

Table of Contents

International Journal of Healthcare Information Systems and Informatics

Volume 14 • Issue 3 • July-September-2019 • ISSN: 1555-3396 • eISSN: 1555-340X

An official publication of the Information Resources Management Association

Special Issue on Medical Informatics

Guest Editorial Preface

- v Tai-hoon Kim, GVSA and University of Tasmania, Hobart, Australia
Wai Chi Fang, National Chiao Tung University, Hsinchu, Taiwan
Sabah Mohammed, Lakehead University, Canada
Mincong Tang, Beijing Jiaotong University, Beijing, China

Research Articles

- 1 **Design and Implementation of Digital Asthma Diagnosis System**
Qinghua Yao, Changchun University of Technology, Changchun, China
Xiantao Yang, Changchun University of Technology, Changchun, China
- 16 **Research on Improved Apriori Algorithm Based on Data Mining in Electronic Cases**
Xiaoli Wang, Mudanjiang Medical University, Mudanjiang, China
Kui Su, Mudanjiang Medical University, Mudanjiang, China
Lirong Su, Mudanjiang Medical University, Mudanjiang, China
- 29 **Comparison of Genetic Variations in Zika Virus Isolated From Different Geographic Regions**
Jooyeon Park, Dept. of Big Data Science, University of Science & Technology, Daejeon, Republic of Korea
Jinhwa Jang, Biomedical Prediction Technology Lab, Korea Institute of Science and Technology Information, Yuseong-gu, Republic of Korea
Insung Ahn, University of Science and Technology, Daejeon, Republic of Korea

Open Access Article

- 40 **Using Data Analytics to Predict Hospital Mortality in Sepsis Patients**
Yazan Alnsour, University of Illinois at Springfield, Springfield, USA
Rassule Hadidi, University of Illinois at Springfield, Springfield, USA
Neetu Singh, University of Illinois at Springfield, Springfield, USA

COPYRIGHT

The *International Journal of Healthcare Information Systems and Informatics (IJHISI)* (ISSN 1555-3396; eISSN 1555-340X), Copyright © 2019 IGI Global. All rights, including translation into other languages reserved by the publisher. No part of this journal may be reproduced or used in any form or by any means without written permission from the publisher, except for noncommercial, educational use including classroom teaching purposes. Product or company names used in this journal are for identification purposes only. Inclusion of the names of the products or companies does not indicate a claim of ownership by IGI Global of the trademark or registered trademark. The views expressed in this journal are those of the authors but not necessarily of IGI Global.

The *International Journal of Healthcare Information Systems and Informatics* is indexed or listed in the following: ACM Digital Library; Australian Business Deans Council (ABDC); Bacon's Media Directory; Burrelle's Media Directory; Cabell's Directories; Compendex (Elsevier Engineering Index); CSA Illumina; DBLP; Gale Directory of Publications & Broadcast Media; GetCited; Google Scholar; INSPEC; JournalTOCs; Library & Information Science Abstracts (LISA); MediaFinder; Norwegian Social Science Data Services (NSD); SCOPUS; The Index of Information Systems Journals; The Standard Periodical Directory; Ulrich's Periodicals Directory; Web of Science; Web of Science Emerging Sources Citation Index (ESCI)