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

Mon Nov 21, 2022 at 11:00 am in Lecture Hall L-E.03 on
HPI Campus II, August-Bebel-Str. 88, 14482 Potsdam

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, few 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. For example, it will introduce specific tools for anonymization, e.g., the open-source anonymization tool ARX. The latter supports a wide variety of privacy and risk models, methods for transforming data, and methods for assessing the usefulness of the transformed data. Additionally, talk will also share real-world applications of using anonymization technologies for medical research purposes opening 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.