

<https://health-discovery.io/demo/demo.html>

A significant portion of **data** in **Electronic Health Records** is only available as unstructured **text**, such as surgical or finding **reports**, clinical notes, and discharge summaries. To use this data for secondary purposes, **natural language processing** (NLP) tools are required to extract structured information. Furthermore, for interoperable use, **harmonization** of the data is necessary. HL7 **Fast Healthcare Interoperability Resources** (FHIR), an emerging standard for exchanging **healthcare data**, defines such a structured format. For German-language medical NLP, the tool **Averbis Health Discovery** (AHD) represents a comprehensive solution. AHD offers a proprietary REST interface for text analysis pipelines. To build a bridge between FHIR and this interface, we created a service that translates the communication around AHD from and to FHIR. The application is available under an open-source license ¹⁾.

¹⁾

Scheible R, Caliskan D, Fischer P, Thomczyk F, Zabka S, Schneider H, Boeker M, Schulz S, Prokosch HU, Gulden C. AHD2FHIR: A Tool for Mapping of Natural Language Annotations to Fast Healthcare Interoperability Resources - A Technical Case Report. Stud Health Technol Inform. 2022 Jun 6;290:32-36. doi: 10.3233/SHTI220026. PMID: 35672965.

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Last update: **2022/07/01 00:54**

