

1. Record Nr.	UNINA9910556893403321
Titolo	Pervasive Computing Technologies for Healthcare : 15th EAI International Conference, Pervasive Health 2021, Virtual Event, December 6-8, 2021, Proceedings // edited by Hadas Lewy, Refael Barkan
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2022
ISBN	3-030-99194-6
Edizione	[1st ed. 2022.]
Descrizione fisica	1 online resource (574 pages)
Collana	Lecture Notes of the Institute for Computer Sciences, Social Informatics and Telecommunications Engineering, , 1867-822X ; ; 431
Disciplina	610.2854
Soggetti	Medical informatics Health Informatics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	AI for COVID-19 treatment in Hospitals and community care -- Clinical Decision Making and Outcome prediction for COVID-19 patients Using Machine Learning -- Building a Tool that Draws from the Collective Wisdom of the Internet to Help Users Respond Effectively to Anxiety-Related Questions -- Technologies implementation, acceptance and evaluation during the pandemic -- Aspects of technology and pervasive health use in care organizations during the pandemic: Report from a municipality Covid-19 study -- Acceptance Evaluation of a COVID-19 Home Health Service Delivery Relational Agent -- The impact of COVID-19 on LGBTQIA+ individuals' technology use to seek health information and services -- Remote monitoring -- Detecting Bed Occupancy Using Thermal Sensing Technology: A Feasibility Study -- Remote Care 9 Iris: A Low-Cost Telemedicine Robot to Support Healthcare Safety and Wireless Sensor Networks for Telerehabilitation of Parkinson's Disease using Rhythmic Auditory Stimulation -- We're Not Meant to Deal With Crisis for a Year: Supporting Frontline Healthcare Providers' Wellness During a Pandemic -- Therapist-Informed Design Directions for Mobile Assistive Technologies for Anxiety -- Queering E-Therapy: Considerations for the Delivery of

Virtual Reality based Mental Health Solutions with LGBTQ2IA+ Communities -- FatigueSet: A Multi-modal Dataset for Modeling Mental Fatigue and Fatigability -- Exploring Unique App Signature of the Depressed and Non-depressed Through Their Fingerprints on Apps -- Serious Game for Nutritional Education of Children and Adolescents with Neurodevelopmental Disorders -- Elderly Care and Technologies -- Designing Conversational Assistants to Support Older Adults' Personal Health Record Access -- Helping People to Control Their Everyday Data for Care: A Scenario-Based Study -- The peer support for elderly breast cancer patients' continuing care at home through smart service system -- RITA: A privacy-aware toileting assistance designed for people with dementia -- Design of a Rule-based and ADL Analysis System to Support Care of the Elderly -- Design for Discordant Chronic Comorbidities(DCCs): a DCC Care Model -- Assistive Technologies -- Lessons learned in developing sensorised textiles to capture body shapes -- Translating a DCC Care Model into a Conceptual Tool (DCCs Ecosystem): A case Study with a Design Team -- Towards Enhancing the Multimodal Interaction of a Social Robot to Assist Children with Autism in Emotion Regulation -- A Machine Learning based Prediction System to Evaluate the Autism Level Improvement -- Technologies and Health Behavior -- GamifyHealth: A Generic Software Framework for Health Behavioral Change.

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#### Sommario/riassunto

This book constitutes the refereed proceedings of the 15th International Conference on Pervasive Computing Technologies for Healthcare, Pervasive Health 2021, held in December 2021. Due to COVID-19 pandemic the conference was held virtually. The 28 full and 7 short papers were selected from 74 submissions and are organized in 3 main tracks: hospitality and community care, homecare and medical education. The COVID 19 pandemic was challenging all dimensions of Pervasive Health (PH) and traditional ways of monitoring, diagnosing, treating and communicating changed dramatically.

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