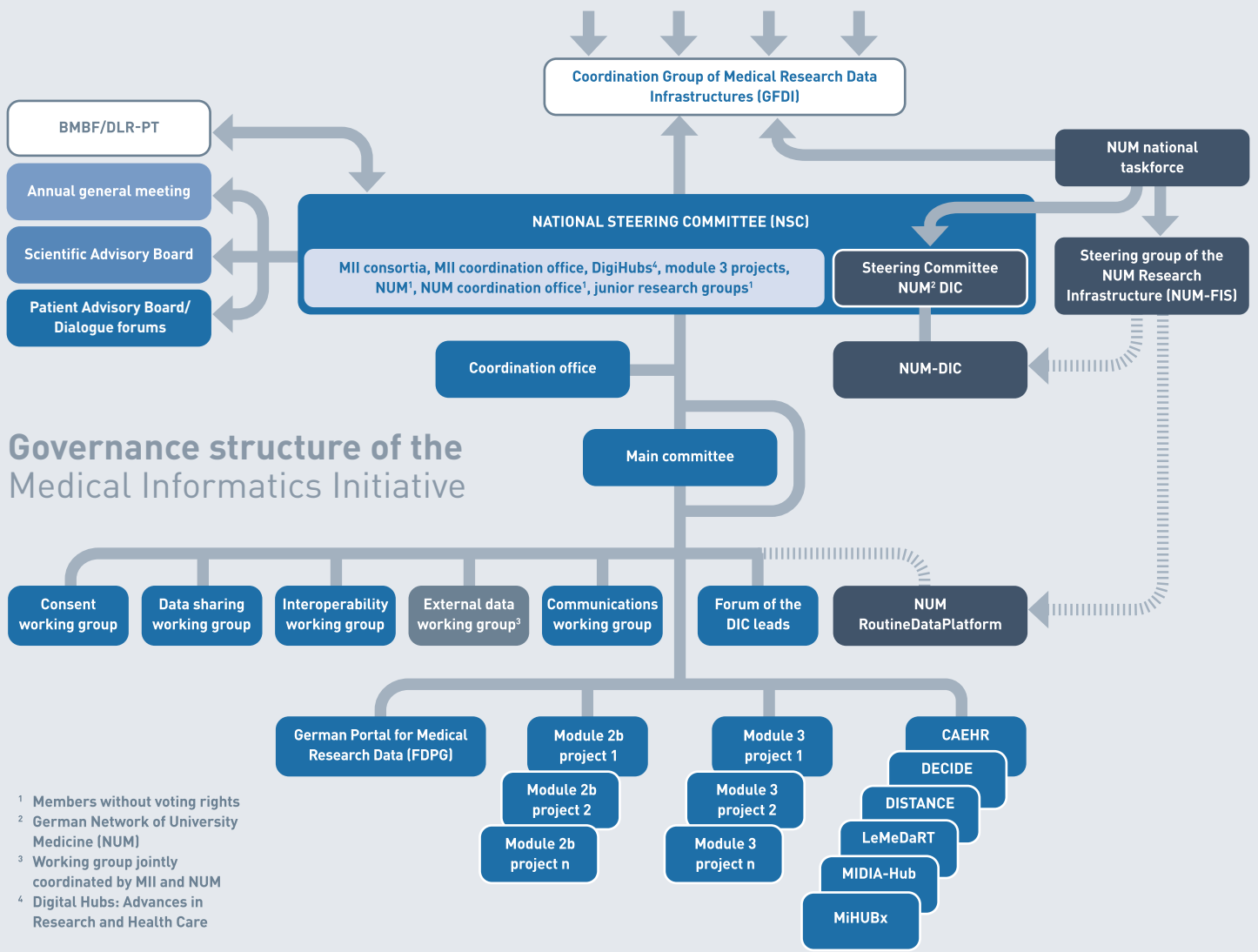
Leipzig:

- Leipzig University Medical Center

Coordination office

Berlin:

- ★ TMF/MFT/UD



PROJECT STRUCTURE

- The 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, external data and communication working groups, which develop specialist resources.
- The main committee coordinates the "Module 3 projects" and the "Digital Hubs".
- Dialogue forums involve relevant stakeholders in the strategic development of the MII.
- An international Scientific Advisory Board and a Patient Advisory Board provide 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 (Broad Consent), developed in cooperation with German Federal and State data protection agencies and the Association of Medical Ethics Committees in Germany
- 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
- German Portal for Medical Research Data (FDPG)
- Shared core data set in line with international standards
- Specifications for harmonised metadata
- Paper summarising key points on interoperability
- MII roadmap for enhanced research, education and skills development



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