Big Data and Analytics in Healthcare (IJBDAH)

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Editor(s)-in-Chief: Fernando Martin-Sanchez (Weill Cornell Medicine, USA) and John Holmes (University of Pennsylvania, USA)

The International Journal of Big Data and Analytics in Healthcare (IJBDAH) publishes high-quality, scholarly research papers, position papers, and case studies covering: hardware platforms and architectures, development of software methods, techniques and tools, applications and governance and adoption strategies for the use of big data in healthcare and clinical research. The journal has a special focus on new research challenges for informatics arising from the development of longitudinal environmental risk data processing methods (the individual exposome or partial exotypes), including those obtained from personal sensors and devices, clinical records and population/geospatial data. Focusing on key issues, practical applications, and theoretical perspectives, this journal presents research essential to the needs of big data professionals, IT specialists, computer scientists, healthcare analysts, clinical practitioners, and administrators.

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All submissions and inquiries should be directed to the attention of:
Professor Fernando Martin-Sanchez, fem2008@med.cornell.edu
John Holmes, jholmes@mail.med.upenn.edu
Fernando Martin-Sanchez, PhD, is a Biomedical Informatics scientist with a career developed across the US, Spain and Australia. He was the CIO of the National Institute of Health Carlos III (Spain) from 1993-1998. In 1998 he became the Founding Director of its Department of Medical Bioinformatics. In February 2011 he was appointed Professor and Chair of Health Informatics at the University of Melbourne's Medical School and in 2013 became the inaugural Director of the University's Health and Biomedical Informatics Centre (HaBIC). In December of 2015 he started as a Faculty member with Weill Cornell Medicine, in New York. His research interests focus on the role of big data and informatics in precision medicine and participatory health. He is a Fellow of the American College of Medical Informatics (ACMI) and the Australasian College of Health Informatics (ACHI). He has served as Vice-President of the International Medical Informatics Association (IMIA), as Chair of the Scientific Program Committee for MEDINFO 2015 (Sao Paulo) and is currently the Chair of the IMIA Working Group on Data Mining and Big Data Analytics.

John H. Holmes is Professor of Medical Informatics in Epidemiology at the University of Pennsylvania Perelman School of Medicine. He is the Associate Director of the Penn Institute for Biomedical Informatics and is Chair of the Graduate Group in Epidemiology and Biostatistics. He has been recognized nationally and internationally for his work on developing and applying new approaches to mining epidemiologic surveillance data, as well as his efforts at furthering educational initiatives in biomedical informatics. Dr. Holmes' research interests are focused on several areas in medical informatics, including evolutionary computation and machine learning approaches to knowledge discovery in clinical databases (data mining), interoperable information systems infrastructures for epidemiologic surveillance, regulatory science as it applies to health information and information systems, clinical decision support systems, semantic analysis, shared decision making and patient-physician communication, and information systems user behavior. Dr. Holmes is a principal or co-investigator on projects funded by the National Cancer Institute, the National Library of Medicine, and the Agency for Healthcare Research and Quality, and he is the Penn principal Investigator of the NIH-funded Penn Center of Excellence in Prostate Cancer Disparities. Dr. Holmes is engaged with the Botswana-UPenn Partnership, assisting in building informatics education and clinical research capacity in Botswana. Dr. Holmes is an elected Fellow of the American College of Medical Informatics (ACMI) and the American College of Epidemiology.