

Roadmap to Successful Digital Health Ecosystems

A Global Perspective

Edited by Evelyn Hovenga and Heather Grain

Roadmap to Successful Digital Health Ecosystems: A Global Perspective presents evidence-based solutions found from adopting open platforms, standard information models, technology neutral data repositories, and computable clinical data and knowledge (ontologies, terminologies, content models, process models, and guidelines), resulting in improved patient, organizational, and global health outcomes. The book helps engaging countries and stakeholders take action and commit to a digital health strategy, create a global environment and processes that will facilitate and induce collaboration, develop processes for monitoring and evaluating national digital health strategies, and enable learnings to be shared in support of WHO's global strategy for digital health.

The book explains different perspectives and local environments for digital health implementation, including data/information and technology governance, secondary data use, need for effective data interpretation, costly adverse events, models of care, HR management, workforce planning, system connectivity, data sharing and linking, small and big data, change management, and future vision. All proposed solutions are based on real-world scientific, social, and political evidence.

Key Features

- Provides a roadmap, based on examples already in place, to develop and implement digital health systems on a large-scale that are easily reproducible in different environments
- Addresses World Health Organization (WHO)-identified research gaps associated with the feasibility and effectiveness of various digital health interventions
- Helps readers improve future decision-making within a digital environment by detailing insights into the complexities of the health system
- Presents evidence from real-world case studies from multiple countries to discuss new skills that suit new paradigms

Evelyn Hovenga, RN, PhD, FACS, FACN, FAIDH, FIAHSI, currently manages eHealth Education, a Registered Training Organization (RTO), the not-for-profit Global eHealth Collaborative (GeHCo), is an Honorary Senior Research Associate at the Centre for Health Informatics and Multiprofessional Education, University College London (<http://www.chime.ucl.ac.uk/>) and is a consulting Professor of Digital Health at the Australian Catholic University. She retired as Professor of Health Informatics at Central Queensland University in 2007, following a 25-year career in this discipline. Evelyn started her career as a registered nurse; has health executive, public service, educational and research experience; obtained a PhD in Health Administration (Nursing Informatics). Her health informatics career focused on standards development for Standards Australia and the International Organization for Standardization TC215 as these apply to EHRs, semantic interoperability, and terminology.

Heather Grain, ADip HIM, Dip TDD, GDip IS, MHI, FAIDH, FMU, FIAHSI, has international expertise in the development, implementation, management, and governance of digital health systems and data, including terminologies and classifications. Heather is a leader of the electronic health record system and information resources design and implementation, having worked in this area in many countries. She is a respected eHealth leader having held leadership roles in health informatics at the International Organization for Standardization (ISO), Health Level 7 International or HL7 (the organization responsible for the development of health information exchange standards (computer to computer), and SNOMED International (the organization responsible for clinical terminology development to represent meaning in information systems) and currently leads the Information Governance Ad Hoc Group for ISO TC215.



ACADEMIC PRESS

An imprint of Elsevier
elsevier.com/books-and-journals

ISBN 978-0-12-823413-6



ACADEMIC PRESS

Hovenga
Grain

Roadmap to Successful
Digital Health Ecosystems

Roadmap to Successful Digital Health Ecosystems

A Global Perspective

Edited by
Evelyn Hovenga
Heather Grain

