Healthcare, a vital industry that touches most of us in our lives, faces major challenges in demographics, technology, and finance. Longer life expectancy and an aging population, technological advancements that keep people younger and healthier, and financial issues are a constant strain on healthcare organizations’ resources and management. Focusing on the organization’s ability to improve access, quality, and value of care to the patient may present possible solutions to these challenges.

The Encyclopedia of Healthcare Information Systems provides an extensive and rich compilation of research from over 430 authors in 37 countries, discussing the use, adoption, design, and diffusion of ICTs in healthcare, including ICTs’ roles in the future of healthcare delivery; access, quality, and value of healthcare; nature and evaluation of medical technologies; ethics and social implications; and medical information management.

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Encyclopedia of Healthcare Information Systems
Edited by: Nilmini Wickramasinghe and Eliezer Geisler, Illinois Institute of Technology, USA

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About the Editors:

Nilmini Wickramasinghe (PhD; MBA; GradDipMgtSt; BSc AmusA, piano; AmusA, violin) researches and teaches in several areas within information systems including knowledge management, e-commerce and m-commerce, and organizational impacts of technology with particular focus on the applications of these areas to healthcare and thereby effecting superior healthcare delivery. She is well published in all these areas with more than 60 referred scholarly articles and several books. In addition, she regularly presents her work throughout North America, as well as in Europe and Australasia. Dr. Wickramasinghe is the U.S. representative of the Health Care Technology Management Association (HCTM), an international network of scholars that focuses on critical healthcare issues and the role of technology within the domain of healthcare. She is the associate director of the Center for the Management of Medical Technologies (CMMT) and holds an associate professor position at the Stuart School of Business, Illinois Institute of Technology. In addition, Dr. Wickramasinghe is the editor-in-chief of two scholarly journals: International Journal of Networking and Virtual Organisations and International Journal of Biomedical Engineering and Technology.

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