

Data Management for Digital Health: Guest Lecturer on Technology Foundations: Digital Health Data

~~Thu Jan 25, 2024 at 01:30 pm in room L-1.06 on
HPI Campus II, August-Bebel-Str. 88, 14482 Potsdam~~

Location changed to Zoom meeting due to announced GDL strike.
Dial-in instruction were shared via e-mail.

Health Data Anonymization in Theory and Practice

Prof. Dr. Fabian Prasser – Berlin Institute of Health (BIH) at Charité

Abstract: Although a variety of methods for anonymizing health data have been proposed in the literature, only a small number of practical software solutions exist today. Indeed, the challenges of implementing anonymization techniques in a comprehensive and scalable manner are often underestimated. Therefore, this talk aims to shed a light on important aspects of health data anonymization. Amongst others, it will introduce specific methods and software tools for anonymization, e.g., the open-source anonymization tool ARX. The latter supports a variety of privacy and risk models, methods for transforming data, and methods for assessing the usefulness of the transformed data. Furthermore, details on anonymization technologies for medical research purposes from selected real-world applications will be shared to open the discussion about potentials and challenges.



Short Bio: Fabian Prasser is professor of medical informatics at the BIH at Charité – University Medicine Berlin. His research focuses on the challenges of integrating and sharing medical data for research purposes. Therefore, one of the most important aspects is data protection. In this context, his group is leading the development of ARX, an internationally recognized open-source software for anonymization of health data. It is the foundation for numerous projects to transform sensitive healthcare data to de-identified research data.