



3rd Annual **AFRICA INTERDISCIPLINARY HEALTH CONFERENCE**

Advancing Universal Health Coverage
through Interdisciplinary Evidence-Based
Practice and Collaboration

19-21 AUGUST 2020



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Welcome from AfIHC Secretary General

I wish to welcome you, our participants from across the globe, to our 3rd annual Africa Interdisciplinary Health Conference (AfIHC). The theme for AfIHC 2020 is **Advancing Universal Health Coverage in Africa through Interdisciplinary Evidence-Based Practice and Collaboration**

Interdisciplinary collaboration is becoming the dominant model for understanding complex health issues across the globe. However, not much has been done in Africa to promote this collaboration among healthcare professionals. AfIHC is the first of its kind in the Africa sub-region, focusing on connecting health-related researchers, academics, students and practitioners. This conference is the most remarkable event that will bring together healthcare professionals from all disciplines including governmental, private, and bilateral organizations in Africa to deliberate on the future of interdisciplinary health research and collaborations in Africa.

The outbreak of the novel coronavirus (COVID-19) has presented us with the unprecedented opportunity to use an interdisciplinary approach to promote Universal Health Coverage and Technology in Africa. AfIHC 2020 is the ideal platform for us to discuss innovative ways to prevent or handle pandemics such as COVID-19 using an interdisciplinary approach. We are, therefore, welcoming you as you are part of creating history with us by attending AfIHC 2020.

We are grateful to our co-host, Africa Interprofessional Education Network (AfriPEN), who diligently worked with us to make AfIHC 2020 a success.

We would like to say a special thank you to Dr Elize Pietersen for her commitment and enormous contribution to the success of AfIHC 2020.

Best Wishes

Jerry John Nutor, PhD, RN
Secretary General

Welcome from AfrIPEN Chairperson

The world is going through unprecedented times which have stretched all our resources in unimaginable ways. The novel corona virus has exposed innate challenges within our education and healthcare systems. Such challenges include the perpetual underinvestment in healthcare and education systems; social disparities and inequalities; education systems that are not aligned with community needs; the poor integration of evidence in decision making; and a lack of preparedness of health systems for emergencies, to mention just a few.

At the same time, we have all embraced a new world order characterised by restrictions in movement and interaction. Our research priorities have eventually integrated questions on adjustments to this new world order, while still focusing on the attainment of the SDGs and in advancing universal health coverage. Looking into the future, how best do we collaboratively advance universal health coverage specifically in the African region, given the fact the COVID-19 virus is here to stay?

The third Africa Interdisciplinary Health Conference is aptly themed **“Advancing Universal Health Coverage in Africa through Interdisciplinary Evidence-Based Practice and Collaboration”**. This is the first AfIHC virtual conference and is held in collaboration with the Africa Interprofessional Education Network (AfrIPEN).

I would like to extend a warm welcome to all participants, panelists, and students to this virtual conference and a special thanks to the organising committee and sponsors for making this conference happen. I hope this conference will be a platform for high-level interactions and discussions reflecting interdisciplinary education, research, and practice within the African continent towards advancing universal health coverage.

Enjoy the conference

Champion N. Nyoni, PhD

Chairperson- Africa Interprofessional Education Network

Welcome from AfIHC Board of Governors

We are delighted to welcome you to our third annual Africa Interdisciplinary Health Conference (AfIHC 2020).

This year's theme **Advancing Universal Health Coverage in Africa through Interdisciplinary Evidence-Based Practice and Collaboration** is very important especially in these global unprecedented times we experience. Never before has it been as important as right now that we work together to advance health coverage for all. The accentuated need, during COVID-19, to deliberate and explore best practice evidence for delivery of interdisciplinary health care will continue.

During the AfIHC 2020 virtual conference you will have the opportunity to meet and exchange ideas with a global network of colleagues while engaging with the latest research and interdisciplinary projects of colleagues from Africa. We hope that our virtual conference will provide a tremendous opportunity for educators, clinicians, administrators, policymakers, researchers and specialist across a variety of disciplines to network and possibly foster collaborations.

Thank you for taking time to join your fellow conference participants virtually and share your experience and expertise. We trust you find your time is well spent, that old friendships could be renewed while also creating new connections.

On behalf of everyone associated with AfIHC, we welcome you to our virtual conference. We look forward to engaging with you to promote interdisciplinary education and collaboration.

Sincerely,

AfIHC Board of Governors

AfIHC Board of Governors

Elize Pietersen, PhD (Med), M.Soc.Sc (Psychiatric Nursing), Clinical health researcher and consultant, South Africa

Emmanuel Opong, PhD, Regional Director, Wash & Capacity Building Southern African Region, Mbabane, Eswatini

Geoffrey Anguyo, MD, Executive Director, Kigezi Health Care Foundation, Kabale, Uganda

Jamie C. Slaughter-Acey, PhD, MPH, Assistant Professor, Division of Epidemiology and Community Health, School of Public Health, University of Minnesota, Minneapolis, USA

Janet Gross, DNS, RN, Professor Emerita / Morehead State University, Morehead, USA / Volunteer Nurse Educator, Mother Patern College of Health Science / Peace Corps Response, Monrovia, Liberia

Jerry John Nutor, PhD, MS, RN, Secretary General, Africa Interdisciplinary Health Conference

Lydia Aziato, PhD, RN, Associate Professor / Dean, School of Nursing and Midwifery / Head, Department of Adult Health, University of Ghana, Accra, Ghana

Patience Doe, PhD, MPH, RN, Senior Lecturer / Acting Head, Public Health Department, School of Nursing, University of Cape Coast, Ghana

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Advancing Universal Health Coverage
through Interdisciplinary Evidence-Based
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Keynote speakers and panelists



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2020



Thursday Keynote speaker



Keynote speaker: Thursday, 20 August 2020
(09:30-10:00 GMT)

Advancing UHC in Africa through interdisciplinary
evidence-based practice and collaboration

Ambroise Wonkam MD (Yaoundé) DMedSc (Geneva) PhD (Cape Town)

Professor and Senior Medical Genetics Consultant
Division of Human Genetics, Department of Pathology and Member
of the Institute of Infectious Disease and Molecular Medicine (IDM),
Faculty of Health Sciences, University of Cape Town.



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Friday Keynote speaker



Keynote speaker: Friday, 21 August 2020
(09:30-10:00 GMT)

Advancing UHC in Africa through interdisciplinary
evidence-based practice and collaboration

Address Mauakowa Malata, MScN, PhD, FAAN

Professor and Vice Chancellor
Malawi University of Science and Technology, Malawi



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Wednesday Panelists

Panel: Session 1 - Wednesday, 19 August 2020 (9:00-11:00 GMT)

The COVID-19 situation and response strategies in Africa – juxtaposed against a global perspective



Linnie Golightly, MD
Associate Professor of Medicine,
Microbiology and Immunology,
Weill Cornell Medicine, USA



Freda Koomson, MHA
Senior Health Management
Associate, Yale University,
USA and Liberia



Githinji Gitahi, MBS
Global CEO Amref Health Africa, Kenya,
Co-Chair UHC2030 and
Board Member Africa CDC



**Jaime C. Slaughter-Acey,
PhD, MPH**
Assistant Professor,
University of Minnesota, USA



Collins Chimezie Akanno
Founder,
Diet234.com, Nigeria

Panel: Session 2 - Wednesday, 19 August 2020 (12:00-14:00 GMT)

Explore a COVID-19 platform for collaborative interprofessional education and practice (IPECP)
and interdisciplinary research by African countries



**Champion N. Nyoni, BSc (Hons) Nursing,
MSocSc (Nursing), MHPE, PhD**
Senior Lecturer (Units), School of Nursing, University
of the Free State, South Africa and Chairperson
of Africa Interprofessional Education (AfrIPEN)



Gerda Reitsma, PhD
Professor, North-West University,
South Africa and Secretariat and
Treasurer of Africa Interprofessional
Education (AfrIPEN)



Firdouza Waggie, MSc, PhD
Professor, University of the Western Cape,
South Africa and Vice-Chairperson of
Africa Interprofessional Education (AfrIPEN)



Shabir Moosa, MBChB, PhD
Professor, University of Witwatersrand,
South Africa and WONCA Africa
Region President



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Thursday Panelists

Panel: Session 2 - Thursday, 20 August 2020 (10:20-11:10 GMT)

Interdisciplinary education and training of healthcare workers in Africa to advance UHC optimally



Mariana Pietersen, PhD
Medical Sociologist,
Health Education and Research,
South Africa



**Champion N. Nyoni, BSc (Hons) Nursing,
MSocSc (Nursing), MHPE, PhD**
Senior Lecturer (Units), School of Nursing, University
of the Free State, South Africa and Chairperson
of Africa Interprofessional Education (AfrIPEN)



Geoffery Anguyo, MD
Founder and Executive Director,
Kigezi Healthcare Foundation,
Uganda

Panel: Session 3 - Thursday, 20 August 2020 (14:15-16:10 GMT)

Healthcare provider preparedness to manage COVID-19 in Africa: A case study of Ghana



Patience A. Afulani
MBChB, MPH, PhD
Assistant Professor,
University of California,
San Francisco, USA



Koku Awoonor-Williams
MD, MPH, MPP
Director of Policy, Planning,
Monitoring and Evaluation,
Ghana Health Service, Ghana



Raymond Aborigo
MPH, PhD
Research Fellow,
Navrongo Health Research
Centre, Ghana



Amos Laar
MPH, MA, PhD
Senior Lecturer,
University of Ghana,
Ghana



Hawa Malechi, MBChB
Gynaecologist and Obstetrician,
Tamale Teaching Hospital,
Ghana



Akua Gyamerah
MPH, DrPH
Postdoctoral Fellow,
University of California,
San Francisco, USA



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Friday Panelists

Panel: Session 2 - Friday, 21 August 2020 (10:20-11:20 GMT)

Nurse and midwives as interdisciplinary partners in UHC



Address Mauakowa Malata
MScN, PhD, FAAN
Professor and Vice Chancellor,
Malawi University of Science
and Technology, Malawi



Judy N. Khanyola
RCHN, BSN, MSc.
Chair, Center For Nursing and
Midwifery, University of Global
Health Equity, Rwanda



Robert Kaba Alhassan
PhD, RN
Lecturer and Acting Director of
International Program, University of
Health and Allied Sciences, Ghana



Edwin Beyan
MSNEd, BSc, RN
MSNEd Coordinator,
Mother Patern College of
Health Sciences, Liberia

Panel: Session 3 - Friday, 21 August 2020 (14:00-15:00 GMT)

Topic 1: Interdisciplinary response to emerging infectious disease in Africa

Topic 2: Interdisciplinary research framework for south-south and north-south research collaboration



Chukwudi Nnaji, MBBS, MPH, PhD(c)
Public Health Physician and Epidemiologist,
School of Public Health and Family Medicine,
University of Cape Town, South Africa



Emmanuel Opong, PhD
Regional Director, WASH and
Capacity Building, World Vision
International, Eswatini



Maria Openshaw, MS, CNM
Director of Midwifery, Global Action in Nursing,
University of California, San Francisco
Institute for Global Health Sciences, USA



Gerda Reitsma, PhD
Professor, North-West University, South Africa
and Secretariat and Treasurer of
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Full Program

Wednesday - 19 August 2020

COVID-19: Current & Future perspectives

08H55 – 09H00 GMT	Opening remarks – AfIHC Board of Governors Dr Elize Pietersen (South Africa)	
09H00 – 11H00 GMT	MODERATOR: Mr Dennis Penu (Netherlands) The COVID-19 situation and response strategies in Africa - juxtapose against a global perspective	PANEL DISCUSSION Prof Linnie M Golightly (USA) Prof Joachim Osur (Kenya) Dr Jaime Slaughter-Acey (USA) Mr Collins Akanno (Nigeria)
11H00 – 11H45 GMT	<ul style="list-style-type: none"> • Senegalese students invent robot for telemedicine • Senegal develops \$1 coronavirus testing kit and a 3D printed ventilator • Increasing oxygen access in Nigeria – for Covid-19 and beyond • Use of drones in Rwanda and Ghana • Telehealth and telemedicine – global and in Africa 	Discussion
11H45 – 12H00 GMT	BREAK (15 minutes)	
12H00 – 14H00 GMT	MODERATOR: Mr Dennis Penu (Netherlands) Explore a COVID-19 platform for collaborative interprofessional practice and collaborative practice (IPECP) and interdisciplinary research by African countries	PANEL DISCUSSION Dr Champion Nyoni (South Africa) Prof Firdouza Waggie (South Africa) Prof Gerda Reitsma (South Africa) Mr Gibson Masache (Malawi) Prof Shabir Moosa (South Africa)

Thursday - 20 August 2020

Interdisciplinary education & training of HCW in Africa to advance UHC optimally

09H15 – 09H30 GMT	OPENING AfiHC 2020 Secretary General, AfiHC: Dr. Jerry Nutor (USA) Chairperson AfriPEN: Dr Champion Nyoni (South Africa)	
09H30 – 10H15 GMT	MODERATOR: Prof Firdouza Waggie (South Africa) Africans Genomics Study: the Next Frontier of Global Genetic Medicine	KEYNOTE SPEAKER: Prof Ambroise Wonkam (South Africa and Cameroon)
10H20 – 11H50 GMT	MODERATOR: Prof Firdouza Waggie (South Africa) Interdisciplinary education and training of HCW in Africa to advance UHC optimally	PANEL DISCUSSION Dr Champion Nyoni (South Africa) Dr Mariana Pietersen (South Africa) Dr Geoffrey Anguyo (Uganda)
11H50 – 12H00 GMT	BREAK (10 minutes)	
12H00 – 13H45 GMT	MODERATOR: Prof Gerda Reitsma (South Africa)	POSTER PRESENTATIONS: HEALTH SYSTEMS
12H00 – 12H15	Top 15 country HIV and AIDS global ranking (1990-2020), outreach HIV testing to save lives	Discussion
12H20 – 12H35	Community-Based Health Planning and Service: basic package of services in Shai Osudoku District	Mr Leonard Abbam Anaman (Ghana)
12H40 – 12H55	Knowledge, attitude and health beliefs on cervical cancer screening in Ajumako – Eyan – Essiam District	Ms Charlotte Naa Sampson (Ghana)
13H00 – 13H15	Sanitation Practices on Students Health: A Case Study of Basic School Education in the Hohoe Municipality of Volta Region, Ghana	Mr Maxwell Seyram Kumah (Ghana)
13H20 – 13H40	What is interprofessional collaborative practice?	Discussion
13H45 – 14H00 GMT	BREAK (15 minutes)	

Thursday - 20 August 2020

14H00 – 15H30 GMT	MODERATOR: Dr Akua Gyamerah (USA) Healthcare providers preparedness to manage COVID-19 Africa: A case study of Ghana	PANEL DISCUSSION Dr. Patience Afulani (USA) Dr Koku Awoonor-Williams (Ghana) Dr Raymond Aborigo (Ghana) Dr Amos Laar (Ghana) Dr Hawa Malechi (Ghana)
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Friday - 21 August 2020

Nurses and midwives as interdisciplinary partners in UHC delivery

09H30 – 10H15 GMT	MODERATOR: Dr Champion Nyoni (South Africa) Advancing UHC in Africa through interdisciplinary evidence-based practice and collaboration	KEYNOTE SPEAKER: Prof Address Malata (Malawi)
10H20 – 11H20 GMT	MODERATOR: Dr Champion Nyoni (South Africa) Nurses and midwives as interdisciplinary partners in UHC delivery	PANEL DISCUSSION Prof Address Malata (Malawi) Dr Robert Kaba Alhassan (Ghana) Ms Judy Khanyola (Rwanda) Mr Edwin Beyan (Liberia)
11H20 – 11H30 GMT	BREAK (10 minutes)	
11H30 – 13H50 GMT	MODERATOR: Mr Precious Adade Duodo (United Kingdom)	ORAL PRESENTATIONS: NURSING CARE
11H30 – 11H50	Quality improvement strategies to optimize antenatal care across All Babies Count supported health centers in rural Rwanda	Mr Jules Cesar Munyabugingo (Rwanda)
11H55 – 12H15	Postpartum Depression, Maternal Self-efficacy and their Relationship with Maternal Role Competence Among Postpartum Women in Eswatini	Ms Lindelwa Portia Dlamini (Eswatini)
12H20 – 12H35	Experiences of Mothers with Preterm Babies on Support Services in Neonatal Intensive Care Unit	Mr Dominic Apedani (Ghana)
12H35 – 12H40 GMT	BREAK (5 minutes)	

Friday - 21 August 2020

12H40 – 13H00	Knowledge and Self-efficacy of Nurse-midwives regarding the Prevention and Management of Postpartum Haemorrhage in Eswatini	Mr Mduduzi Colani Shongwe (Eswatini)
13H05 – 13H25	Confidence among Midwifery Students in Providing Postnatal Care at Completion of Training.	Ms Mutinke Zulu (Zambia)
13H30 – 13H50	Universal coverage for maternal/child health services through bottom-up community engagement: cluster randomized trial in Ghana	Dr Robert Kaba Alhassan (Ghana)
13H50 – 14H00 GMT	BREAK (10 minutes)	

Interdisciplinary response to emerging infectious diseases in Africa; Interdisciplinary research frameworks for south-south and north-south research collaboration

14H00 – 15H00 GMT	MODERATOR: Dr. Joel Msafiri Francis (South Africa) Interdisciplinary response to emerging infectious diseases in Africa Interdisciplinary research frameworks for south-south and north-south research collaboration	PANEL DISCUSSION Dr Chukwudi Nnaji (Nigeria) Dr. Emmanuel Opong (Swaziland) Prof Gerda Reitsma (South Africa) Ms Maria Openshaw (USA)
15H00 – 16H10 GMT	MODERATOR: Dr Chukwudi Nnaji (Nigeria)	ORAL AND POSTER PRESENTATIONS: INFECTIOUS DISEASES
15H05 – 15H25	Health workers acceptability of symptom-based tuberculosis screening tool in the Greater Accra Region of Ghana	Ms Comfort Dede Tetteh (Ghana)
15H30 – 15H50	Prevalence and determinants of self-medication with antibiotics among residents of a rural community in Accra, Ghana	Dr. James-Paul Kretchy (Ghana)
15H55 – 16H10	Molecular characterization of putative drug resistant biomarkers in Plasmodium falciparum isolated from Ghanaian blood donors	Ms Comfort Dede Tetteh (Ghana)
16h10 – 16h20 GMT	CLOSING AfIHC 2020 Chairperson, AfriPEN: Dr Champion Nyoni (South Africa) Secretary General, AfIHC: Dr. Jerry Nutor (USA)	

Notes

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Join us for the 4th Annual AfIHC September, 22-24 2021

Conference Theme:

Transforming health through interdisciplinary
collaboration: Post COVID-19



Kigali Rwanda





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