About the Contributors

Mohamud Sheikh is a Senior Lecturer in International Health, Tropical and Infectious Diseases and Co-Director of Infectious Diseases Intelligence Programs at the School of Public Health and Community Medicine, University of New South Wales. In his nearly 23 years of experience in International Health - Tropical and Communicable diseases control, he has conducted various public health works internationally in developing and developed countries such as Kenya, Ethiopia, Somalia, Middle East and Australia respectively. He has been teaching Master of international public health courses for nearly 12 years thus drawing a wealth of knowledge in the field of global health. Dr Sheikh is an author and reviewer for international journals in the field of global health. He has also had numerous contributions to resource poor communities around the world through his charity and volunteer work, especially in Africa, Middle East, and Australia. He has contributed to the field of humanitarian and philanthropic work since the age of 8 and has recently launched his lifetime dream project – “Eradication of Preventable Blindness in Africa” – a remarkable humanitarian mission. He also heads two not for profit charitable organisations based in Australia and the Horn of Africa region.

Aziza Mahamoud is currently an epidemiologist at Sidra Medical and Research Center in Doha, Qatar. She has extensive knowledge and experience that span public health, epidemiology and systems science domains. Prior to joining Sidra, she led the urban health complex systems modelling projects at the Wellesley Institute, a Toronto based population health research and policy institute. She also held other research positions in academia and governmental organizations in Canada. Her research primarily focused on developing computational models of disease transmission, conducting surveillance studies, and developing disease prevention and control policies. She holds a Master’s degree in Public Health from the University of Saskatchewan in Saskatchewan, Canada and a BSc in the life sciences from the University of Waterloo in Waterloo, Canada. Her research interests include perinatal health, chronic disease prevention and control, health disparities, race/ethnicity and health, and the application of innovative systems science tools to design and evaluate effective policies.

Mowafa Househ is an Assistant Professor and former Research Director at the College of Public Health and Health Informatics, King Saud bin Abdulaziz University for Health Sciences, National Guard Health Affairs, Riyadh, Kingdom of Saudi Arabia. Dr. Househ is also an adjunct professor at the University Of Victoria, School of Health Information Science, BC, Canada and is the editor-in-chief of the Journal of Health Informatics in Developing Countries. Dr Househ’s primary research interests are on the use of information and communication technologies to empower patients and clinicians. His doctoral work focused on the empowerment of pharmacists, physicians, and academics in the use of collabora-
tive technologies to facilitate knowledge translation research. His current work revolves on empowering patients through the use of social media, mobile health, and personal health records. Dr Househ is a respected and published author within health informatics community. He has published in leading health informatics journals such as the *International Journal of Medical Informatics*, *The Yearbook of Medical Informatics*, and *Applied Clinical Informatics*.

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**Ahed Abugabah** is an Assistant professor of Information Systems at the American University in UAE. His areas of expertise are Enterprise Systems, User Performance and Information Systems (IS) models. His current research interests are in the areas of IS user studies, and IS in Healthcare. Dr Ahed taught and researched at Griffith University in Australia. Prior to working in academia, he had extensive experience in the Airlines Industry.

**Nada M. Alhawardi** has over 20 years of experience in physical therapy and healthcare management. She has a Master’s degree in Public Health and is currently the Education and Training Manager in Prince Sultan Center for Special Education Support Services in Riyadh, Saudi Arabia.

**Osama Alfarraj** is an Assistant professor of Information Systems at King Saud University school of Information and communication technology. Osama has a master degree and a PhD in information systems from Griffith University, Brisbane, Australia. His research interests include electronic commerce, M-government, and the eHealth systems.

**Lubna Al-Nasser** is currently a Doctoral Scholar at Columbia University, Colleges of Dental Medicine and Mailman’s School of Public health.

**Suliman Alomran** is a Health Informatics Lecturer, King Saud University, College of Medicine, Department of Medical Education, Medical Informatics and e-Learning Unit. Suliman holds a baccalaureate degree in Health Information Management from University of Kansas Medical Center and a master’s degree in Health Information Systems from the University of Pittsburgh. In addition, he is a teaching faculty at King Saud University in Riyadh. His primary areas of interests are health information systems, healthcare ontologies, telemedicine, and evaluation of electronic medical records.

**Majid Al-Salamah**, Dean, College of Public Health and Health Informatics (CPHHI), is devoted in setting a high standard of education and opening the doors of the College to highly committed and gifted students. Dr. Majid Al-Salamah is a graduate of the College of Medicine at King Saud University. He specialized in Emergency Medicine and completed his training in the University of Ottawa. He has pursued an education in Epidemiology and completed a research fellowship at the University of Ottawa, which consisted of intensive graduate courses in Epidemiology. Currently, Dr. Salamah serves as the Program Director of Emergency Medicine in King Abdulaziz Medical City since 2007, and the Saudi Board of Emergency Medicine since 2009. In 2012, he was appointed as an Associate Dean for Academic Affairs at the Collage of Applied Medical Sciences, and the Dean of CPHHI on November 2014.
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Wafa Alzahrani is currently a Quality Management Specialist at Saudi Cancer Registry in Saudi Health Council. She has extensive knowledge and experience that span Medical Laboratory Sciences, Quality Management, Public Health, and Epidemiology. Prior to joining Saudi Health Council, she worked as Medical Laboratory Technologist at Pathology & Laboratory Medicine in King Abdul-Aziz Medical City, Riyadh. Wafa received her bachelor’s degree in Laboratory Medical Sciences from King Saud University in Riyadh. She holds a Master’s Degree in Health Systems & Quality Management from College of Public Health and Health Informatics in King Saud Bin Abdul-Aziz University for Health Sciences, Riyadh.

Jasim Anwar is a medical doctor and applied public health specialist, having more than 10 years of working experience with World Health Organization in developing countries. His expertise is in project designing, implementation, evaluation, and application of public health interventions. His research interests include natural disasters, psychological trauma, reproductive health, mother and child health and health system strengthening. He presented his work in many countries and forums including Centers for Disease Control and Prevention USA, Australia, Egypt, Indonesia and South Africa. He designed and implemented many public health programs including cash incentives program to improve health seeking behaviours and increase facility based deliveries. He remained the lead in many emergency responses including, October 2005 Earthquake, IDP crises and 2009 floods in Pakistan. He did his Masters by research from the University of Sydney with high distinction. He was awarded number of scholarship including Australian Development Scholarship. Currently he is pursuing his PhD degree after awarded an international scholarship by the University of New South Wales in 2014.

Amin Bawazir joined King Saud Bin Abdulaziz University for Health Sciences in 2011 as an Assistant Professor in Public Health. He has worked in several roles prior to coming to Saudi Arabia among them the Associate Dean for Postgraduate and Research affairs at the Faculty of Medicine at Aden University and as an Associate Professor and Director of Epidemiology and Environmental Health at the College of Medicine and Health Sciences at Aden University. Dr. Bawazir education was formed as physician in Aden College of Medicine, Aden University when he was graduated in 1984 with MD in Medicine and Surgery and then after he has granted a postgraduate degree of DrPH Epidemiology from Cuba (1990) and his PhD degree from Liverpool School of Tropical Medicine, The University of Liverpool, UK in 2009.

Olga Buchel has a PhD in Library and Information Science from Western University, Canada. She specializes in information visualization, geovisualization, visual analytics, human information interaction, and sensemaking. Her dissertation was about visualization of Knowledge Organizational Systems on map-based visualizations. She currently works as a data analyst at Counting Opinions (SQUIRE),Ltd., a company that helps libraries manage statistical datasets, administer surveys, manage readings clubs, and that produces map-based library directories. In the past, she worked at the Alexandria Digital Library project ADEPT, where she was involved in the design of a digital earth prototype and metadata for georeferenced learning objects.
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Ashraf El-Metwally is a medical doctor with a PhD in Epidemiology and Biostatistics (University of Tampere, Finland). He joined the College of Public Health and Health Informatics, KSAU-HS in July 2011 as an assistant professor at the department of Epidemiology and Biostatistics, while holding an honorary lecturer position at the department of Public Health - University of Aberdeen in the UK. Dr. Ashraf has worked as an epidemiologist at the Rheumatism Foundation Hospital in Finland (2003-2005); lecturer in epidemiology at the University of Aberdeen, UK (2006-2008) and as a lecturer and course coordinator of health education at Sharjah Higher colleges (2009-2011). Dr. El-Metwally research interests are in the epidemiology of pain, musculoskeletal disorders and rheumatic diseases, with more than 35 published research papers and reports in international peer-reviewed journals. His international awards include the Young Investigator Award from the British Society of Rheumatology (2006), First Prize for The Best Submitted Paper and Presentation from the British Pain Society (2007). Dr El-metwally is a member of the editorial board and review committees of several international medical journals and was included in “Marquis Who’s Who in the world 2009” book of influential persons in their fields.

Siyat Moge Gure is a Public Health Practitioner, currently working with the Ministry of Health Kenya, as the head of department; Disease Prevention and Health Promotion in Garissa County. He has bachelor of Nursing from Dundee University (UK) and Master in Public Health (Health economics and Health Policy development) from University of Nairobi, (Kenya). He also attended and facilitated many short courses, workshops, seminars and conferences in a wide spectrum of health care delivery system. Mr Siyat has over 17 years’ experience in the areas of Public and Community health services having started as frontline health care worker in a District Hospital in 1997 then became District Primary health coordinator, and later raised to Provincial Coordinator in Expanded Program on Immunization and Reproductive Health. During this time, Mr Siyat oversaw the implementation of the Nomadic Clinic concept. Mr Siyat has a wealth of experience with National and International Non-Governmental Organizations. He worked with the World Health Organization on Polio eradication program in Ghana and Mercy Corps as Health and Nutrition Manager in Ethiopia. Siyat is an independent consultant in the field of Health and Nutrition as well as a part time lecturer on public health issues.

Muhiuddin Haider is a research associate professor at the University of Maryland School of Public Health’s Institute for Applied Environmental Health. Since 2009, he has been teaching undergraduate courses under the Public Health Science and Global Health Scholars Programs, while also teaching graduate level courses in the Global Health Certificate Program offered through the University of Maryland School of Public Health. In addition to teaching, Dr. Haider is currently a co-investigator in Project HEAL: Health through Early Awareness and Learning, an intervention to increase cancer screening in African American faith-based communities in Prince Georges County, Maryland. He is also the Principal Investigator on a study to assess the U.S. Public Health Service Commissioned Corps Officers’ value to public health.
**Fouad F. Jabri** serves as a senior lecturer of Epidemiology and Biostatistics at the College of Medicine, Alfaisal University. In addition, Mr. Jabri is also a committee member in the Master of Public Health program that is being established at Alfaisal University. Mr. Jabri is a licensed pharmacist in Saudi Arabia. His B.Sc. (Honours) in Pharmacy concentrated in Clinical & Hospital Pharmacy and M.P.H. (Honours) were earned at King Saud University and King Saud bin Abdulaziz University for Health Sciences, respectively. Mr. Jabri also holds a Post-Graduate Diploma in Epidemiology and Medical Statistics from Liverpool School of Tropical Medicine at UK. He has been awarded the ESME Certificate in Medical Education. As an experienced pharmacist holding a master degree in public health his major area of interest is surveillance of antimicrobial use and bacterial resistance. Other currently active research areas of interest include public health preparedness which is related to and supports the new MPH program at Alfaisal University.

**Darryl Jackson** is a water and sanitation engineer who consults and provides assistance and advice to many international organisations in Africa, Asia, and the Pacific regions. He currently lives and works in Kathmandu, Nepal.

**Amr Jamal** is a practicing consultant family physician, Dr. Amr Jamal has been an active promoter of medical informatics in Saudi Arabia. He currently serves as head of the medical informatics and e-Learning unit (MIELU) at the King Saud University (KSU), the founding chair of the Riyadh Club of Clinical Informatics (RCCI) and a founding member of the Saudi Society of Evidenced Based Medicine. He is an active member of the Saudi Association of Health Informatics (SAHI), American Medical Informatics Association (AMIA) and the International Medical Informatics Association (IMIA). Dr. Amr is also an adviser and trainer for the health-sciences content in the Saudi Digital Library (SDL), a national-level project, that aims to increase accessibility of digital information resources in the Arab world. Dr. Amr Jamal is a core faculty member at the King Saud University teaching clinical informatics, family medicine, research and ethics courses at the colleges of medicine and dentistry. He was nominated as “The Professor of the Year” in Family & Community Medicine by King Saud University medical students in 2012.

**Mohamed Khalifa** is a consultant of medical informatics at King Faisal Specialist Hospital and Research Center, Jeddah, Saudi Arabia. Dr. Khalifa works mainly on the utilization of health information resources in improving the performance of operational and strategic healthcare management. He has published many studies on improving healthcare performance using health informatics applications. Dr. Khalifa teaches health informatics and information management to both undergraduate as well as post graduate healthcare professionals, he works in the field of training healthcare professionals on using hospital information systems and health analytics. His main areas of research are; Hospital Information Systems and Electronic Medical Records Development, Implementation and Evaluation, Clinical Decision Support Systems, E-Health and Telemedicine. Dr. Khalifa got his qualifications from Ain Shams University, American University in Cairo, Egypt and Edinburgh University, United Kingdom. He is also a CPHIMS – Certified Professional in Healthcare Information Management Systems, United States.
Vivian Lin DrPH, University of California, Berkeley (focus: occupational health, epidemiology, health policy), MPH, University of California, Berkeley, BA, Yale University. Vivian Lin is the Chair of Public Health and was Head of the School of Public Health from 2000-2005 at La Trobe University in Australia. Since arriving in Australia in 1982, she has worked in NSW Health, Victorian Health Department and its successor, National Occupational Health and Safety Commission and Commonwealth Department of Health and Family Services. During this time, she has had responsibility for policy, planning, and program development across a wide range of health issues, including health promotion, ethnic health, Aboriginal health, aged care, health technology, pharmaceuticals, intergovernmental relations, regional planning, and health export. From 1997-2000, she was Executive Officer for the National Public Health Partnership. Professor Lin is presently on leave and based in Manila, as Director of Health Systems Division for the World Health Organization for the Western Pacific Region.

Theofani S. Makrinos received her Masters of Public Health Degree with a concentration in Global Health Promotion from The George Washington University. During her studies and after the completion of her degree, she worked as a staff member in a variety of capacities for the University and remained actively involved in academic research and in pursuing avenues for publishing articles relating to communications theory. For the last five years, she has worked as consultant and regional director for a private firm in the field of emergency management and preparedness. Later on, Ms. Makrinos worked at a technology distributions start-up company, where she focused on providing power saving solutions to enterprises. Currently, she is working in the field of hazard mitigation for a consulting company, where the firm has been hired to update the existing mitigation plans of four counties and their municipalities in order to meet federal standards.

Jessica McCormack has been working in the health industry for over ten years. She has a Bachelor of Nutrition and Dietetics from the University of Newcastle and a Masters of Public Health from the University of New South Wales. Jess is passionate about preventative and primary health care as well as Aboriginal Health. She has worked in a number of Aboriginal health centers throughout NSW and currently works at Bugalwena General Practice, an Indigenous specific practice in Northern NSW and for NSW Health.

Mutuku A. Mwanthi is an Associate Professor of Community/Public Health Sciences (Environmental & Occupational Health and Safety) at the University of Nairobi, Kenya where he has teaching responsibility. Prof Mwanthi holds a Ph.D. Community Health Sciences (Major, Environmental & Occupational Health) from School of Public Health, The University of Texas, Health Science Center at Houston, Texas, USA. He also holds a MSEH (MSC) Environmental Health from East Tennessee State University, Johnson City, Tennessee, USA as well as a BSc. in Biology with Minor in Chemistry, Washburn University of Topeka, Kansas. He has various publications on wide subjects in the field of public/environmental health.
About the Contributors

Oluwakemi Ola is a PhD candidate and research assistant in the department of Computer Science at Western University. Her previous degrees include a bachelor’s degree in Computer Engineering from Trine University, and a master’s degree in Computer Science from the University of Houston. Her current research focuses on the design of human-centric visualization tools to facilitate sense-making of public health data. This interdisciplinary research spans the areas of public health, health informatics, information visualization, visual analytics, and human-computer interaction. In 2011, she joined the faculty of Babcock University as a computer science lecturer. Currently, she guest lectures in the Schulich Interfaculty Program in Public Health at Western.

Abdi D. Osman Qualified with Doctor of Public Health (La Trobe University), Masters in Public Health and Tropical Medicine (James Cook University) and Bachelor of Nursing (Monash University). Abdi had various clinical and health administrative experiences in Kenya, Australia and the Kingdom of Saudi Arabia. He is currently a health administrator (Clinical Director) in the Kingdom of Saudi Arabia. He is also a visiting lecturer at Taiba University, School of Health Sciences in Medina, Saudi Arabia, a research associate with La Trobe University; College of Science, Engineering and Health; School of Public Health in Australia. His research interests are in public health with focus on water, sanitation and hygiene (WASH) in developing nations, health administration, quality and safety in acute health care with particular focus on emergency and critical care.

Patrick Rawstorne is a Senior Lecturer and Assistant Director of the Master of International Public Health (MIPH) program in the School of Public Health & Community Medicine, Faculty of Medicine, UNSW. Patrick is involved in teaching and convening courses in public health at UNSW, including: International Heath; The Global HIV Epidemic: Social Aspects and Impacts; and Advanced Social and Behavioural Epidemiology. His research interests have focused primarily on the HIV epidemic, initially in Australia and more recently in Asia and the Pacific including Sri Lanka, Indonesia, Timor-Leste, Cook Islands, Fiji, and Papua New Guinea. Most of Patrick’s HIV research has been based on behavioural surveys and biological surveillance for HIV to assess trends in risk practices, HIV testing and prevalence, as well as knowledge about transmission and stigmatizing attitudes towards people with HIV. Patrick is also involved in research that examines the underlying reasons for the vulnerability of some groups to HIV transmission and in estimating the size of key affected populations. Other research and public health interests include the use of innovative research methods such as respondent driven sampling (RDS); mental health; capacity development training in research methods; and global health issues more generally including health systems and Primary Health Care (PHC).

Priscilla Robinson PhD, MPH, MHSc(Phil). Dr. Robinson teaches and researches in the areas of public health, epidemiology, and health services administration at La Trobe University in Australia. She has a special interest and training in communicable disease control and public health emergency management and recovery. A particular interest of hers is in the relationship between the arts and public health. Dr Robinson is a general editor of the Australian and New Zealand Journal of Public Health, and an academic editor for the Australian Epidemiologist. She is on the editorial committee of the Journal of Global Peace and Security, and a board member of CONCERN Australia, a faith-based NGO. She is a professional member of Public Health Association of Australia and Australasian Epidemiology Association.
Nouf Al Saleem is a Quality Management Specialist in King Saud Medical City. She has experience in multiple healthcare organizations for around 19 years. In 1997, she graduated from college of Science in King Saud University (KSU) in field of biochemistry. In 2013 she received her masters degree in Health System and Quality Management from collage of Public Health and Informatics in King Saud bin Abdulaziz University for Health Sciences (KSAU-HS). She has conducted exploratory research in Evidence Based Management in Saudi Arabia to understand to what extent Saudi Healthcare Mangers understand and apply it as decision making approach. The research is under process for publication. Two papers have been published titled “Electronic Lab Information Exchange (ELIE) in Saudi Arabia” and “Challenges in building health surveillance systems in Saudi Arabia”.

Louis Sanzogni is an Assistant professor of Information Systems at Griffith University with over 25 years’ experience in both industry and academia. He works at Griffith University as a head of Department and as an active researcher. His areas of expertise are information technology research, IS diffusion and organizational intelligence technologies.

Madhurima Sarkar is a Senior Research Associate at the Center for Innovation in Pediatric Practice at The Research Institute at Nationwide Children’s Hospital and coordinates a number of large scale NIH projects. She graduated from Florida State University with a PhD in Health Communication in 2011. Her expertise is in adolescent research and her research focuses on health disparities and inequities, both within US and globally. She is also interested in research investigating the role of diffusion of innovations in preventive interventions, particularly factors associated with use of e-health services and online health information seeking behaviors in reducing health inequities.

Kamran Sedig is an associate professor in the Department of Computer Science and the Faculty of Information and Media Studies at the University of Western Ontario. He has been doing research in the area of human-centered interactive computing since 1993. He investigates the design of computer-based tools that help people perform information-intensive complex cognitive activities, such as learning, sensemaking, decision-making, data analysis, and problem solving. As such, his research and publications span a range of topics. In his research lab, he is doing research in areas such as the design of medical and health informatics tools, data and information visualization, visual analytics, human-information interaction, knowledge translation and mobilization, cognitive and learning technologies, and development of frameworks for the design of serious games.
**Stephanie Wrightman** is a science academic focusing on international health. She has completed a Bachelor of Medical Biotechnology, and completed a Master of International Public Health. Thereafter, she worked as an intern with the follow-up team with Uganda Village Project to evaluate the Healthy Villages Program in line with the Ministry of Health. Stephanie has volunteered in leadership positions with World Youth International & Australian League of Immigration Volunteers, and assisted with the Oxfam International Youth Partnerships program. She was involved in the coordination and delivery of MAA’s relief and development activities for internally displaced and refugees in Kenya during the 2011 Horn of Africa emergency. Inspired by her work experience in Kenya she presented her research at the International and Humanitarian Conference 2011 in Kuala Lumpur with Mercy Malaysia. She is currently working in the role of Program Specialist for Mission & Development at Catholic Mission (CM). In the last 3 years with CM she has been involved in program partnership development and program management visiting the Philippines, Timor Leste, India and Papua New Guinea. She is involved in the assessment of CM against Australian Government standards and program compliance. She envisions sharing her experience and ideas with the international community in hope to inspire others for further research and considerations to improve the health of individuals worldwide.

**Nasriah Zakaria** graduated in Biomedical Engineering (Cum Laude) from Rensselaer Polytechnic Institute, Troy, New York, USA (1997 & 2002) completing both her Bachelors and Masters degrees. Her PhD was in Information Science and Technology from Syracuse University, Syracuse, New York, USA (2006). She was a senior lecturer and program chairman of the information system group in the School of Computer Sciences at the Universiti Sains Malaysia. Currently, she is an Assistant Professor in the Medical Informatics and E-learning Unit (MIELU), Medical Education Department, College of Medicine at King Saud University, Riyadh. Her research interests are Information Privacy in Various contexts (Hospital Information Systems, Social Networking Sites, e-health, Anthropometric Survey), E-health developments (including m-health) and User Based Studies including Human Computer Interactions (usability and Sociability), IT Adoptions, User based studies for e-learning, and Information Literacy.