

Development of a metadata schema for publication of health-related research data on the German Central Health Study Hub of NFDI4Health

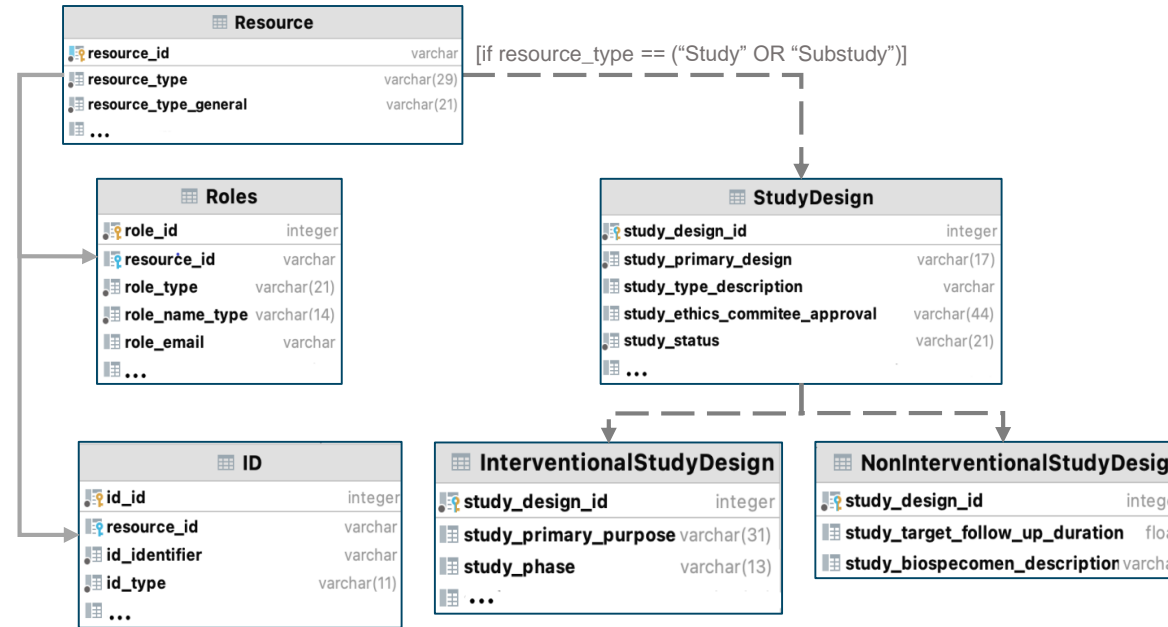
What is NFDI4Health?

The **National Research Data Infrastructure for Personal Health Data – NFDI4Health** – is a consortium which aims to **improve the FAIRness of health-related data** from health resources, including epidemiological, public health and clinical studies, registries and administrative health databases [1].

What is German Central Health Study Hub?

It is one key service of NFDI4Health that supports a standardised **publication and search of health study related research (meta-)data**, i.e. study-level data and related documents [2, 3]. It is based on the **NFDI4Health Metadata Schema** [4, 5].

NFDI4Health Metadata Schema [5]: A simplified view



Reference data models:

Generic metadata standard:
DataCite[6]

Health study specific data models:

- Clinical trials registries models: **ClinicalTrials.Gov[7]**, **DRKS[8]**, **ICTRP[9]**
- Epidemiological study models: **Maelstrom data model[10]**, **MIABIS[11]**

Mapping to
HL7® FHIR®
[12]

CONCLUSION

NFDI4Health Metadata Schema:

- allows to collect **bibliographic information & details about study design and data access** from different health-related domains;
- enables **description, publication** (incl. DOI assignment) and **comparison** of health studies and related resources;
- **is scalable** to adjacent research fields.

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