

## **2<sup>nd</sup> ENFIELD Webinar**

### **Bias in Medical AI: Identifying Risks and Ensuring Fairness**

The second ENFIELD webinar was organized in the framework of the Horizon Project ENFIELD (<https://www.enfield-project.eu>), having taken place online on May 23, 2025.

The objective of the webinar was to discuss the Bias in Medical AI.

As artificial intelligence revolutionizes healthcare, enabling faster diagnoses, personalized treatments, and improved patient care. From detecting diseases in medical images to predicting patient risks, AI has the potential to enhance healthcare efficiency and accuracy like never before. However, this powerful technology also comes with challenges, one of the most critical being bias in AI models.

The target audience of the webinar were persons who want to find ways to detect and combat bias in medical artificial intelligence, in particular PhD students, young researchers, professionals, technologists and decision-makers.

During the webinar, 10 presentations were given by speakers both from the ENFIELD project and from outside the project:

- Pankaj Pandey - Presentation of the ENFIELD project
- Bjørn Morten Hofmann - The Ethics of the Inexorable Biases in Medical AI
- Sören Möller - Pseudo-Individual Predictions as Interventional Health Programs - Shattering the Individual into Data Points
- Sofia Couto da Rocha - Synthetic Data Bias Amplification in Healthcare
- Barbara Draghi - Detect and Mitigate Bias in Patient Data Using Synthetic Data Generators
- Konstantina Remoundou - Biases in EHR Databases; a Medical vs Statistical Approach through the ICU Readmission Case
- Chiara Bellatreccia - Addressing Bias and Data Scarcity in AI-Based Skin Disease Diagnosis with Non-Dermoscopic Images
- Panagiotis Tsakanikas - APPO - Building AI Trust through Bias Identification
- Andrei Olaru - Towards a Framework for Bias Analysis in Data
- Juulia Jylhävä - AI-Driven NLP Models to Identify Aging-Related Health Issues in Free-Text EHR Data

The slides of the presentations are publicly available at the following link:  
<https://aimas.cs.pub.ro/2ndenfieldwebinar/#program>

The recordings of the webinar are publicly available at the following link:  
<https://aimas.cs.pub.ro/2ndenfieldwebinar/#recording>

or

<https://www.youtube.com/watch?v=-44xt5jJN0w>