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<b>Nota di contenuto</b>	-- Patient Empowerment. -- From Monitoring to Empowerment: Revolutionizing Elderly and Bedridden Care with Low-Cost Privacy-First Technology. -- Serious Games for Children with Motor Dysgraphia: Context and Requirements Analysis and Participatory Design Thinking Ideation. -- The potential for digital physical behaviour outcomes to support disease prevention and treatment. -- Design Considerations for Self-Management Technologies for People Living with Dementia and Informal Carers - Perspectives of Healthcare Professionals and Charity Workers. -- A Knowledge Graph Question Answering System for Personalized Nutrition and Recipes Recommendation. -- Does Personalization of Motivational Messages Enhance Adherence to Walking Interventions Among Cancer Patients?. -- You are not you

when you are tired: The effects of ego depletion on stress levels reporting. -- The causal effect of personality traits on the mental health in breast cancer patients under the occurrence of negative life events. -- Preliminary Validation of an IMU-based Physiotherapy Assessment System for the Lower Extremities. -- Exploring Interruptions and Task Resumption Strategies for Designing Digital Home Health Assessments. -- Bias in Context: Clinicians Perceptions of Women's Healthcare. -- Exploring Stress Management and Coping Mechanisms of Indian International Students: A Pilot Study. -- Measuring Contextual Factors that Influence Real-World Walking Speed. -- DIGITAL TWINS IN MEDICINE: WHERE WE STAND?. -- Artificial Intelligence. -- Dropout Prediction Using Advanced Machine Learning Models in a School and Community-Based Intervention to Promote Healthy Lifestyle and Prevent Type 2 Diabetes: Feel4Diabetes. -- A Parkinson's Disease Gait Identification Model based on Attention Mechanism and Long Short-Term Memory Network. -- Enhancing Asthma Attack Predictions with Neural Network Architectures in Electronic Health Record Data. -- Anemoi: Breath Analytics for Ailment Prediction and Recovery Tracking. -- Temporal Analysis on Topics Using Word2Vec: Insights from Health and Sports News. -- Detecting Sleep Disruptions in Adolescents Using Context-sensitive Ecological Momentary Assessment: A Feasibility Study. -- Medical Imaging. -- Brain Magnetic Resonance Imaging Segmentation System in MS with Deep Neural Networks. -- Radiomics Prediction of Pathologic Complete Response to Neoadjuvant Chemotherapy in Breast Cancer: Interpretation and Imaging Pitfalls. -- Education. -- Applying virtual reality in older adult healthcare education - A case study. -- Design and Evaluation of an AR-Assisted Tool for Enhancing Breast Self-Examination and Awareness.

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#### Sommario/riassunto

The two-volume set LNICST 611 and LNICST 612 constitutes the refereed proceedings of the 18th EAI International Conference on Pervasive Computing Technologies for Healthcare, PervasiveHealth 2024, held in Heraklion, Crete, Greece, during September 17–18, 2024. The 45 full papers included in these proceedings were carefully reviewed and selected from 120 submissions. They were split in topical sections as follows: Part I : Patient Empowerment; Artificial Intelligence; Medical Imaging; Education. Part II : Education; mHealth and Telemonitoring; 3rd IOT-HR: Workshop on Internet of Things in Health Research; Posters.

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