

How FAIR is Artificial Intelligence in Healthcare?

Dr. med. Carina Vorisek, M.Sc., Berlin Institute of Health at Charité (BIH),
Core Facility Digital Medicine and Interoperability

Thursday, 21 March 2024, 1 - 2 pm

Lunch Time Lecture (Language: English)

Online: <https://meeting.uol.de/b/jan-k1b-7vt-w5t>

ABSTRACT

Resources are increasingly spent on artificial intelligence (AI) solutions for medical applications aiming to improve diagnosis, treatment and prevention of diseases. In a healthcare setting, AI models require huge amounts of data with highly comprehensive and in some cases, longitudinal patient information. However, health datasets generally lack a common structure, format and standardization. In addition, data are not generally integrated across all healthcare providers but exist relatively isolated in electronic healthcare records and are therefore prone to be biased. Therefore, we need to ask ourselves what data is used to train AI algorithms and how fair are current AI developments in healthcare?.

This lecture is part of the lecture and workshop series:

Gender & Diversity in STEM and Medicine

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