

Advancing Universal Health Coverage in the Middle East and North Africa: the role of research

16-17 December 2020







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Workshop background

The World Health Organization estimates that at least half of the world's population still lack full coverage of essential health services. The global commitment towards achieving Universal Health Coverage (UHC) has been affirmed as part of the Sustainable Development Goals (SDGs). UHC means that all individuals and communities should have access to the full spectrum of essential and effective health services including promotion, prevention, treatment, rehabilitation and palliative care without suffering financial hardship.

UHC is a cornerstone and pillar for sustainable development and an important step towards social inclusion and equity. With only 10 years remaining to meet the SDG target (reference), many low-and middle- income countries are making progress towards UHC, with most - including those in the Middle East and North Africa - attempting to implement strategies to ensure their whole population has access to essential health services of high quality, and are saved from the financial risk of impoverishment.

Establishing UHC depends on strong health systems with intra and intersectoral collaboration and aspects including: improving infrastructure; training the healthcare workforce; increasing the number and quality of health facilities from local clinics to hospitals; promotion, prevention and community orientated care; appropriate sustainable financing and good governance; developing information systems; and ensuring the supply of medicines and medical technologies. However, a multitude of barriers and challenges exist which prevent the achievement of UHC, many of which are region specific, including contextual challenges inflicted by political instability, the undertaking of complex health reforms, and a spiralling burden of Non-Communicable Diseases (NCD's). Some challenges and barriers are shared however, such as those posed by the recent COVID-19 pandemic. Research is vital in developing the technology, systems and services needed to achieve UHC, and global support can help accelerate the attainment of this goal, through global and regional level research, information gathering, financial investment and technical assistance.

Current data also suggests that in many low- and middle-income countries, the quality of care provided is sub-optimal. Quality of care is defined by the degree to which health services for individuals and populations increase the likelihood of desired health outcomes, are person-centred and are in line with current health research knowledge. Furthermore, measuring and evaluating progress provides valuable insight for policymakers and is essential to improvement. Quality of care can be measured by seven elements of quality; effectiveness, safety, timeliness, equity, person-centeredness, care integration and efficiency. Many barriers exist which prevent health care workers, providers and policymakers from offering high quality health care, and research and evaluation is essential to determining opportunities and challenges, and assessing progress.

An opportunity exists for quality of care to be built into the foundation of UHC and into policies, processes and institutions as health systems are developed and services scaled up. Further research, including health policy and systems and implementation research, is necessary to understand these barriers, better and drive innovation, and develop new approaches to transform low-quality health systems into high-quality systems.

Workshop background

The main objective of this workshop is to reflect on the state of progress towards UHC in the Middle East and North Africa, and to explore the role of research in advancing the UHC agenda and improving the quality of care provided, and opportunities to revisit the research agenda in the region in order to address key challenges in implementing quality UHC. Within this, it will aim to discuss how researchers can engage with policymakers across sectors to support the development, implementation and monitoring of evidence informed policies, and provide a platform for countries in the region to share best practice examples which have led to improved health coverage or increased quality of care, and knowledge of what hasn't worked well.

To achieve this, our aims are as follows:

- Provide a platform for experts to revisit the UHC research agenda in the Middle East and North Africa.
- Bring together evidence from countries in the region on progress towards effective UHC and explore shared opportunities for research to support advancements in the UHC agenda
- Identify country specific and shared research challenges and barriers that undermine progress to UHC.
- Identify actions, tools and strategies that could support a reshaped research agenda and accelerate progress towards delivery of high quality care for all.
- Discuss research priorities and solutions to overcome the identified barriers at a country and/or regional level.
- Provide a platform for multi-disciplinary experts to discuss how to better impact
 policy uptake through the use of science and investment in research and research
 leadership.

To find out more about the Academy's GCRF policy workshops and to download previous workshop reports visit our website: https://acmedsci.ac.uk/gcrf

Steering committee

Co-chairs

Professor Dr Maha El-Rabbat , Cairo University, Egypt

Professor Mike English FMedSci, KEMRI-Wellcome Trust Research Programme,

UK/Kenya

Members

Professor Dr Lubna Al-Ansary, King Saud University, Saudi Arabia Dr Elsheikh Elsiddig Badr, National Qualifications Authority, UAE Professor Kalipso Chalkidou, Imperial College London, UK Professor Fadi El-Jardali, American University of Beirut, Lebanon Dr Awad Mataria, WHO-EMRO

Speakers

Dr Mohannad Al Nsour, Executive Director, EMPHNET (Eastern Mediterranean Public Health Network), Jordan

Dr Tasnim Atatrah, Health Emergency Coordinator for Central Asia, WHO

Professor Fadi El-Jardali, Professor of Health Policy and Systems, American University of Beirut, Lebanon; Director, Knowledge 2 Policy Centre; Director, WHO Collaborating Centre

Dr Abdul Ghaffar, Executive Director, Alliance for Health Policy and Systems Research

Dr Mouna Jameleddine, Head of Health Technology Assessment, INEAS (Tunisian Authority of Assessment and Accreditation in Healthcare), Tunisia

Dr Awad Mataria, Director of Universal Health Coverage/Health Systems, WHO-EMRO

Professor Salman Rawaf, Director of the WHO Collaborating Centre for Public Health Education and Training, Imperial College London, UK

Professor Richard Sullivan, Director, Institute for Cancer Policy; Co-director, Conflict and Health Research Group, Kings College London, UK

08:55-09:00	Participants join meeting
09:00-09:05	Welcome and introductions
	Professor Dame Anne Johnson PMedSci; Lord Leslie Turnberg of
	Cheadle FMedSci and; Dr Mahmoud A Sakr.
09:05-09:15	Aims, objectives and format of the Workshop
	Professor Mike English FMedSci and; Professor Dr Maha-El Rabbat,
	Workshop co-Chairs
09:15-10:10	Session 1: Keynote Presentations: UHC and quality of care in
	the Middle East and North Africa – setting the scene
	Chaired by: Professor Dr Maha El-Rabbat
	This session will aim to introduce the current situation for UHC globally
	and in the MENA region, including the current socio-economic and
	cultural context of healthcare, the role of UHC in achieving the Sustainable Development Goals (SDG's), the current outlook of UHC
	research across the region, and reflections upon experiences and
	pathways to success. It will provide context for the accompanying
	sessions and discussions over the course of the workshop.
	sessions and discussions ever the course of the workshop.
	Shaping the future agenda of Health System Strengthening
	towards UHC and Health Security: What Role for Quality
	Improvement (15 mins)
	Dr Awad Mataria, Director of UHC/Health Systems WHO-EMRO
	• SDGs and the Critical Role of UHC: Can we achieve the target
	by 2030? (15 mins)
	Professor Salman Rawaf, Director of the WHO Collaborating Centre for Public Health Education and Training, Imperial College London, UK
	Public Health Education and Training, Imperial College London, OK
	Current situation of UHC research in the MENA region and
	pathways to success (15 mins)
	Dr Abdul Ghaffar, Executive Director, Alliance for Health Policy and
	Systems Research
	Panel Q&A/ discussion (10 mins)
10.10 11.55	Breakout sessions
10:10-11:55	
10:10-10:25	Session Timings
10.10-10:25	Breakout group introductions Crown portionants will each have one minute to cover the following:
	Group participants will each have one minute to cover the following:
	1. Name
	2. Affiliation
	3. Interest in UHC

10:25-11:55 Breakout discussion: Understanding UHC and quality of care research in the Middle East and North Africa and addressing challenges and barriers to achieving high quality UHC through research

> Building on the plenary discussion, participants will split into breakout groups to focus on a specific element of UHC. Participants will be asked to: discuss the research landscape in the Middle East and North Africa in these areas; highlight shared challenges and barriers in achieving evidence-based, quality UHC, particularly in humanitarian contexts; share evidence and examples from countries in the region and consider supportive activities and strategies towards a reshaped research agenda, which could help accelerate progress towards effective, quality health systems; and identify future opportunities and priorities for research and policy to implement and scale-up activities, and ensure evidence is translated into practice.

11:55-12:00

Summary and presentation development

At the end of this session, participants will agree on the key messages to be included in a 15-minute PowerPoint presentation which summarises the discussions taking place throughout the day. The presentation will be finalized by the group chair and a facilitator following the meeting, ready to give on Day Two. The group will have nominated a presenter to deliver this.

Breakout session content

10:25-11:55

Group 1 - Models of Care: Advancing access and quality through improved models of care

Chaired by Dr Elsheikh Badr, Policy Development Expert, National Qualifications Authority, UAE

Exploring, through the lens of research capacity, how access to and quality of essential health services could be advanced through improved models and innovations of care, considering contextual challenges of defining and implementing coverage in the region, in particular aspects of promotion, prevention and treatment, and how the research agenda in the region could be advanced to address identified challenges and priorities.

Questions to address:

- 1. What is the current state of UHC and quality of care research in this area across the region, and what does existing research say about barriers and challenges to achieving effective, high-quality UHC?
- 2. Are there further barriers to address, including those specific to humanitarian contexts in the region and the process of designing, prioritizing and integrating health benefit packages? What challenges has the COVID-19 pandemic highlighted for UHC and quality of care research?
- 3. Are there any research success stories or learnings related to strengthening models of care in your country? If so, what are
- 4. What are the research priorities for models of care, particularly in settings of extreme adversity (including COVID19), that are needed to improve integration and contextualisation of essential services, and support evidence informed policies to achieve effective coverage?

10:25-11:55 5. What research questions around models of care need to be asked to support the UHC agenda and inform progress and what approaches, methodologies or strategies are required? Are there shared opportunities to build research capacity in the region to put these into practice?

10:25-11:55

Group 2 - Strengthening the measurement and performance of quality-adjusted UHC packages

Chaired by: Professor Mondher Letaief, Regional Adviser on Quality and Patient Safety, WHO-EMRO

Directing attention towards evaluating the WHO monitoring framework and exploring the challenges of measurement linked to encompassing quality, particularly in humanitarian settings.

Questions to address:

- 1. What is the current state of UHC and quality of care research in this area across the region, and what does existing research say about barriers and challenges to achieving effective, high-quality
- 2. Are there further shared barriers to address, particularly related to the specific humanitarian contexts in the region? What challenges has the COVID-19 pandemic highlighted for UHC and quality of care research in the Middle East and North Africa?
- 3. What are the research priorities for Quality and Safety in settings of extreme adversity (including COVID19), that are needed to support evidence informed policies for the overall purpose of better embedding quality and safety within the UHC agenda?
- 4. How can research on Quality and Safety in Fragile Conflict affected and Vulnerable settings can support the UHC agenda? Are there any research success stories or learnings related to strengthening this area in your country? If so, what are they?

10:25-11:55

Group 3 –Supporting evidence-based knowledge translation for

Chaired by: Professor Lubna Al-Ansary, Professor, Dept. of Family & Community Medicine, King Saud University

To explore the role of research in mapping facilitators and barriers to effective Knowledge translation and in suggesting mechanisms, strategies and policies for realizing UHC in the MENA region with special emphasis on fragile and conflict-affected states and countries.

Questions to address:

- How is research and data evidence currently generated, updated and prioritised in relation to healthcare decision- and policymaking? What does this say about existing challenges and barriers to UHC?
- How evidence is currently used to inform UHC policies implementation and measurement in the region? Are there further shared barriers to address, particularly considering humanitarian and fragile contexts? Are there any research success stories?

10:25-11:55 3. How can the UHC research agenda be advanced across a broad range of related issues (e.g. health workforce, financing, management, information, supply chains, etc.)? 4. How can the academic community better advocate and present its views to influence policy, improve links and address knowledge gaps; thereby ensuring that researchers are posing questions that are both required and implementable by policy makers? What is the role of NGOs and other stakeholders in supporting the generation and implementation of UHC-related research generation and delivery of UHC? 10:25-11:55 **Breakout Session Outcome** By the end of this session, participants should have an understanding of: the 'state of play' for UHC research (including quality of care) in the region; barriers and challenges to achieving effective UHC and quality of care research specific to the context of the region; best practice examples and shared learnings; and mechanisms to advance the UHC research agenda to support implementation, scale-up and monitoring of evidence-based UHC in future. This includes priority areas for research and policy-activity, opportunities for multi-sectoral collaboration and resource requirements to build research capacity in supporting UHC efforts. Participants should each aim to have at least three examples of common barriers and challenges, and any successes or learnings that can be shared. By the end of this session, each group will have contributed to a 15minute PowerPoint presentation ready to deliver on Day two. The group will have nominated a presenter to give this, with support from the other members.

12:00-12:05

Daily wrap up
Workshop Co-chairs

Day Two: Strengthening Universal Health Coverage research in the Middle East and North Africa and incorporating quality of care

08:55-09:00	Participants join meeting
	Welcome and introductions
07.00 07.00	Professor Dr Maha-El Rabbat; Professor Mike English FMedSci,
	Workshop co-Chairs
09:05-10:10	Presentation session - Research into intervention: Examples of
	research informing UHC in the MENA region
	Session Chair: Professor Mike English FMedSci, Workshop co-chair
	Panellists will give short talks on examples of research which has
	informed UHC interventions in the MENA region. Can include examples
	of research informing policy, digital solutions, improved research
	methodologies, building research capacity and networks.
	linethodologies, building research supacity and networks.
	Speakers (10 minute presentations):
	• Dr Mouna Jameleddine, Head of the Health Technology
	Assessment department, Tunisian Authority of Assessment and
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	Accreditation in Healthcare (TINS), Tunisia
	HTA for technology access decisions: How to support
	development of benefit packages and procurement process?
	• Professor Richard Sullivan - Professor of cancer and global health,
	King's College London, UK
	NCD's and outcomes in the Middle East with a focus on health in
	conflict
	• Dr. Mohanned Al-Nsour, Executive Director, Eastern
	Mediterranean Public Health Network (EMPHNET)
	Advancing UHC in the Middle East and North Africa: the role of
	research
	• Dr Tasnim Atatrah, WHO Health Emergency Coordinator, Central
	Asia; Policy Fellow, Center for Science and Policy, University of
	Cambridge
	Building bridges of trust and partnership to inform practical
	interventions: building capacities and advancing UHC
	Professor Fadi El-Jardali, Professor of Health Policy & Systems,
	Director of the WHO Collaborating Center for Evidence-Informed Policy
	and Practice, American University of Beirut (AUB), Lebanon
	Knowledge to policy approaches, outputs and impact;
	mentorship program, hubs, evidence synthesis, mapped
	1
	resources and networks
	Q&A/panel discussion (15 mins)
	Carry pariet discussion (15 mins)

Day Two: Strengthening Universal Health Coverage research in the Middle East and North Africa and incorporating quality of care

10:10-10:55

Session 5: Breakout Group Presentations

Session Chair: Professor Dr Maha El-Rabbat

During this session, a representative of each breakout group will give a presentation on the key messages emerging from the discussions on Day one, including the priorities and prerequisites identified for impactful UHC research in MENA Region.

Speakers:

Breakout Group 1: Models of Care: Advancing access and quality through improved models of care (10 mins)

5 min clarifications

Breakout Group 2: Strengthening the measurement and performance of quality-adjusted UHC packages (10 mins) 5 min clarifications

Breakout Group 3: Supporting evidence-based knowledge translation (KT) for quality UHC (10 mins)

5 min clarifications

10:55-11:25

Group Discussion: Next steps and actions for research (30 mins)

Session Chair: Professor Dr Maha El-Rabbat

Following the morning's presentations, participants will have the opportunity to discuss all of the evidence, challenges and opportunities highlighted, including priorities and next steps. This includes:

- Actions achievable in the short term (3-12 months) to help remobilize and scale-up UHC research efforts in the MENA region and future priorities
- Actions achievable in the longer term (1-3 years)
- Multi-sectoral collaboration opportunities locally, regionally and internationally to put these actions into practice
- Mechanisms to improve policy uptake of research (including key policy-relevant questions and potential priorities for policy) to ensure implementation of effective, evidence-based, accountable and quality UHC

Session Outcome

The output from this session will be up to seven common research areas to take forwards to achieve effective, evidence-based UHC in the Middle East and North Africa, along with the introduction of quality of care into this agenda. These will be jointly owned by all workshop participants along with agreement that they will be actioned upon their return to their home country.

11:25-11:30

Conclusions and wrap up

Workshop co-chairs

Co-chair biographies

Professor Dr Maha El-Rabbat

Professor of Public Health, Cairo University, Egypt



Biography

Professor Dr. Maha El Rabbat is a former Minister of Health and Population of Egypt, Professor of Public Health at Cairo University and Executive Director of the Middle East and North Africa Health Policy Forum. On March 2020, She has been appointed as WHO DG special envoy on COVID 19.

Through her academic and technical work, she has accumulated more than 30 years of strategic leadership, policy, academic, advocacy and operational expertise, working closely with national, regional, and international organizations as a public health expert on a wide range of health issues and public health priorities in various contexts, such as deprived areas and among vulnerable groups.

She has extensive experience in conducting system-wide assessments and reform in response to emerging needs and has worked on strengthening health systems and responses to emerging needs and human development in the region, particularly in middle and lower income countries, through evidence-based policy, knowledge exchange and networking.

Co-chair biographies

Professor Mike English FMedSci

Professor of International Child Health, KEMRI-Wellcome Trust Research Programme, UK/Kenya



Biography

Mike trained as a General Paediatrician in the UK and has been a faculty member of the University of Oxford since 1998, becoming a full Professor of International Child Health in 2010. He has however, lived and worked in Kenya for over 20 years supported by a series of Wellcome Trust research fellowships. In Kenya he works as part of the Kenya Medical Research Institute (KEMRI) - Wellcome Trust Research Programme from a base in Nairobi. He works in collaboration with Kenya's Ministry of Health, the University of Nairobi and many other Kenyan and international partners and has supervised 15 African students to the conclusion of their PhDs. He initially established a Child and Newborn Health research group in Kenya but this evolved to become the Health Services Unit which tackles both clinical and health systems issues affecting newborns and children. Mike's work has involved developing national, evidence-based guidelines for care of children and newborns in Kenya since 2005 (now in a 4th Edition) and the linked ETAT+ skills training course, both now used in many LMIC. His research team uses a range of methodologies spanning statistical modeling to ethnography aimed primarily at improving rural hospital care for children and newborns. In 2013 he established the Kenyan Clinical Information Network as a form of Learning Health System to improve quality of care, foster implementation research and service evaluation at scale and support large scale intervention studies. This network now includes 20 hospitals as partners. Mike also leads the Oxford Health Systems Research Collaboration (OHSCAR) that employs organizational research methods to understand complex systems and explore how digital innovations might be used to transform health service delivery.

Professor Dr Lubna Al-Ansary

Professor of Family Medicine, King Saud University, Saudi Arabia



Biography

MBBS, MSc, MRCGP, FRCGP

- Professor, Family Medicine, Dept of Family and Community Medicine, College of Medicine, King Saud University, Riyadh, Saudi Arabia.
- Consultant Family Physician and Chair, Guidelines Development Committee, King Saud University Medical City (KSUMC), Riyadh, Saudi Arabia.
- Member, Advisory Committee for Health Research, WHO-EMRO (2019 present).
- Member, MENA Health Policy Forum (2016 present)

Previously-held positions:

- Assistant Director General for Health Metrics and Measurement, World Health Organization, Geneva, Switzerland (Nov 2017 April 2019).
- Secretary General, National Population Committee, Ministry of Economy and Planning, Saudi Arabia (May 2017 – Oct 2017).
- Member, Al-Shura (Consultative) Council which is the Appointed Parliament in Saudi Arabia (Jan 2013 Nov 2016).
- Holder of Bahamdan Research Chair for Evidence-Based Healthcare and Knowledge Translation, King Said University, Riyadh, Saudi Arabia (2008 2018).

Dr Elsheikh Elsiddig Badr

Policy Development Expert, National Qualifications Authority; Secretary General, Sudan Medical Specialization Board, Sudan



Biography

Dr Elsheikh Badr is a public health physician and a health workforce consultant and strategist with over 20 years' service in senior health systems and health workforce positions in Sudan and beyond. Dr Badr was the president of the Academy of Health sciences, a large decentralized health professions education institution before serving as former Secretary General for the Sudan Medical Specialization Board, the prime postgraduate medical education body in the country. Dr Badr has been widely involved in national, regional, and global movement and initiatives on health workforce development. He served as WHO consultant several times and produced reports on health workforce strategies, organizational development, and educational systems. He also published across health workforce development issues including migration. Dr Badr recently joined the National Qualifications Authority in the UAE as advisor and policy expert working on the development of postgraduate medical education capacity.

Professor Kalipso Chalkidou

Director of Global Health Policy, Imperial College London,



Biography

Kalipso Chalkidou is the Director of Global Health Policy and a Senior Fellow at the Center for Global Development. Previously, she was the Director of Global Health and Development Group at the Institute of Global Health Innovation, Imperial College London, helping governments build technical and institutional capacity for improving the value for money of their healthcare investment. She is interested in how local information, local expertise, and local institutions can drive scientific and legitimate healthcare resource allocation decisions whilst improving patient outcomes.

She has been involved in the Chinese rural health reform and also in national health reform projects in the USA, India, Colombia, Turkey and the Middle East, working with the World Bank, PAHO, DFID and the Inter-American Development Bank as well as national governments. Between 2008 and 2016 she founded and ran NICE International, a non-profit group within the UK's National Institute for Health and Care Excellence (NICE).

Professor Fadi El-Jardali

Professor of Health Policy and Systems, American University of Beirut, Lebanon; Director, Knowledge 2 Policy Centre; Director, WHO Collaborating Centre



Biography

Professor Fadi El-Jardali (PhD, MPH) is a recognized senior expert with extensive international and regional experience and multidisciplinary background in health policy, systems and management. He held several senior management and policy positions in public and private sector. He is also a Professor of Health Systems and Policy, Chair of the Health Management and Policy Department, Founder & Director of the Knowledge to Policy (K2P) Center; Director of the World Health Organization (WHO) Collaborating Center for Evidence-Informed Policy and Practice; Co-Director of the Center for Systematic Reviews in Health Policy and Systems Research (SPARK); and co-lead for the Global Evidence Synthesis Initiative (GESI) Secretariat at the American University of Beirut. He is part-time Professor at McMaster University in Canada. He is also the Co-Editor in Chief for Health Research, Policy and Systems (HARPS) Journal. He has worked and held senior positions with policy analysis related organizations such as the Ontario Ministry of Health and Long-Term Care (as Hospital Consultant), Federal department of health / Health Canada (as Senior Policy Advisor) and the Health Council of Canada (as Health Economist and Program Manager). He was also a hospital CEO.

Dr. El-Jardali is a recipient of the Global Health Leadership Award and was elected twice to the Board of Health Systems Global Society. He is a recipient of the Fellowship on Evidence Informed Policy from the Alliance for Health Policy and Systems Research. He is the founding member of the MENA Health Policy Forum. He is a member of the Global Steering Committee for the WHO Evidence-Informed Policy Network (EVIPNet). Currently he is the co-Chair for the Program Working Group (PWG) of the Global Health Systems Research Symposium (HSR) 2020. He currently sits on several strategic committees within the World Health Organization (WHO). He led and directed several multi-country initiatives and projects in several countries including in the East Mediterranean, Asia and Africa. He has published extensively (more than 100) in international peer review and impact factor journals in addition to book, book chapters, and knowledge translation products.

He has a master of Public Health and PhD. in Public Policy from Carleton University in Canada

Dr Awad Mataria

Director, Universal Health Coverage, WHO-EMRO



Biography

Dr Awad Mataria is a Health Economist working at the World Health Organization, Regional Office for the Eastern Mediterranean. He is a pharmacist by training and has a Masters in Health System Analysis from the Université de Rennes I – Rennes/France, and a Ph.D. in Health Economics from the Université de la Méditerranée – Marseille/France. He also did part of his training at the Université de Lyon I – Lyon/France, and at the National School of Public Health – Rennes/France. Dr. Mataria's areas of expertise cover research in economic evaluation of health care interventions (cost-effectiveness analysis, cost-utility analysis and cost-benefit analyses); using economics in health care priority setting, financing and organization of health care systems; measuring the benefits of health care mainly using stated preferences techniques; and National Health Accounts. He has presented in several regional and international conferences and has published his work in various reputed Journals of high impact: e.g., Journal of Health Economics, Health Economics, The Lancet, Health Policy, European Journal of Health Economics, Social Science & Medicine, Applied Health Economics and Health Policy, Expert Review of Pharmacoeconomics & Outcomes Research, and Pharmacoepidemiology & Drug Safety

Academy Representation

Professor Dame Anne Johnson PMedSci

President, Academy of Medical Sciences, UK



Biography

Dame Anne Johnson is Professor of Infectious Disease Epidemiology at University College London. After training in medicine in Cambridge and Newcastle Universities, she specialised in Epidemiology and Public Health. Her career has focussed on research into the epidemiology and prevention of HIV and sexually transmitted infections as well as other infections such as influenza, Ebola, and antimicrobial resistance.

She co-directed the Medical Research Council, UK Centre for Co-ordinating Epidemiological Studies of HIV from 1985 until 1999. She was principal investigator on the 3 decennial National Surveys of Sexual Attitudes and Lifestyles (Natsal). She is an investigator on the UK i-sense programme, studying point-of-care diagnostics and digital pathways for infectious disease detection.

She co-founded UCL's Institute for Global Health and has advised many national and international science organisations. She chaired the UK Academy of Medical Sciences (AMS) Working Group on Improving the Health of the Public by 2040 and is a former Governor of the Wellcome Trust. She was previously Vice-President International and is currently President of the AMS.

Lord Turnberg of Cheadle FMedSci

Fellow, Academy of Medical Sciences and Daniel Turnberg Memorial Fund founder, UK



Biography

Leslie Turnberg was Professor of Medicine at the University of Manchester from 1973 to 1997, and consultant gastroenterologist at Hope Hospital, Salford and Dean of the Faculty of Medicine from 1986 to 1989. He was President of the Royal College of Physicians (1992 to 1997) and Chairman of the Academy of Medical Royal Colleges (1994 to 1996). He was President of the Medical Protection Society (1997 to 2007) and Chair of the Board of the National Centre for Replacement, Reduction and Refinement of Research in Animals (2004 to 2007). He was Vice President of the Academy of Medical Sciences (1998 to 2004) and served on the House of Lords Select Committee on Science and Technology (2001 to 2005).

Lord Turnberg is Chair of the Daniel Turnberg Memorial Fund and Travel Fellowship Scheme Selection Panel. He is a Trustee of The Wolfson Foundation and a number of other charities. He was knighted in 1994 and raised to a Peerage in 2000.

ASRT Representation

Dr Mahmoud A Sakr

President, Academy of Scientific Research and Technology, Egypt



Biography

Mahmoud M. Sakr, President of the Academy of Scientific Research and Technology (ASRT) since April2014. He is working actively on restructuring of ASRT with great focus on science, technology and innovation (STI) indicators and policies, benchmarking of national research institutions, empowering of young researchers, science and society, establishment of national research networks, innovation clusters, knowledge and technological alliances (PPP),, establishment of technological incubators, technology transfer and localization, and deepening of local manufacturing. He supervised the preparation and application of several technological roadmaps and strategic studies, and deeply involved in preparation of Egypt STI strategy 2030.

Sakr had several National Positions such as Acting President of ASRT (Sept.–April, 2014) and Vice President of the Academy (Dec. 2009 – Jun. 2012), Executive Director of Science and Technology Development Fund (June 2012 - March 2014). During his tenure as ED STDF, he succeeded to establish joint fund with South Korea, Jordan, UK and Russia and make radical changes in STDF funding mechanisms through establishment of several programs, namely Incubation, National Challenges, Short Term Fellowship, Center of Scientific Excellences, Demand DrivenFund and Target Calls.

In addition to being Head of Genetic Engineering & Biotechnology Division (Equivalent to Faculty) of the National Research Center (Nov 2008-Dec 2009), Sakr was the Co-founder & Director of Center of Excellence for Advanced Sciences (Nobel project) in the National Research Center (April 2006- Dec 2009), he was also the Founder & Head of two research groups at National Research Center namely, Plant Molecular Genetics and Plant transformation research Groups. Recently he launched a national program named Wealth of Egypt. The aim of the program is the collect, characterize, preserve and protect national plant genetic recourses using up to date technology (DNA Barcoding).

He had several International Scientific Positions as he was the Secretary General of Arab Biotechnology Association, Federation of Arab Scientific Research Councils (FASRC) since 2009, Editor-in-Chief, Journal of Genetic Engineering and Biotechnology (Elsevier) since 2010, Editor-in-Chief, Journal of Biotechnology Research since 2009, Coordinator of Inter-Islamic Network of Genetic Engineering & Biotechnology (COMSTECH), Coordinator of Agricultural Biotechnology Network, COMSATS (2008-2011), took an active part of the Regional executive committee of Middle East Science Fund (2008-2011) of Jordan and member of BOD of Arab German Young Academy (AGYA) since it is establishment. Sakr is also member in the Board of Trustees (BOT) of Egypt-Japan University (E-Just), Zewail City and Technology, Innovation and Entrepreneurship Center (TIEC), and member of several universities and research centers councils and supreme council of universities. He is a member of International committee for the selection of E-JUST president.

He received the State prize for scientific encouragement in Advanced Biotechnology (1999), National Research Center prize for scientific Encouragement in Biology (1998), and National Research Center prize for scientific Excellence in Biotechnology (2009). Prof. Sakr was born on 4 April 1965, got his PhD in Plant Biotechnology in 1995, professorship in plant biotechnology in 2006.

Dr Mohannad Al Nsour

Executive Director, EMPHNET (Eastern Mediterranean Public Health Network), Jordan



Biography

Dr. Mohannad Al-Nsour is an internationally recognized expert in field epidemiology, operational research, and public health systems. Dr. Al-Nsour assumed several positions such as a notable researcher, advisor, and director during his path career. He also served as a consultant on several assignments with the US Centers for Disease Control and Prevention, the World Health Organization and the American University of Beirut. Dr. Al-Nsour has been leading the Eastern Mediterranean Public Health Network (EMPHNET) since 2009, by providing strategic assistance and operational solutions, and guiding the enrichment of Field Epidemiology Training Programs (FETPs) and public health initiatives in the region. Under Dr. Al-Nsour's leadership, EMPHNET emerged as a prominent collaborative platform to serve the region and support national efforts to promote public health policies, applied epidemiology, surveillance, International Health Regulations (IHR), resource mobilization, and public health program development among others. Dr. Al-Nsour is a lecturer and speaker at regional and international levels covering public health topics such as leadership, field epidemiology, delivering evidence-based recommendations, creating new opportunities, and being a catalyst for change. Some of his areas of expertise are infectious diseases, non-communicable diseases (NCD), and global health. Dr. Al-Nsour serves on several regional and global initiatives, association and networks as he is a member of the Steering Committee for the Global Outbreak Alert and Response Network (GOARN), Training Programs in Epidemiology and Public Health Interventions Network (TEPHINET), International Epidemiological Association, and more. He is currently leading the establishment of the Public Health Forum and the NCD Alliance in Jordan.

Dr Tasnim Atatrah

Health Emergency Coordinator for Central Asia, WHO



Biography

Has been awarded Doctor in Medicine degree, Master of Public Health and Epidemiology, diploma in Project Management, High diploma in Management of Humanitarian Health and Nutrition Programs and Policy Fellow with Cambridge University. Certified in Human Rights, Gender and Disability mainstreaming, Refugee and Migration law, Global Governance, Sustainable development and Surge response. Has 20 years' work experience. Works for the World Health Organization since 2010. Leading interventions; to advance universal health coverage, reinforce health system, promote wellbeing, strengthen country's emergency preparedness, readiness, response and recovery, provide technical support to partner ministries and NGOs, leading the design and implementation of the capacity building activities, managing programs, oversee research and assessment, and managing information system. Led the emergency response operation and public health humanitarian response for Gaza, Syria, Libya and Central Asia. Mobilized resources and led interventions to promote health wellbeing in refugee camps in Palestine, Jordan and Lebanon. Oversee the development of National Health Strategies in line with SDG 2030 in Turkey, Kyrgyzstan and Tajikistan. Lead WHE program in Central Asia and served as acting WHO representative in Kyrgyzstan and Tajikistan. Prior joining WHO, worked with USAID supporting Palestinian Health Sector Reform and Development. Led the Monitoring and Evaluation (M&E) team and managed the M&E budget and systems. Worked for UNICEF as Communication Specialist, to design a national communication and social mobilization plan in cooperation with local authority, and UN agencies. Worked as Monitoring and Evaluation Advisor for an NGO funded by the World Bank and as Senior Health Specialist for a USAID focusing on improving Mothers and Children access to quality services. Worked for local NGOs as Capacity Building Advisor and Rehabilitation & Development Specialist. Worked as a medical clinician at primary health and emergency clinics in remote areas in Palestine.

Dr Abdul Ghaffar

Executive Director, Alliance for Health Policy and Systems Research



Biography

Dr. Abdul Ghaffar serves as Executive Director of the Alliance for Health Policy and Systems Research. A physician by training with a PhD in International Health from Johns Hopkins University, Dr. Ghaffar has worked in and for low and middle income countries over the past 35 years, designing and evaluating national health systems, collaborating with policymakers, and training future generation of health systems leaders. He started his career as a public health physician in Pakistan, before moving into several leadership positions, including Assistant Director-General of Policy and Planning, and Dean of the Health Services Academy, a national school of public health. He later served as Regional Advisor for Research in the Eastern Mediterranean office of the WHO. His intellectual contributions through more than 100 influential papers, seminal global reports, and strategies continue to advance the agenda of more local knowledge for stronger health systems.

Dr Mouna Jameleddine

Head of Health Technology Assessment, INEAS (Tunisian Authority of Assessment and Accreditation in Healthcare), Tunisia



Biography

Mouna Jameleddine is the Director of the HTA department at the Tunisian National Authority for Assessment and Accreditation in Healthcare (INEAS), a scientific authority that informs decision making at a central level. Her current work focuses on the assessment of innovative technologies and its policy impact.

Holder of a doctorate in pharmacy, Ms. Jameleddine followed a Master of Science Program in «Drug development» at the Faculty of Pharmacy of Monastir. She graduated in «Pharmacoeconomics of drugs and medical devices» at the Paris Descartes University, where she also obtained EMAUD (the European Market Access University Diploma).

With more than 10 years of professional experience in public health, Dr. Jameleddine started her career as a hospital pharmacist and joined INEAS in 2014. During that year, she also worked at the Minister of Health's cabinet where she collaborated on defining pharmaceuticals' policies, besides carrying out studies for national projects. Dr Jameleddine acts as reviewer of manuscripts and publishes frequently in scientific journals. She has presented her research work in an array of national and international conferences like HTAi and ISPOR. She is the current chair of the ISPOR HTA roundtable for MEA region and member of ISPOR HTA council. She collaborates as an expert in a number of WHO technical advisory groups including HTA and benefit packages, cost effectiveness data across setting, Pricing policies working group and has facilitated capacity building activities in many MENA countries. She also serves as an INAHTA board member since 2018 and as the co-chair of GINAHTA steering committee (a collaborative working group of INAHTA and GIN).

Professor Salman Rawaf

Director of the WHO Collaborating Centre for Public Health Education and Training; Imperial College London, UK



Biography

Professor Rawaf is the chair of Public Health, Director of WHO Collaborating Centre in the Department of Primary Care and Public Health at Imperial College London and Honorary Consultant Physician in the NHS. He acquired his qualification in medicine, with training in paediatrics and public health, and spent the breadth of his career in leading roles in the NHS; including 26 years as an Executive Director: County Medical Adviser, Medical Director, District Medical Officer and Director of Public Health. In the latter 23 years of his service in the NHS, he served as the Director of Health in South-West London with full responsibility for the health service in and outside the NHS, from which he then moved to Imperial College London. Professor Rawaf is a globally recognised for his international work and contribution to global public health, health systems development, primary care and medical education in research and service delivery.

He is an adviser to the World Health Organisation on primary care, public health, health systems, medical education and training, human resource for health and Covid-19; a Fellow of the Royal Colleges of Physicians London and the UK Faculty of Public Health; and a Member of the Faculty of Public Health Medicine Ireland. He is also involved in many national and international advisory works including; Executive Member of the International Committee of the UK Academy of the Royal Medical Colleges, a Member of WHO Advisory Committee for Health research, Foundation Trust Councilor for Chelsea and Westminster, and Programme Leader of the Postgraduate Diploma/MSc in Family Medicine Middlesex University, and MPH at Imperial College London. He is an Honorary Professor at Ghent University-Belgium, Middlesex University-London and King Saud University-Riyadh.

He research interests are in health systems organisation and management, primary care organisation, public health, Diabetes and other NCD, Covid-19, patient safety, training and medical education, and translation of research findings.

He is a member of a number editorial boards and published more than 245 scientific papers, five books and many international reports and received many awards and recognitions including in 2015 a Life Achievement Award for innovative works in shaping health services, research and medical education.

On Covid-19, he is Member of WHO Technical Advisory Committee; Member of Scientific Advisory Group on Covid-19 Department of Health UAE; Imperial College Covid-19 Group: and Supreme Advisory Group on Covid-19 Iraq; published 4 papers so far on the subject and runs weekly Webinars.

Professor Richard Sullivan

Director, Institute for Cancer Policy; Co-director, Conflict and Health Research Group, Kings College London, UK



Biography

Richard Sullivan is Professor of Cancer and Global Health at King's College London, and Director of the King's Institute of Cancer Policy and co-Director of the Conflict and Health Research Group (kcl.ac.uk/research/conflict-health-research-group). His research interests extend from global cancer to conflict & health. Richard has worked on a number of Lancet and Lancet Oncology commissions, currently the Lancet Commission on Global Diagnostics (diagnosticscommission.org) and the Lancet Oncology European Cancer Research Commission. Richard's research teams have major programs in capacity building in conflict and health, and humanitarian medicine, particularly in the Middle East and North Africa (r4hc-mena.org), as well as programmes in women's health and cancer, digital innovation (virtual-reality enhanced surgery) and a wide range of global health security projects including on the COVID-19 pandemic and strengthening health systems in NW and NE Syria. His global cancer research programs cover cancer systems strengthening, affordability, value particularly and political economy, global radiotherapy, social welfare and cancer care in conflict. Professor Sullivan qualified in medicine and trained in surgery (urology) gaining his PhD in Biochemistry from University College London. Richard was Clinical Director of Cancer Research UK between 1999 and 2008. He has also worked for many years on biosecurity and counterproliferation issues, including Ebola outbreaks in West Africa and DR Congo. Richard is an NCD advisor to the WHO, a member of the National Cancer Grid of India and advisor (civil-military) to Save the Children.

Participants - Models of Care group



Chair: Dr Elsheikh Elsiddig Badr Policy Development Expert, National Qualifications Authority, UAE



Secretariat: Elizabeth Bohm Head of International Policy, Academy of Medical Sciences, UK



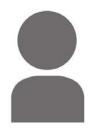
Secretariat: Jane Ellis International Policy Officer, Academy of Medical Sciences, UK



Facilitator: Kate Clare Vivari Communications, UK

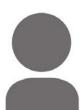


Dr Aula Abbara Honorary Senior Clinical Lecturer in Infectious Diseases, Imperial College London, UK

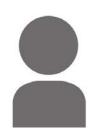


Abbas Mohammed Al-Bloushi Director of Nursing, Ministry of Health and Prevention, UAF

Dr Sumaya Mohammed



Dr Radouane BeloualiDirector, International
School of Public Health,
Casablanca, Morocco



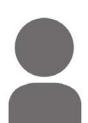
Dr Abdulkarim Ekzayez Research Associate, Kings College London, UK



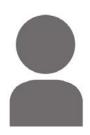
Dr Wael Ahmed Fakihammed Director of Directorate General of Health Services, National Health Insurance Fund, Sudan



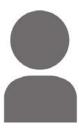
Dr Fouad M Fouad Assistant Research Professor, Faculty of Health Sciences, American University of Beirut, Lebanon



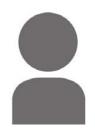
Professor Dr Randah Ribhi Hamadeh Professor, Department of Family and Community Medicine, Arabian Gulf University, Bahrain



Professor Jaafar Heikel Director, Laboratory of Health Economics, Mohammed VI University of Health Sciences, Morocco



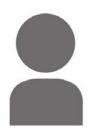
Dr Samah Jabr Head of Mental Health Unit, Ministry of Health, Palestine



Professor Tawfik Khoja Director General, Executive Board of Health Ministers' Council for Cooperation Council States, Saudi Arabia



Professor Dr M Tezer Kutluk Chair, Department of Pediatrics, Hacettepe University, Turkey



Professor Rowaida Al-Maaitah Prof. of Public Health, Jordan University of Science and Technology, Jordam

Participants - Models of Care group



Dr Awad Mataria
Director of Universal Health
Coverage, WHO-EMRO,
Palestine



Dr Talal Elfadil Mahdi Medicine Program Coordinator, Nahda College, Sudan



Dr Hela Ben MesmiaPresident, Management of
Societal Dialogue for Health,
Ministry of Health, Tunisia



Professor Salman Rawaf Director, WHO Collaborating Centre for Public Health Education and Training, Imperial College London, UK UK



Robert Yates Director, Global Health Programme, Chatham House, UK



Dr Bothaina Attal
Fellow researcher, Centre for
Business Research, Cambridge
Judge Business School, UK;
Associate professor of Public
Health, Sana'a Medical School,
Yemen

Participants - Measurement and Performance group



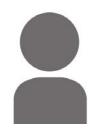
Chair: Dr Mondher Letaeif Regional Adviser on Quality and Patient Safety, WHO-EMRO



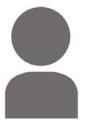
Secretariat: Alex Hulme International Policy Manager, Academy of Medical Sciences, UK



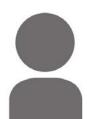
Facilitator: Rachel Kelly Vivari Communications, UK



Dr Isameldin AbdallaFormer Undersecretary,
Federal Ministry of Health,
Sudan



Dr Gladys Honein-AbouHaidar Assistant Professor, American University of Beirut, Lebanon



Dr Nassim El Achi Post-Doctoral Researcher, Global Health Institute, American University of Beirut, Lebanon



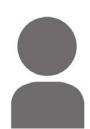
Dr Mohamad Alameddine College of Medicine, Mohammed Bin Rashid University, UAE



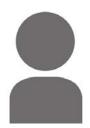
Dr Mohannad Al Nsour Executive Director, Global Health Development, EMPHNET



Dr Dhekra Amin Annuzaili Specialist Paediatrician & Senior Public Health Adviser/ MOH, Yemen [former World Bank, UNICEF and Imperial College London staff]



Dr I brahim AqelDirector, Institute for Family
Health, King Hussein
Foundation, Jordan



Dr Bouchra Assarag Researcher, National School of Public Health, Morocco



Dr Sameera AwawdaAssistant Professor, Birzeit
University, Palestine



Dr Nazar Abdelrahim Mohamed Elfaki Adviser, Policies & Health Systems, Ministry of Health, Sultanate of Oman



Dr Nagwa Nashat Hegazy Assistant Professor of Family Medicine, Menoufia University, Egypt



Dr Mohammed Jawad School of Public Health, Imperial College London, UK



Dr Ghassan Karem Director, Primary Health Care Institute, Libya

Participants - Measurement and Performance group



Dr Wesam Mansour Post-Doctoral Research Associate, Department of International Public Health, Liverpool School of Tropical Medicine, UK



Dr Adrianna Murphy
Assistant Professor of Health
Services Research and
Policy, London School of
Hygiene and Tropical
Medicine, UK



Dr Shible Sahbani Regional Reproductive Health Advisor, UNFPA Arab States Regional Office (United Nations Population Fund)



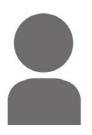
Dr Karima Saleh Senior Economist (Health), World Bank



Dr Alaa Sayed Consultant, Quality and Patient Safety , Department of Universal Health Coverage, Health Systems World Health Organization - EMRO



Dr Rashad G Sheikh Public Health Expert, Yemen



Professor Hala Mohamed Ali Youssef Professor of Public Health, Kasr Eleiny Medical School; Former Minister of State for Population, Egypt



Wafa Ahmed Mataria American University of Cairo,Egypt

Participants - Knowledge Translation group



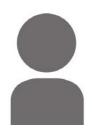
Chair: Professor Dr Lubna Al-Ansary Professor of Family Medicine, King Saud University, Saudi Arabia



Secretariat: Fern Brookes International Policy Officer, Academy of Medical Sciences, UK



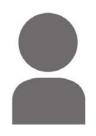
Facilitator: Hayley Kane Vivari Communications, UK



Dr Abdalla Osman Seid Ahmed Former Director, National Public Health Institute, Sudan



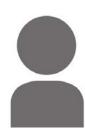
Dr Deena AlasfourPublic Health Expert, Ministry
of Health, Sulnate of Oman



Dr Mohammed Alkhaldi McGill University, Canada



Dr Tasnim Atatrah Coordinator for Central Asia Hub, WHO



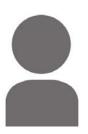
Professor Nafisa M Bedri Professor in Reproductive and Women's Health, Afhad University for Women, Sudan



Professor Kalipso Chalkidou Director of Global Health Policy, Center for Global Development, Imperial College London, UK



Dr Adam Coutts
Research Associate and
Senior Research Fellow,
Department of Sociology,
University of Cambridge, UK



Professor Dr Mohamed Awad Tag Eldin Advisor for Health to the President, Egypt



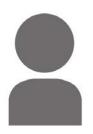
Dr Adrian Gheorghe Senior Health Economist, Global Health and Development, Imperial College London, UK



Dr Mouna Jameleddine Head of Health Technology Assessment, INEAS, Tunisia



Professor Fadi El-Jardali Professor of Health Policy and Systems, American University of Beirut, Lebanon



Professor Dr Ibrahim Hassan Abu El-Khair Assistant Professor, Department of Library and Information Science, El-Minia University, Egypt

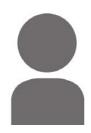


Professor Ahmed Mandil Coordinator of Research & Innovation, Science Information & Dissemination, WHO-EMRO

Participants - Knowledge Translation group



Dr Aisha Nasef Authority of Natural Science and Technology and Research, Medical Speciality Council, Libya



Dr Reida El Oakley Minister of Health, Libya



Farha Hisham Ragheb
Specialist Nurse Informatics,
Ministry of Health and
Prevention, UAE



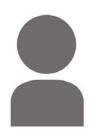
Dr Sherine Shawky Senior Research Scientist, Social Research Center, American University in Cairo, Egypt



Professor Richard Sullivan Co-Director, Conflict & Health Research Group, Kings College London, UK



Sergio TorresRueda
Department of Global Health
and Development, London
School of Hygiene and
Tropical Medicine, UK



Dr Nasser Yassin
Associate Professor of Policy
and Planning, Health
Management and Policy
Department, American
University of Beirut, Lebanon



Dr Mahmoud A. Mahmoud Associate Professor, College of Medicine, Imam Mohammad Ibn Saud Islamic University (IMSIU), Riyadh, Saudi Arabia



Academy of Medical Sciences 41 Portland Place London W1B 1QH



+44 (0)20 3141 3200 info@acmedsci.ac.uk www.acmedsci.ac.uk



أكاديمية البحث العلمي والتكنولوجيا ACADEMY OF SCIENTIFIC RESEARCH AND TECHNOLOGY

Academy of Scientific Research and Technology 101 Kasr Al-Aini St Academy Of Scientific Research & Technology Cairo 11516

(+202)27921285 – 27921286 <u>asrt@asrt.sci.eg</u> <u>http://www.asrt.sci.eg/index.php</u>