

International Workshop on Health Informatics for Low- and Middle-Income Countries

July 23–27 2018, Nairobi, Kenya

About the workshop

Cost

The total course fee is US \$2,100, which covers tuition, lodging, partial board (breakfast daily and lunch on days when the workshop is in session), and round-trip airport transfers. Prospective applicants are advised to seek funding from their home organizations or from national or international agencies.

Applicants who have requested funding should submit their complete application forms to Kenyatta University before the deadline. When funding is confirmed, the applicant should let Kenyatta University know as soon as possible.

Why the workshop is needed

According to the World Health Organization, digital health, also known as eHealth or health informatics, is the use of information and communication technologies (ICT) for health. In its broadest sense, eHealth is concerned with improving the flow of information, through electronic means, to support the delivery of health services and the management of health systems. It also helps to reduce inefficiencies in healthcare delivery, improve access, reduce costs, increase quality, and make medicine more personalized and precise. Over the past decade, adoption of health informatics has been growing steadily, especially in the low- and middle-income countries (LMICs). Governments, donors and implementing partners have played a significant role in the increased adoption of health informatics in its various forms. To sustain these initiatives however, there is need for skilled manpower that is aligned to digital health needs. On the contrary, the use of information technology in health has been growing faster than countries' ability to produce supportive manpower. This gap in skill poses a risk to the sustainability of health informatics investments in those countries.

This workshop is the result of careful analysis of market needs by the GEMNet-Health partners and MEASURE Evaluation. The course aims to equip participants with competencies that align with the growing health informatics needs for health programs.

Workshop objectives

The objective of this course is to equip participants with health informatics competencies, especially those related to health information systems. The course offers basic to mid-level skills delivered using adult learning approaches. By the end of the course, participants will have learned about important current health informatics topics and how these topics apply in their day-to-day work.

This hands-on and interactive training will cover the following broad areas:

- Overview of health informatics
- Process and quality improvement using health information technology
- Information systems for health
- Data and information systems interoperability
- Data and information privacy and security
- Design, modification, and evaluation of health information systems
- User-centered design.

Workshop topics

The course includes instruction on the following:

- Concepts: health informatics, medical informatics, public health informatics, etc.
- Health informatics development and health informatics literature

- Healthcare processes, process analysis, and mapping
- Medical decision making: principles, design, and implementation
- Medical ethics: patient rights and confidentiality
- Electronic/digital health information systems
- mHealth
- Telemedicine and information exchange
- Health data management and coding systems
- System architectures
- Health communication systems and health technology infrastructure
- Health informatics nomenclatures, vocabularies, terminologies, ontologies, & taxonomies
- Health information exchanges and interoperability
- Reengineering and management of change
- Principles for digital development
- Assessing the health ecosystem

Eligibility

This course is designed for middle- to advanced-level health information systems professionals involved in the implementation of systems to manage data for public health programs. The course provides intensive, hands-on training in health informatics from basics to emerging concepts as they apply to health information systems in low- and middle-income countries. This course is suitable for professionals with or without a prior background in health informatics but who are experienced in how health information systems function.

Faculty

Experts from MEASURE Evaluation, based at the University of North Carolina at Chapel Hill, USA; Kenyatta University; University of Ghana; and Public Health Foundation of India will teach the course.

Application procedure and deadlines

Those who wish to take part in the workshop should send the completed application forms and other application documents as soon as possible to: Mr. Johnson Mugo, of Kenyatta University School of Public Health, email: githinji.johnson@ku.ac.ke, and copy Dr. George Otieno, email: otieno.george@ku.ac.ke

Application materials should arrive at Kenyatta University **no later than 29 June 2018**.

Workshop information and application forms can be obtained at:

<http://www.ku.ac.ke/healthinformatics/> or

<https://www.measureevaluation.org/resources/events/international-workshop-on-health-informatics-for-low-and-middle-income-countries>

About the sponsors

Kenyatta University

Kenyatta University (KU) is a fully fledged Kenyan university through Kenya's Universities Act of 1985. The vision of the University is to become a dynamic, inclusive, and competitive centre of excellence in teaching, learning, research, and service to humanity. The University's mission is to provide quality education and training, promote scholarship, service, innovation, and creativity and inculcate moral values for sustainable individual and societal development. The university aspires to be sensitive and responsive to societal needs and recognizes that every person has the right to expand their knowledge. Thus, KU acknowledges the need for intensive and extensive research and training to address local, regional, and global issues. The university has 21 schools that host diverse and in-depth programs at undergraduate and

postgraduate levels that are responsive to market needs. For details about the university and its academic programs, visit the university website: www.ku.ac.ke

Kenyatta University School of Public Health

The Kenyatta University School of Public Health (KUSPH) was created in response to a need to train high-level public health workers, strengthen training of innovative and creative public health professionals and researchers, and improve community engagement. The school's vision is to become a regional and international centre for excellence in training, research, practice, and consultancy in public health. Its mission is to produce health workers who will promote health for all, and prevent disease through the empowerment of communities to control health-related risk factors. KUSPH has four departments: Health Management and Informatics, Community Health, Population and Reproductive Health, and Environmental and Occupational Health. The department of Health Management and Informatics offers programs for undergraduate and postgraduate degrees: a bachelor of science in health records and information management, a master of science in health information management, and a doctorate in health informatics. For details about the KUSPH, visit <http://publichealth.ku.ac.ke/>

MEASURE Evaluation

MEASURE Evaluation strengthens the capacity of developing countries to gather, interpret, and use data to improve health. MEASURE Evaluation creates tools and approaches for rigorous evaluations, which provide evidence to address health challenges and strengthen health information systems so countries can make better decisions and sustain good health outcomes. MEASURE Evaluation is a cooperative agreement awarded by the United States Agency for International Development (USAID) to the Carolina Population Center at the University of North Carolina at Chapel Hill and five partner organizations: ICF, John Snow Inc., Management Sciences for Health, Palladium, and Tulane University.

[\(https://www.measureevaluation.org/\)](https://www.measureevaluation.org/)

Global Evaluation and Monitoring Network for Health (GEMNet-Health)

GEMNet-Health aims to foster organizational growth, collaboration, and South-to-South support for monitoring and evaluation (M&E) of health programs globally. The member institutions of GEMNet-Health are the University of Pretoria (South Africa), Addis Ababa University (Ethiopia), Addis Continental Institute of Public Health (Ethiopia), Centre African d'Etudes Supérieures en Gestion (Senegal), El Instituto Nacional de Salud Pública, (Mexico), Mahidol University (Thailand), the University of Ghana, Public Health Foundation of India, and Kenyatta University (Kenya). MEASURE Evaluation serves as the Secretariat for GEMNet-Health.

<https://www.measureevaluation.org/resources/networks/gemnet-health>

Contact Information

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