Co-located with 18th ACM Conference on Recommender Systems

The 6th International Workshop on Health Recommender Systems

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Preface

Launched in 2016, the Health Recommender Systems Workshop (HealthRecSys), quickly became a pivotal forum for discussing the transformative potential of personalized recommender systems within the health and care sectors. This annual full-day event has successfully fostered a vibrant community of researchers, sparking engaging discussions on leveraging technology for beneficial health outcomes while emphasizing ethical practices in such a sensitive field. These discussions not only facilitated easier exchanges but also highlighted the workshop's role in fostering responsible technological advancements. The HealthRecSys workshop is discussing multiple fields in which recommender systems can improve well-being, health, care, and self-awareness. The use of recommender systems in the health domain gives a new perspective to current discussions and challenges of recommender systems, including how to involve users in the recommendation process, as well as the need to account for crucial aspects of trust and privacy.

Following the five previous workshops, the focus of this workshop is to intensify the discussion on health promotion, health information, health care, as well as health-related methods. This workshop also aims to strengthen the HealthRecSys community, engage representatives of health domains in cross-domain collaborations, and exchange and share infrastructure. This volume contains the papers presented at the 6th international workshop on health recommender systems on October 18, 2024, held as part of the 18th ACM Conference on Recommender Systems. Following a peer review process with two to four reviewers per paper, 13 papers were accepted for presentation at the workshop.

The 2024 submissions covered a diverse range of health-related goals, data types, algorithms, and subdomains. The topics addressed included contextual data, physical activity, autism, public health, clinical trials, food systems, infection suppression, patient metadata, and personalized healthcare. In addition, the submissions explored the intersection of health with advanced technologies, such as generative AI, large language models, and health-aware recommendation systems. Themes of equity, privacy, and ethics in health recommenders were emphasized, along with human / expert-in-the-loop personalization, adaptive systems, behavioral interventions, and persuasion. Other critical topics included privacy and security concerns, data management, integration with electronic health records, user compliance, drug recommendation systems, and mobile health applications.

The HealthRecSys chairs would like to thank the authors, presenters, and PC members whose efforts were integral to the success of the workshop. They also thank the ACM RecSys 2024 organizing committee, especially the workshop chairs for their support.

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