1.	Record Nr.	UNINA9910523727703321
	Autore	Wu C. H.
	Titolo	IoT for elderly, aging and eHealth : quality of life and independent living for the elderly / / C.H. Wu [et al.]
	Pubbl/distr/stampa	Cham, Switzerland : , : Springer, , [2022] ©2022
	ISBN	3-030-93387-3
	Descrizione fisica	1 online resource (147 pages) : illustrations (chiefly color)
	Collana	Lecture notes on data engineering and communications technologies ; ; Volume 108
	Disciplina	004.678
	Soggetti	Gerontechnology Internet of things Older people - Care - Technological innovations
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
	Nota di bibliografia	Includes bibliographical references.
	Nota di contenuto	Introduction The Vision of the Healthcare Industry for Supporting the Aging Population Building Long-Term Care Services Around the World Iot and Cloud Computing for Development of Systems for Elderly and E-Health New Generation of Healthcare Services Based on Internet of Medical Things, Edge and Cloud Computing Infrastructures Artificial Intelligence and Data Mining Techniques for the Wellbeing of Elderly Domesticating Homecare Services Case Study in Fall Prevention in Indoor Environments Case Study in Elderly Consultancy Services Case Study in Remote Diagnosis
	Sommario/riassunto	This book reflects the recent developments while providing a comprehensive introduction to the Internet of things (IoT) and cloud technologies in transforming aging. IoT has its origins in device connectivity, whereas the cloud grew out of computer science. They can be viewed as two facets of the same field, and together they have undergone substantial development over the past ten years. This book is aimed at advanced undergraduates or first-year research students, as well as researchers and practitioners, and assumes no previous knowledge of IoT and cloud concepts. Basics of computer applications and concepts are required. Some familiarity with gerontechnology would be helpful, though not essential, as this book includes a self-

contained introduction to how technology is transforming elderly care and eHealth management. This book aims to give references that offer more detail than is possible here and hopefully provide an entry point into a series of technologies that can improve the quality of life for the elderly. The book includes several case studies explaining how each piece of technology works and its benefits to the elderly. This book is also considered as a simple guide to the technologies for the elderly to use in the community.