Health Information Systems and the Advancement of Medical Practice in Developing Countries

Part of the Advances in Human Services and Public Health Book Series

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Description:

The continuous development of new technologies has led to significant socio-economic advances in modern society. When applied in the medical sector, healthcare delivery techniques are optimized.

Health Information Systems and the Advancement of Medical Practice in Developing Countries is a comprehensive reference source for the latest scholarly research on technology utilization for delivering reliable and accurate health information to patients and clinical staff. Highlighting pivotal perspectives on topics such as mobile health, telemedicine, and healthcare access, this book is ideally designed for professionals, practitioners, researchers, academics, and graduate students interested in the benefits and challenges of technology applications in healthcare systems.


Topics Covered:

- E-Learning Resources
- Geographic Information Systems
- Health Service Costs
- Healthcare Access
- Medical Education
- Mobile Health
- Telemedicine

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**Kgomotso Moahi** is an Associate Professor in the Department of Library and Information Studies at the University of Botswana. Kgomotso Moahi has researched and written extensively on the use of ICTs in information management and librarianship; promotion and protection of indigenous knowledge; and health informatics. Kgomotso has served in many capacities at the University of Botswana: She has been head of Department in the Library and Information Studies department; she has been Dean of the Faculty of Humanities; she has served in many committees and has been a member of Senate and the governing Council. She has also represented the University in her professional service by participating in a number of initiatives aimed at encouraging the use of Information Communication Technology (ICT) for development such as the development of an ICT policy for Botswana (MAITLAMO); She was co-chair of the health commission in the 2nd World Information Technology Forum (WITFOR) conference that took place in Gaborone in 2005; She participated in a Telemedicine feasibility study that was spearheaded by the Botswana Technology Centre (BOTECC) in 2005/6. She helped found the Children's Information Trust in 2004 which aims to encourage the development of libraries in primary schools. Kgomotso Moahi is currently vice Chair of the ICT sub sector committee of the Human Resource Development Council of Botswana.

**Kelvin Joseph Bwalya** is an Associate Professor at the Centre for Information and Knowledge Management, University of Johannesburg. He has a PhD in Information Management (University of Johannesburg), Masters of Computer Science (Korea Advanced Institute of Science and Technology – KAIST) and Bachelors in Electronics and Electrical Power Engineering (Moscow Power Engineering Technical University). He is also a member of the Board of Directors – Mosi-oa-Tunya University of Science and Technology – MUST. Prof Bwalya is also a PhD supervisor and member of the Board of Exams at Tswana University of Technology, National University of Science and Technology - Zimbabwe, University of KwaZulu Nata, University of South Africa, University of Zululand, University of the Free State, Annamalai University, Alagappa University, Mohamed Sathak College of Arts and Science, etc. He has supervised 5 PhDs to completion, several Masters and undergraduate projects. He has published 7 books and over 100 pieces of peer reviewed articles and has also managed research funds over US$500,000 in total. He is also a member of various professional bodies and editorial teams. He has previously worked at the University of Botswana, University of Zambia, Samsung Electronics and has led teams of experts in Information Systems and Information Technology tertiary programmes' assessments under the auspices of the Botswana Qualifications Authority. His current research interests are big data and predictive analytics, genomics, spatial-temporal data modelling, competitive intelligence, databases, m-Government, open data, etc.

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