



USAID
FROM THE AMERICAN PEOPLE

OneHealth
WORKFORCE

OHCEA
Championing One Health



One Health Central and Eastern Africa Network

OHCEA ONE HEALTH COURSE MODULES

TRAINING THE CURRENT AND FUTURE PUBLIC HEALTH WORKFORCE USING A ONE HEALTH APPROACH

Brief Overview

Over the past decade Africa and the world have faced severe public health threats, ranging from infectious disease outbreaks to environmental disruptions such as the Ebola outbreak in West Africa, to the devastating effects of Hurricane Matthew in Haiti. These all demonstrate how a geographically isolated public health incident can cause global disruption and underscores the economic and humanitarian impacts of such threats at the human domestic animal wildlife and environmental interface. **What type of training will provide public health professionals with the skills and competencies needed to combat such threats and thereby create a stronger sustainable public health workforce?** The One Health Central and Eastern African network (OHCEA) a network of 21 schools of public health, veterinary medicine and environmental sciences in East Central and West Africa has developed One Health core competencies and course modules that are key to delivering knowledge and skills to a multi-disciplinary workforce and building a framework on which One Health curricula can be designed and implemented. These course modules can be used for both in service and preservice as short courses or integrated into curricula for professionals who impact disease detection prevention and response. You are welcome to use these modules as needed.

Please email: OneHealthModules@ohcea.org or wbikaako@ohcea.org with any comments.

Workforce transformation using a One Health Approach: The modules are intended to:

- Create a framework for One Health curriculum
- Improve workforce capacity to prevent, detect and respond to threats posed by infectious diseases and zoonosis
- Generate a shift in countries workforce culture and training structure
- Enable working across sectors and disciplines for a stronger and more effective public health sector
- Allow universities to be key drivers of the future workforce as they forge partnerships and drive change
- Combine human health, animal health, infectious disease with principles of ecology and environmental sciences
- Be used at both pre-service and in-service levels in workshops, as full courses or integrated into course materials

List of Modules: The following is a list of the 16 modules developed

Soft skill modules

Technical Modules



- One Health Leadership Management
- Systems Thinking
- Collaboration and Partnership
- Communication
- Gender, One Health and Infectious Disease Management
- One Health Policy and Advocacy
- Behavior Change
- Culture, Beliefs, Values and Ethics

- One Health Principles and Concepts
- Infectious Disease Management
- Outbreak Investigation and Response
- Ecosystem Health
- Epidemiology
- Risk Analysis
- One Health Research

Course/ Module Developers

These 16 modules were developed by collaborative efforts of multiple disciplines and teams of people from seven different OHCEA partner countries with the support of two US university partners namely Tufts University and University of Minnesota. A team of fifty-five (55) people were engaged in the development of these modules. All the materials represent contribution by the faculty and leadership of the OHCEA network institutions and the technical and managerial support of the OHCEA Secretariat. The modules were built off previous One Health modules developed by SEAOHUN- network: <https://seahunonehealth.wordpress.com/ecosystem-health/> with addition of more Africa- specific materials, examples and case studies relevant and applicable to the region. Each module was reviewed by OHCEA network faculty including US university partners with technical expertise as well as partners with field experience that allows for OH application and appreciation of the local African context. Development of these training materials would not have been possible without the contribution of the following people:

Editors

Dr. Hellen Amuguni DVM, MA, PhD
Infectious Disease and Global Health
Cummings School of Veterinary Medicine
Tufts University, USA

Winnie Bikaako, BA(SS), MPAM
Head Training and Research
OHCEA Secretariat, Kampala, Uganda

Dr. Irene Naigaga BVM, Msc PhD
Regional Program Manager

Professor William Bazeyo MBChB, MMed(OM), PhD
Deputy Vice Chancellor Finance and Administration

The Module Developers and Reviewers were:

Dr. Richard Mugambe Makerere University SPH
Dr. Christine Mubumuza Makerere University SPH
Professor Anthony Mugisha Makerere University COVAB
Professor Elizabeth Kyewalabye Makerere University COVAB
Dr. Terence Odoch Makerere University COVAB
Dr. Lawrence Mugisha Makerere University COVAB
Juliana Bbuye Makerere University School of Education
Professor Peter Gatongi Moi University SPH
Professor James Mbaria University of Nairobi VET
Professor Andrew Thaiyah University of Nairobi VET
Dr. Charles Nkuranga University of Rwanda VET
Professor Mannaseh Nzayimanirah University of Rwanda SPH
Dr. Theoneste Ntakirutimana University of Rwanda Env. Sciences
Dr. Etienne Rugigana University of Rwanda SPH
Professor Hailu Degefu Jimma University VET
Professor Abebaw Asfaw Mekelle University VET
Dr. Fesahaye Alemseged Tesfamichael Jimma university SPH
Dr. Asfaw Yohannes Tekle Jimma University VET
Professor Justin Masumu University of Lubumbashi Vet
Dr. Yosseff Deneke Mekelle University SPH
Dr. Samuel Mamuya Mubimbili University SPH
Professor Emmanuel Batamuzi Sokoine University VET
Professor Donath Tarimo Mubimbili university SPH
Professor Mahangaiko University of Lubumbashi VET
Professor Brigitte Bagnol Tufts University
Professor Malangu Mposhy University of Lubumbashi VET
Professor Amuli Jiwe Insitutue demedical techniques, Kinshasa
Professor Mariano Lusakibanza University of Kinshasa Pharmacy
Dr Sarah Ssali, Makerere University Gender Studies
Richardson Mafigiri, Infectious Disease Specialist, Ministry of Health, Uganda
Elizabeth Alunguru, OHCEA Secretariat
Dr Juvenal Kagarama, OHCEA Secretariat

Dr. Hellen Amuguni Tufts University
Dr. Diafuka Saila Ngita Tufts University
Dr. Innocent Rwego University of Minnesota
Dr. Larissa Minicucci University of Minnesota
Dr. Japhret Kitaa University of Nairobi
Dr. Omer Njajou Universite de montagne
Dr. Jemimah Odumab University of Nairobi VET
Dr. Gaymary George Bakari Sokoine University VET
Agnes Yawe OHCEA Secretariat
Dr. Tsegabirhan Kifleyohannes Mekelle University VET
Timothy Wakabi OHCEA Secretariat
Dr. Irene Naigaga OHCEA Secretariat
Dr. Gilbert Kirui University of Nairobi VET
Jackline Sitienei Moi university SPH
Dr. Endale Balcha Jimma University SPH
Dr. Joanne Kisaka Makerere University SPH
Professor Nkiama Joel Konde University of Kinshasa SPH
Professor Justin Masumu University of Lubumbashi VET
Professor Kimpanga Diangs University of Kinshasa SPH
Professor Idi Ngona University of Lubumbashi VET
Dr. Peninah Nsamba Makerere University COVAB
Professor Kiyombo Mbela University of Kinshasa SPH
Professor Tona Lutete University of Kinshasa SPH
Winnie Bikaako OHCEA Secretariat
Niyati Shah, USAID Washington
Musa Sekammate Ministry of Health, Uganda
Dr. Patrick Ntantu, Public Health Expert
Dr Fred Monje, Field Epidemiologist
Dr Angella Musema, OHCEA Fellow
Milly Nattimba, OHCEA Secretariat

Contact information: For any inquiries related to these One Health Modules, please contact Ms Winnie Bikaako: email wbikaako@ohcea.org or OneHealthModules@OHCEA.org

Acknowledgement

This publication was made possible in part through the support provided by the United States Agency for International Development. The opinions expressed herein are those of the author(s) and do not necessarily reflect the views of the US Agency for International Development or the US Government. USAID reserves a royalty-free nonexclusive and irrevocable right to reproduce, publish, or otherwise use, and to authorize others to use the work for Government purposes



USAID
FROM THE AMERICAN PEOPLE

One Health
WORKFORCE

