



# Innovative Healthcare Systems for the 21st Century [

Qudrat-Ullah, Hassan,

ed. lit

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Springer International Publishing,

2017

Health care management

Computer simulation

Practice of medicine

Social policy

Health Care Management

Simulation and Modeling

Health

Administration

Data-driven Science, Modeling and Theory Building

Social

Policy

Monografía

This book presents the latest in decision-making tools, techniques, and solutions for policy makers to utilize in overcoming the challenges faced by healthcare systems. With contributions from experts world-wide, an array of healthcare management models, techniques, and integrative solutions are presented, drawing on econometric, system dynamics, and agent-based models as well as state-of-the-art empirical studies. As total healthcare spending (both total expenditures on health as a percentage of GDP and average spending on per capita) increases across most of the worlds economies, healthcare systems continue to face challenges in terms of cost, quality, and access, as a result of its fragmented nature. Consequently, healthcare managers and policy makers require innovative integrative approaches and solutions to better manage complex, dynamic healthcare systems. This volume offers researchers and policy makers an insightful and critical review of the state of the art in healthcare modeling, with a particular focus on system dynamics, agent-based models, and modern empirical studies. It will be of interest to those in the fields of health, business management, and information systems

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**Título:** Innovative Healthcare Systems for the 21st Century [Recurso electrónico] edited by Hassan Qudrat-Ullah, Peter Tsasis

**Editorial:** Cham Springer International Publishing Imprint: Springer 2017

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**Descripción física:** XVIII, 341 p. 101 il., 81 il. col

**Mención de serie:** Understanding Complex Systems

**Contenido:** Chapter1. Innovative Healthcare Systems: An Introduction -- Chapter2. Innovative Healthcare Applications of ICT for Developing Countries -- Chapter3. Transdisciplinary Approach to Design of a Total

Healing Environment -- Chapter4. Systemic Development of Health Organizations: An Integrative Systems Methodology -- Chapter5. Centralizing Health Policies in an Age of Global Migration Flows -- Chapter6. Solar system design for water treatment: Anti Bacterial heat exchanger -- Chapter7. Modeling to Inform Long Term Care Policy and Planning for an Aging Society -- Chapter8. Framing Caesarean Section reduction policies through a Dynamic Performance Management approach: a Maternity Pathway case-based analysis -- Chapter9. Epimemetic Landscape- Relationship of Organizational Culture, Performance and Compliance vs Engagement -- Chapter10. Big Data Analytics in Healthcare Internet of Things -- Chapter11. Status and Challenges on Adaptation for Indian Healthcare Services with Data Mining Technique -- Chapter12. High Performance HR Practices in Healthcare in Canada -- Chapter13. Afterword: Moving Forward in Healthcare Systems in the 21st Century

**ISBN:** 9783319557748 9783319557731 9783319557755 9783319857435

**Materia:** Health care management Computer simulation Practice of medicine Social policy Health Care Management. Simulation and Modeling. Health Administration. Data-driven Science, Modeling and Theory Building. Social Policy.

**Autores:** Qudrat-Ullah, Hassan, ed. lit Tsasis, Peter, ed. lit

**Enlace a formato físico adicional:** 3-319-55773-4

**Punto acceso adicional serie-Título:** Understanding Complex Systems

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